

Introduction

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Welcome to the Northern Netherlands, a three star Reference Site of the European Innovation Partnership of Active and Healthy Ageing (EIP-AHA). Welcome to the city of Groningen. And welcome to the conference that will hopefully revitalize the once fertile coalition between urban planning, architecture and public health, leading to new and powerful concepts for healthy cities, Man-Made Blue Zones, smart and healthy houses, clean water, new concepts for preventive medicine in urban planning and state of the art future hospitals and health-care institutions.

Building the Future of Health has its origins in a vast series of projects which all had a connection to the the city of Groningen and the University Medical Center Groningen: our main venue for the duration of the conference. All projects shared a great interest in the topic of health, architecture and urbanism. Amongst these were the influential international conference The Architecture of Hospitals in 2005, the Future OR and IC workshops and the Dutch spoken Ruimte voor Gezondheid congress in 2012.

But there is more. As a reference site the Healthy Ageing Network Northern Netherlands (HANNN) is aiming to share knowledge and expertise to allow cross-border innovation. Collaboration takes place in various ways, such as exchanging best practices, providing test beds and organize matchmaking and exchange knowledge between researchers and entrepreneurs. For HANNN, Building the Future of Health is a platform to explore a new and challenging field of expertise: the relevance of architecture, design, urban planning, and landscape architecture for our Healthy Ageing ambitions.

Due to the conviction that the best solutions come about by exchanging knowledge and skills, the BTFOH conference is of a highly interdisciplinary nature. For three days, it offers an inspiring environment in which architects, urban planners, landscape architects, medical researchers, environmental planners, policymakers, administrators, doctors, sociologists, (local) politicians and authorities, demographers and representatives from various other disciplines in the field of public health can meet.

Therefore, this conference is not merely about presenting interesting lectures and delivering thoughtful insights. We want to lay the foundations for new and inspiring alliances and projects in Groningen, the Netherlands, Europe and other cities and regions worldwide. Let's connect science and design, get it all into vision and action!

We wish you all a wonderful Building the Future of Health conference.

Frans C.A. Jaspers, MSc, MD
Initiator | Chair BTFOH programme committee

Daan Bultje, MA
director of Healthy Ageing Network Northern Netherlands | Member BTFOH programme committee

Peter Michiel Schaap, MA
Initiator | Project Manager | Member BTFOH programme committee

INTRODUCTION VOLKERWESSELS

Most people know us as builders. And they are not mistaken; building is a big part of the VolkerWessels activities. Innovation plays a growing part in this role. Sustainability, climate neutral homes: this is the new standard, we are sure of it. But VolkerWessels is much more than just a builder. Over 120 branches are working under the banner of VolkerWessels. Together we can build a city: from infrastructure to green, from hospitals to railways, from houses to offices and much more.

When thinking about the future of the living environment, we always consider the practical side. In fact, it's our job every day of the week. Our definition of sustainability includes quality of life: health and well being. This is more than just a question of stacking bricks. We are aiming to contribute to a built environment in which residents and users alike become happier and healthier without doing injustice to the next generation. We aim to build a better world for present AND future generations.

This is precisely the reason we identify with Building the Future of Health. We recognize the ambitions. It fills us with enthusiasm. That is why we are pleased to be alongside designers, researchers, administrators and policy makers, making a substantial contribution from the building and real estate industry perspective.

In the meantime, we have noticed that the market has largely adopted a wait and see attitude. Clients and governments remain cautious. Therefore they do not profit from the available possibilities as much as they could. In cooperation with science and supported by good policy, we are certain that we can make large strides forward. Health and building health in particular can be an amazing export product. The ambition of the Man Made Blue Zone offers a wonderful perspective in this regard.

The health tasks we face are challenging. How do we facilitate independent living? How do we provide for clean air, more green and clean water? How do we make our living environment smart and healthy? What will our future hospitals look like? And how do we ensure these interventions consider the environment and the available resources? We have many ideas on these topics and are open to your suggestions. We are looking forward to speaking to many of you during Building the Future of Health, during our sessions and in between breaks.

We are building the living environment of the future, but we can't do it on our own. Let us exchange our knowledge and experience and work together towards the healthy living environment of the future!

Practical information

PRACTICAL

PRACTICAL

PRACTICAL



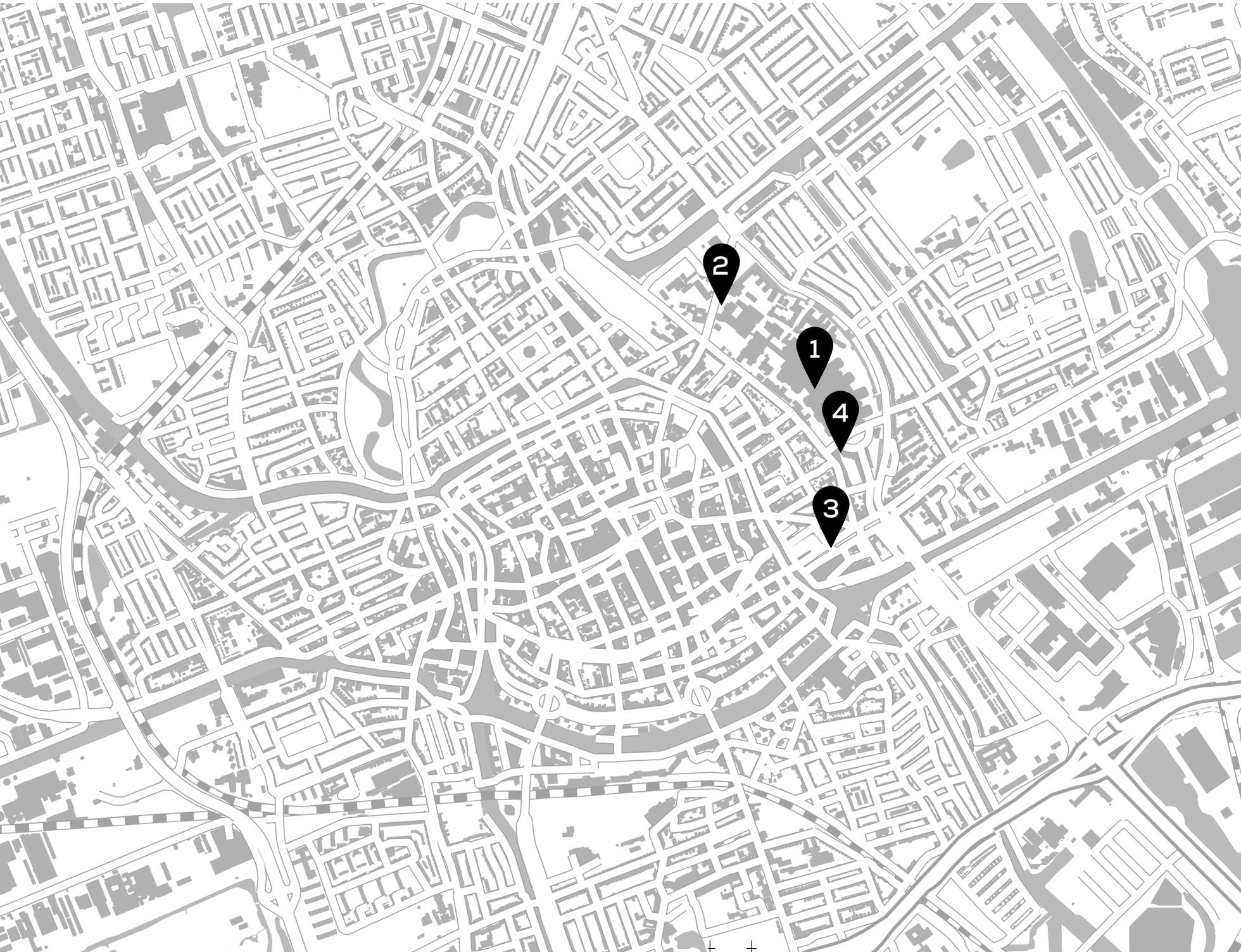
CITY MAP OF GRONINGEN

1 UMCG
Hanzeplein 1
9713 GZ Groningen

2 ERIBA
Antonius Deusinglaan 1
Building 3226
9713 AV Groningen

3 NIJESTEE
Damsterplein 1
9711 SX Groningen

4 HOTEL NH GRONINGEN
Hanzeplein 132
9713 GW Groningen



MAIN VENUE

UMCG

Hanzeplein 1
9713 GZ Groningen

University Medical Center Groningen (UMCG) is easy to reach by both public transport and by car and has ample parking facilities on and outside its site. The location is situated minutes from Groningen's city centre and is close to the train station.

SUB VENUES

ERIBA

Antonius Deusinglaan 1
Building 3226
9713 AV Groningen

NIJESTEE

Damsterplein 1
9711 SX Groningen

HOTEL NH GRONINGEN

Hanzeplein 132
9713 GW Groningen

OPEN AIR

See page 16 for information on the Building the Future of Health Open Air programme and locations.

PARKING

Parking garage Boterdiep is within walking distance from the UMCG.

Please take into account:

- The address for navigation systems:
Boterdiep 85, 9712 LL, Groningen
- Parking facilities are open daily from 7 AM to 11 PM.
- The fee for parking is € 10.00 per 24 hours.
- Maximum height clearance: 2,00 metres.

GRONINGEN

As a lively university city, on average, Groningen has the youngest population in the Netherlands. It has a long and turbulent history, visible in the appearance of historic warehouses, courts and buildings. Groningen is also a city 'with nerve', with numerous examples of innovative architecture. In addition, it was once proclaimed the city with the best city-centre in the Netherlands. Experience it all and explore Groningen for yourself!

REGISTRATION

Registration is open daily for conference visitors and speakers.

LOCATION:

UMCG, Fonteimpatio

Wednesday June 1
from 9.00 AM to 6.00 PM

Thursday June 2
from 8.30 AM to 5.30 PM

Friday June 3
from 8.30 AM to 5.30 PM

LUNCH

In case you bought (a) lunch ticket(s): lunch is provided in the Fonteimpatio. We kindly ask you to show your daily lunch ticket to the location manager. Please note: during the conference, it is no longer possible to register for lunch.

Wednesday June 1
11.30 AM – 12.15 PM

Thursday June 2
12 AM – 1 PM

Friday June 3
12 AM – 1 PM

DINNER

Registration for congress/special dinners was open until 23 May. Please check our website for several excellent restaurant recommendations.

WEDNESDAY JUNE 1

JUNE 1	SPECIAL DINNER PILOERSEMABORG
TIME	7.00 – 10.00 PM
LOCATION	SIETSE VELDSTRAWEG 25 9833 TA DEN HAM

Note: E-bikes are provided for travelling to the restaurant and can be picked up at TrendEwheels (100 metres from UMCG), address: Schuitendiep 2, 9711 RC Groningen.

JUNE 1	SPECIAL DINNER VOILÁ
TIME	7.00 – 10.00 PM
LOCATION	W.A. SCHOLTENSTRAAT 39 9711 XB GRONINGEN

Note: the restaurant is within walking distance from the UMCG.

JUNE 1	SPECIAL DINNER BRUSSELS LOF
TIME	7.00 – 10.00 PM
LOCATION	AKERKSTRAAT 24 9712 BG GRONINGEN

Note: the restaurant is within walking distance from the UMCG.

JUNE 1	SPECIAL CINEMADINNER: THE SWEDISH THEORY OF LOVE
TIME	6.30 – 10.00 PM
LOCATION	HEREPLEIN 73, 9711 GD GRONINGEN

Note: the cinema is a 10 minute walk from the UMCG.

THURSDAY JUNE 2

JUNE 2	CONGRESS DINNER
TIME	7.30 – 11.00 PM
LOCATION	VOORMALIGE SUIKERUNIE ENERGIEWEG 10, 9743 AN GRONINGEN

Note: three shuttle buses travel from the UMCG (main entrance, Hanzeplein 1) to the location from 6.45 to 7.15 PM.

FRIDAY JUNE 3

JUNE 3	SPECIAL DINNER PILOERSEMABORG
TIME	7.00 – 10 PM
LOCATION	SIETSE VELDSTRAWEG 25 9833 TA DEN HAM

Note: E-bikes are provided for travelling to the restaurant and can be picked up at TrendEwheels (100 metres from UMCG), address: Schuitendiep 2, 9711 RC Groningen.

JUNE 3	SPECIAL DINNER VOILÁ
TIME	7.00 – 10.00 PM
LOCATION	W.A. SCHOLTENSTRAAT 39 9711 XB GRONINGEN

Note: the restaurant is within walking distance from the UMCG.

JUNE 3	SPECIAL DINNER BRUSSELS LOF
TIME	7.00 – 10.00 PM
LOCATION	AKERKSTRAAT 24 9712 BG GRONINGEN

Note: the restaurant is within walking distance from the UMCG.

JUNE 3	SPECIAL CINEMADINNER: THE CITY DARK
TIME	6.30 – 10.00 PM
LOCATION	HEREPLEIN 73, 9711 GD GRONINGEN

Note: the cinema is a ten-minute walk from the UMCG.

PLEASE CHECK OUR WEBSITE BTFOH.EU
FOR THE MOST RECENT SIDE EVENTS

Side Events

SIDE EVENTS

SIDE EVENTS

SIDE EVENTS

OPEN AIR



<u>MAY 31 – JUNE 4</u>	<u>OPEN AIR</u>
<u>TIME</u>	<u>09.30 – 00.00 PM</u>
<u>LOCATION</u>	<u>GROTE MARKT</u>
	<u>MARTINIKERKHOF</u>
	<u>INFOVERSUM-AREA</u>
	<u>PIOENPARK</u>

How can we make more room for sports and exercise activities in Groningen? And how can we make use of the qualities already available in the city? During the conference, at different locations close to the city-centre, there are open-air showcases demonstrating how we can use the city in order to achieve this. During the conference, it is possible to swim and play beach volleyball a few hundred metres from the conference site. Or you can play chess and badminton among trees that have survived the second world war, at only 100 metres from the Grote Markt. Or eat fresh food grown in the city itself. Find out what the built environment of Groningen has to offer. The special app guiding you through the city will show you how the environment affects your health.

END OF SITTING



<u>JUNE 1 – JUNE 3</u>	
<u>LOCATION</u>	<u>FONTEINPATIO UMCG</u>

The End of Sitting is an installation at the crossroads of visual art, architecture, philosophy and empirical science. In our society almost the entirety of our surroundings have been designed for sitting, while evidence from medical research suggests that too much sitting has adverse health effects. RAAAF [Rietveld Architecture-Art Affordances] and visual artist Barbara Visser have developed a concept wherein the chair and desk are no longer unquestionable starting points. Instead, the installation's various affordances solicit visitors to explore different standing positions in an experimental work landscape. The End of Sitting marks the beginning of an experimental trial phase, exploring the possibilities of radical change for the working environment. This project is a spatial follow-up of the recently released mute animation 'Sitting Kills' by RAAAF | Barbara Visser, developed for the Chief Government Architect of the Netherlands.

Tracks

TRACKS

TRACKS

Can the built environment help us stay healthy for longer? Can it inspire us to exercise more? How can we provide for clean water and air? What will our future hospitals look like? Does linking healthy lifestyle and good nutrition to well-designed cities offer a possible cure for Western diseases like obesity and diabetes? And moreover: how can architects and urban planners play a vital role in solving these issues? These questions – and many more – will take centre stage at the international conference Building the Future of Health.

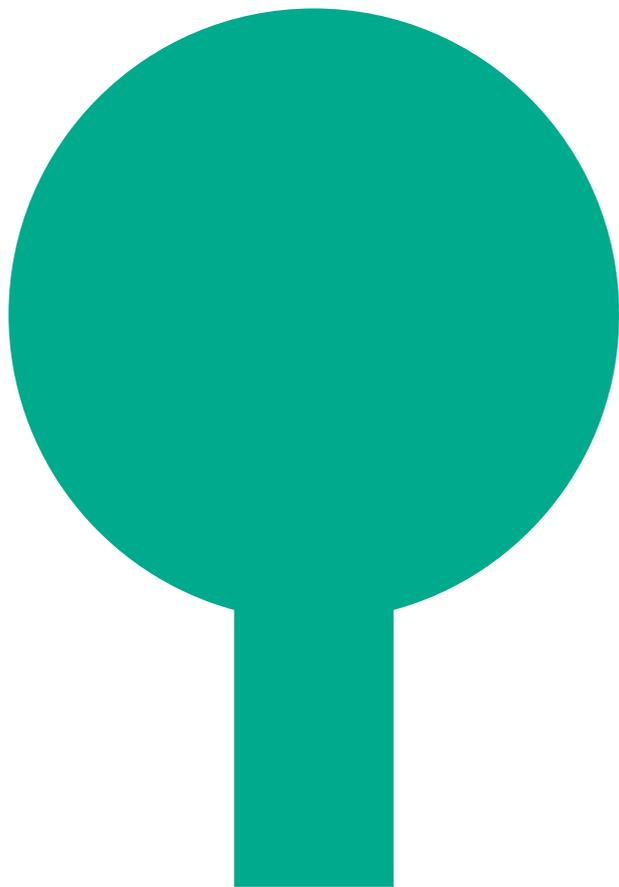
Building the Future of Health marks a fundamental change in how we think about our built environment, public health and our healthcare system. It aims to revitalize the once fertile coalition between urban planning, architecture and public health. In doing so, it underlines the great importance of healthy, well-designed cities in an ageing world.

The conference distinguishes three tracks in which various relevant aspects are up for discussion: Healthy Cities and the Built Environment, Ageing in Place and The Architecture of Hospitals. In addition, a fourth track is presented in which the wider context of Healthy Ageing is explored.

Due to the conviction that the best solutions come about by exchanging knowledge and skills, the conference is of a highly interdisciplinary nature. For three days, it offers an inspiring environment in which architects, urban planners, landscape architects, medical researchers, environmental planners, policymakers, administrators, doctors, sociologists, (local) politicians and authorities, demographers and representatives from various other disciplines in the field of public health can meet.

TRACK

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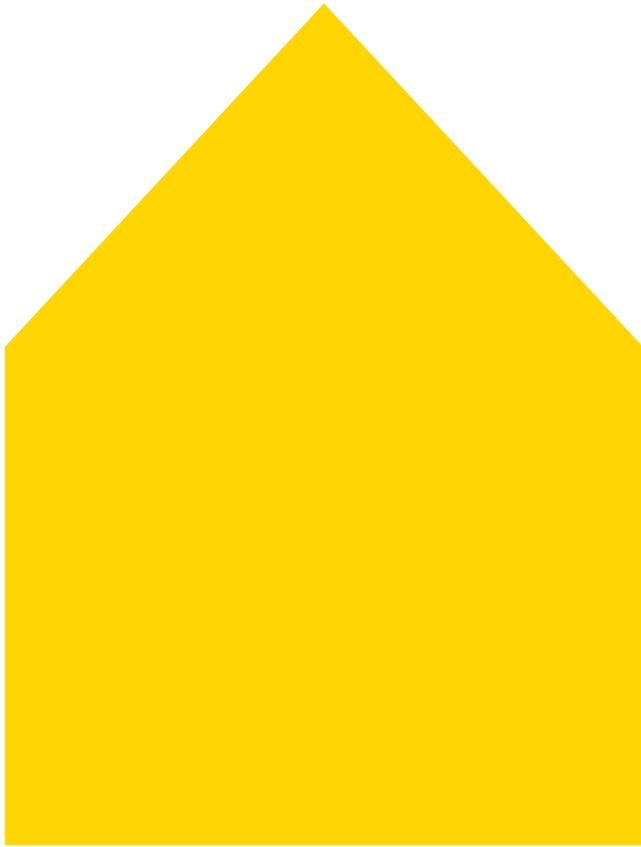
HEALTHY CITIES AND THE BUILT ENVIRONMENT

Track 1 focusses on the everyday living and working conditions of our cities, neighbourhoods, villages and landscape. It considers the way in which (the quality and design of) our surroundings can contribute to our health. How do we make our cities and villages healthy? And what role do nature and landscape play? In Track 1, various sub-themes come up for discussion, including air quality and urban climate, the way in which urban architectural design can promote (or obstruct) healthy lifestyles, the (industrial) production of food, the development of monocultures, the consequences of using fossil fuels, etc.

In addition, Track 1 considers historic and current examples of Healthy Cities, sheds light on the medical roots of urban development and shows spatial experiments and design studies for cities, neighbourhoods, villages and countryside as they are conceived of in the EU, for instance. These range from stimulating exercise and making the urban environment greener for the benefit of (mental) health and the urban climate to introducing spatial measures for traffic, pedestrians and cyclists. Other concerns that will be addressed are the measurability and effects of spatial interventions on public health, and the way in which the theme of the Healthy City can/must be an integral part of well-thought-out spatial planning policy on a local, regional and national scale. Finally, Track 1 draws a link between the themes of the Healthy City and the Smart City. How can a clever use of data and IT not only make our environment more sustainable, safe and efficient, but also more healthy?

TRACK

2



AGEING PLACE

The relationship between housing and healthcare is being redefined. This has partially been prompted by social developments where a new generation of older people is no longer interested in traditional housing for the elderly. On the other hand, a change in outlook has taken place. Those in need of care – young and old – living in an institution are now seen as full members of society. This means they must make use of facilities that everyone else uses too. And when healthcare is necessary, it takes place within the neighbourhood: preferably at home and as a full member of society. Finally, money is an essential factor. Responsibility for one's own affairs, neighbourliness, a more participatory society and extramural healthcare are concepts carry an undertone of crisis and austerity. Within this context Track 2 calls for attention to the caring side of healthcare. With a focus on the Dutch and European situations, it uses national and international examples to show which possibilities are being introduced by technological advancements. Track 2 also questions what the promise of smart homes means for design. Is it enough to implement home automation in certain situations, create single-level homes without thresholds, or houses that are easily equipped with stairlifts? Or is this thinking outdated? Does the new relationship between housing and healthcare create new design concepts: from multi-generational homes to so-called 'lifeproof' housing? And how do we deal with all that outdated healthcare real estate in the meantime: nursing homes, (old) institutions for mental healthcare and former locations for specialized care? What role do public housing associations and private investors play? Does it open up new possibilities for keeping properties cost-effective in the long term? Can promising new coalitions be made with insurance companies and healthcare providers? What does a small-scale healthcare scene look like? Which initiatives are presenting themselves and in what way do they close the gap, developing as a result of the institutional separation of housing and healthcare? Is there a risk of certain groups being left behind? And that concept of a participatory society... is that really such a good idea?

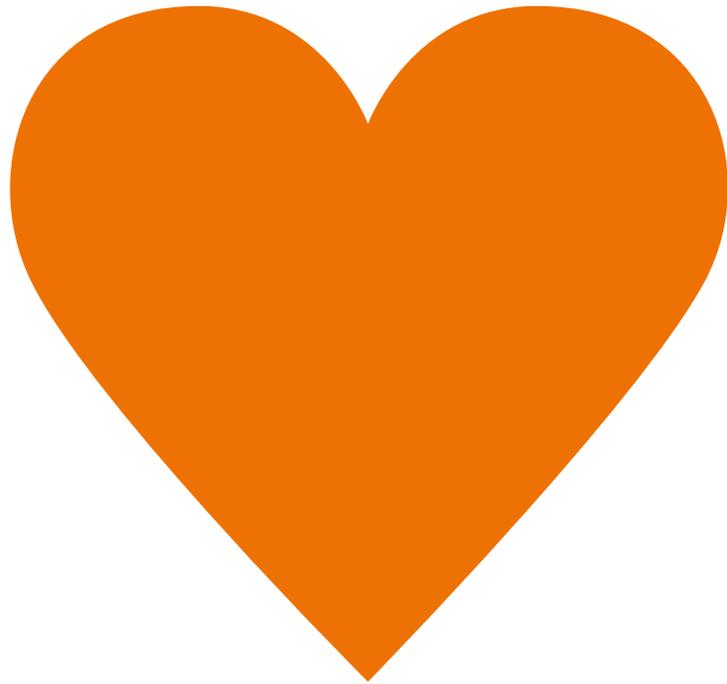


THE ARCHITECTURE OF HOSPITALS

The architecture of hospitals is determined by developments in demand, continuous progress in medical science and technology, new insights in the field of interdisciplinary and multidisciplinary collaboration between medical specialities, the development of the digital hospital, the advancement of new (digital) methods of communication between patients and healthcare providers and changes in funding, prompted in part by the wish to economize on the public part of healthcare. One of the most important developments is the greater significance that is ascribed to patients' personal, subjective experiences, a trend that has been discernible for years and manifests itself in architecture through the phenomenon of Evidence Based Design, for example. Partly because of this shift from regulation through supply to demand and to new digital media, this leads to the thought that patients, as end users, should be given much more control than they have now over the medical processes they are subjected to. In light of this, Track 3 presents the latest developments in various hospital departments (operating room, radiology), the development of new specialized typologies and the possibilities offered by the digitalization of healthcare for the creation of the network hospital. In addition it considers themes such as decentralization and flexibility. What future do large and medium-sized hospitals face, and what about the 'little' ones? How is the concept of the network hospital coming along? Is the future of curative healthcare characterized by small-scale medical clinics and a number of large teaching and/or highly specialized hospitals? What about the integration of hospitals with the surrounding (urban) landscape? What do hospitals look like that operate much more from a patient's perspective, and where prevention is starting to play a more and more important role? And can the hospital itself become more healthy, and challenge patients to engage in healthy behaviour through clever interior design and a different organization of healthcare?

TRACK

4



Healthy Ageing amounts to much more than a simple equation of spatial themes. In fact, until recently, our surroundings were of little importance to those who concerned themselves with ‘growing older healthily’, and there was no question of design being assigned a prominent role. Therefore, in Track 4, we consider all those other essential aspects of a healthy life and of growing older healthily. This means attention for the wider perspective and related developments and fields of study: from ageing populations/demography, socio-economic aspects and the perception of health, to good nutrition and exercise, medical technology and projects such as lifelines and health literacy. In addition, Track 4 considers technological developments and the increasing use of ‘common-or-garden diagnoses’: from health apps to digital personal trainers. Track 4 also focuses on the affordability of healthcare, the relationship between lifestyle and common afflictions of old age, the imbalance between the costs of prevention (on average 3%) and medical care (97%) and the receding support for the collective nature of our healthcare system. This creates an extensive picture of Healthy Ageing: a list of ingredients that does not claim to be comprehensive, but is inspiring and stimulating and challenges congress guests to look (far) beyond their own disciplines.

HEALTHY AGEING

PLEASE CHECK OUR WEBSITE BTFOH.EU
FOR THE MOST RECENT PROGRAMME

Programme overview

THURSDAY
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Recent Dutch Hospital Architecture Pt. 1

Hospital Typology



<u>JUNE 1</u>	<u>10:00 – 11:30</u>
<u>LANGUAGE</u>	<u>EN</u>
<u>LOCATION</u>	<u>UMCG</u>
<u>ROOM</u>	<u>BLAUWE ZAAL</u>

Speakers: Alp Buitelaar (MST), Frank Burger (a/d Amstel Architects), Harry Abels (IAA Architects), Henny van Laarhoven (Orbis Medical Center), Liesbeth van Heel (Erasmus MC), Maurits Algra (De Jong Gortemaker Algra), Willemineke Hammer (EGM), Milee Herweijer (chair)

Dutch Healthcare Architecture has received wide interest throughout the world. Innovative concepts such as the 'core hospital', the 'layers model' and Evidence-Based Design have left their mark on a variety of projects. In these sessions we will showcase the best practices of Dutch Hospital Design in the last decade. What makes these buildings special? How did the decision-making process define their architectural features? In this session: Orbis Medisch Centrum Sittard, Bernhoven Uden, Isala Zwolle, Medisch Spectrum Twente Enschede, Erasmus MC Rotterdam.

Securing Health and Well-being in Shrinking Areas

Hanze University/NoorderRuimte Symposium Pt. 1



<u>JUNE 1</u>	<u>10:00 – 11:30</u>
<u>LANGUAGE</u>	<u>EN</u>
<u>LOCATION</u>	<u>UMCG</u>
<u>ROOM</u>	<u>RODE ZAAL</u>

Speakers: Wilma Wolf, Emma Zijlstra (Hanze University), Tonnie Roggeveld (General Practice Van Lune Loppersum), Anouk Vermeulen (AG Architects), Elles Bulder (chair)

How do we secure well-being in regions of demographic decline and shrinking cities? How do you keep your services up-to-date in those areas and how do you prepare the built environment for the future? NoorderRuimte illustrates the (design) task laying ahead and sketches possible solutions. Focussing on different scales of the built environment this minisymposium will provide insights from current research. Elles Bulder will start off the symposium with an introduction. Following, we will zoom in on the general practice care in areas of demographic decline. Furthermore, we will address the question how the built environment can contribute to well-being. Apart from these researchers, a general practice manager and an architect will share their experiences.

ZIF Session: New Initiatives in Care Pt. 1

Recent Examples in the North of the Netherlands



<u>JUNE 1</u>	<u>10:00 – 11:30</u>
<u>LANGUAGE</u>	<u>DUTCH</u>
<u>LOCATION</u>	<u>UMCG</u>
<u>ROOM</u>	<u>LOKAAL 16</u>

Speakers: Marianne van der Harten (De Noorderbrug), Ida van Marion (ZuidOostZorg, Sûnenz), Jentje Steegstra (BouwConcept), Sylvester Adema (Adema Architects), Hilde van Ree (Groninger Huis), Karin Kalverboer (chair)

The demand for care is changing. This leads to new initiatives and building concepts. This session will focus on a few exemplary projects in the Northern Netherlands, like the transformation by Noorderbrug of an old, empty office building into a vibrant 'talent and living centre', home to a hundred clients. Sûnenz is working on new concepts for care and treatment in the Northern Netherlands. They will present projects in the Dutch towns of Dokkum and Drachten. Finally, Groninger Huis focusses on new concepts for housing and care in areas of demographic decline seeking combinations with leisure and tourism.

Aedes-ActiZ Symposium: Flex in the City

Growing Older in Cities



<u>JUNE 1</u>	<u>10:00 – 14:00</u>
<u>LANGUAGE</u>	<u>DUTCH</u>
<u>LOCATION</u>	<u>NIJESTEE</u>
<u>ROOM</u>	<u>AUDITORIUM</u>

Speakers: Bas Liesker (Heren 5), Guus van Montfort (Aedes-Actiz), Hester van Buren (Rochdale), Ids Thepass (Laurens Wonen), Jacques Allegro (Stadsdorp Zuid), Jan Latten (UvA), Leonie Voragen (VGZ), Marc Calon (Aedes), George de Kam (Radboud University)

The population of cities is getting older, but not always in the same way. In some areas they are concentrated in specific neighbourhoods, whereas other cities stay extremely young, because of the existence of a university or due to other factors. How do cities prepare for these demographic changes? The general idea is that a mixed age and race population is best for a healthy city. But how do cities stay attractive for a diverse population? And what do housing corporations, care organisations and new players in the field do in order to tackle these problems? And what is the appropriate role for the citizen?

Fresh Research Session

Brand New Perspectives on Health and the Built Environment



JUNE 1	10:00 – 11:30
LANGUAGE	EN
LOCATION	UMCG
ROOM	LOKAAL 4

Speakers: Hanna van Dijk, Jeroen Postma (Erasmus University Rotterdam), Magdalena van der Berg (VUMC), Wilma Zijlema (RUG), Jochem Klompmaker (RIVM), Govert Buijs (chair)

Our health is a slippery business, depending on so many factors that designing for health must be a difficult task. In our Fresh Research sessions, the young and bright from universities, architectural offices and knowledge centres, will present the latest in the field of design and health in quick and short presentations. You will get a bird's-eye view of cutting edge research that is carried out today; from food to mobility, from hospitals to elderly care.



Are Hospitals Like Obsolete Department Stores?

And Will the Elderly be Shopping for Care Online?



JUNE 1	10:00 – 11:30
LANGUAGE	EN
LOCATION	UMCG
ROOM	LOKAAL 5

Speakers: Anna van Poucke, Karina Kuperus (KPMG)

Changes are necessary in the Dutch care system. Merging hospitals is no longer sufficient when it comes to the future of healthcare. The future calls for innovative partnerships, taking the healthcare continuum into account. The writing on the wall is evident in both the Netherlands as well as abroad. During this session, Anna van Poucke and Karina Kuperus will discuss the Dutch healthcare transformation. We will turn away from the hospital as the primary caretaker and consider the ageing citizen as a consumer in charge of his/her own care. We will paint a picture of the future care landscape and discuss the repercussions for both stakeholders and citizens. Prepare for an interactive journey to the future care landscape.



Sport in the City

Inclusivity of Sport and Physical Activity in Urban Plans



<u>JUNE 1</u>	<u>10:00 – 11:30</u>
<u>LANGUAGE</u>	<u>EN</u>
<u>LOCATION</u>	<u>UMCG</u>
<u>ROOM</u>	<u>LOKAAL 9</u>

Speakers: Daniel Casas Valle (Universidade do Porto), Vincent Kompier (textour), René Kural (KADK), Enrique Orts (Ayuntamiento de Valencia)

What does a city need in order to provide for good sport and physical facilities? And how can city and sport be spatially integrated? In Copenhagen and Valencia, new sport cultures have emerged in design: activity and space. For more than twenty years, the spatial integration of sport and city has been a natural combination. What makes sport facilities in Denmark unique, and what role does the Institute for Sports & Architecture play? And what were the key factors that helped change the city of Valencia into a great city of sport and physical activity? In this public conversation interesting and inspiring successes and failures of spatial and social sport policy will be discussed, as well as some practice examples.

RIVM Session: Facts, Figures & New Understandings

The Relationship Between Health and the Environment



<u>JUNE 1</u>	<u>10:00 – 11:30</u>
<u>LANGUAGE</u>	<u>DUTCH</u>
<u>LOCATION</u>	<u>ERIBA</u>
<u>ROOM</u>	<u>AUDITORIUM</u>

Speakers: Daniel Casas Valle (Universidade do Porto), Vincent Kompier (textour), René Kural (KADK), Enrique Orts (Ayuntamiento de Valencia)

The space in which we live and work is prone to a broad range of physical and environmental factors, influencing our health in positive and negative ways. Some of these factors can be seen and heard clearly, like trees or noise. But other factors, like air pollution, are less obvious. How can we measure their effect on our health? And how have we focussed on these factors in the past years? And in what way does spatial design influence them? In this session, researchers and designers will share their theoretical findings and knowledge of the field. The sessions will be concluded with a discussion on the following question: how do we create healthy environments, taking these factors into account or maximizing their benefit?

Recent Dutch Hospital Architecture Pt. 2

Evidence-Based Design and the Healing Environment



Foto: Rob 't Hart

JUNE 1	12:15 – 13:45
LANGUAGE	EN
LOCATION	UMCG
ROOM	BLAUWE ZAAL

Speakers: Andre Willems (Meander Medisch Centrum), Arjen van der Zee (AMC), Fokke Rakers (VUMC), Francesco Messori (D/DOCK), Hans van Beek (Atelier PRO), Steven van der Heijden (Koen van Velsen Architecten), Margriet Schneider (UMC Utrecht), Peter Defesche (OD 205 architectuur), Milee Herweijer (chair)

Dutch Healthcare Architecture has received wide interest throughout the world. Innovative concepts such as the 'core hospital', the 'layers model' and Evidence-Based Design have left their mark on a variety of projects. In these sessions we will showcase the best practices of Dutch Hospital Design in the last decade. What makes these buildings special? How did the decision-making process define their architectural features? In this session: Meander Medisch Centrum, Groot Klimmendaal Arnhem, Emma Kinderziekenhuis AMC Amsterdam, VUmc Amsterdam and the UMC Utrecht Intensive Care unit.

Securing Health and Well-Being in Shrinking Areas

Hanze University/NoorderRuimte Symposium Pt. 2



JUNE 1	12:15 – 13:45
LANGUAGE	EN
LOCATION	UMCG
ROOM	RODE ZAAL

Speakers: Maarten Vieveen, Erzsi de Haan (Hanze University), Anna Fink (B+B), Mathilde Pruntel (Municipality Slochteren), Elles Bulder (chair)

How do we secure well-being in regions of demographic decline and shrinking cities? How do you keep your services up-to-date and how do you prepare the built environment for the future? NoorderRuimte, the Centre of Applied Research and Innovation on Area Development, illustrates the (design) task laying ahead and sketches possible solutions. Focussing on different scales of the built environment, depopulating areas, buildings and users, this minisymposium will provide insights from current research on the built environment, service provision and civic action. Elles Bulder (Professor Demographic Transition and Built Environment) will start off the symposium with an introduction. This session will focus on the role of community initiatives in maintaining facilities and our built environment. Three perspectives are considered: theory, local government and the design world.

HANNN Symposium: First Man-Made Blue Zone

Stimulating Active Communities



JUNE 1	12:15 – 13:45
LANGUAGE	DUTCH
LOCATION	UMCG
ROOM	LOKAAL 16

Speakers: Ina Holtrop, Ted Willemsen (Stenden), Arjan Zantingh (VGB), Dieuwke Broekstra (RUG) Jos Meijers (Toentje), Daan Bultje (chair)

Blue Zones are areas in the world where people become significantly older than in other places. From Loma Linda (VS), Sardinia (Italy) en Ikaria (Greece) to Nicoya (Costa Rica) and Okinawa (Japan). People living in Blue Zones not only live longer, they also live healthier, more meaningful and happier lives. Unfortunately, looking at the Northern Netherlands, we must conclude that we are faced with rather a red zone instead of a blue one. Change is necessary. While searching for ways to realize a Man-Made Blue Zone, the Healthy Ageing Network Northern Netherlands (HANNN) is looking for the malleability of active communities. This is based on practice examples: how do you motivate a neighbourhood community to start gardening? How do you accomplish a growing church community in times of secularization? And how do you actively involve people without deciding what you are going to do in advance?



Health Care Real Estate in its Infancy

Invest more, Differentiate more



JUNE 1	12:15 – 13:45
LANGUAGE	DUTCH
LOCATION	UMCG
ROOM	LOKAAL 4

Speakers: Boris van der Gijp (Achmea Real Estate), Irma Langereart (Zorgobligatie.nl), Jan Veuger (chair)

The main conclusion of the health real estate barometer 2015 is that investments in health real estate have a positive outlook. In the Netherlands, this is a strongly underdeveloped market, because Dutch healthcare organisations only recently (2012) became responsible for their own real estate. In other countries investing in cure and care real estate is very common. Foreign investors see investment opportunities in the Netherlands. In this session, you will be presented with an overview of chances and possibilities with tingling stories about new financial investment forms, a care bond fund, and robust business cases, Flexibility, returns and perspectives on the future for Dutch Health real estate.

ZIF Workshop: New Initiatives in Care Pt. 2

SintJan Kloosterburen: Care + Housing + Work + Culture



JUNE 1	12:15 – 13:45
LANGUAGE	EN
LOCATION	UMCG
ROOM	LOKAAL 5

Speakers: Moriko Kira (Moriko Kira Architect), Anne Hilderink (SintJan Kloosterburen), Karin Kalverboer (ZIF)

SintJan is a citizens' initiative on the oldest cloister grounds of the province of Groningen. Here, they combine history and tradition with living, working, care and conservation. SintJan is an example of how demographic change can actually create opportunities for a new direction. Architect Moriko Kira is deeply involved in the project. She regards the plan as a very important and new way of working in shrinking areas. Most current policies are focussed on city growth, but the development of SintJan shows that the continuity of small communities in rural areas could also be a viable strategy. In this workshop, Moriko Kira and artist Anne Hilderink will explain the way they work and share their experiences. They will emphasize how important it is to work together with other disciplines to tackle the problems of rural areas from a health perspective.

AFFR BTFOH Movie Theatre: Global Home

A Special BTFOH Film Selection from the AFFR Archives



JUNE 1	14:00 – 19:00
LANGUAGE	EN
LOCATION	UMCG
ROOM	LOKAAL 9

For the last 50 years, the world population grew more rapidly than ever before, and more rapidly than it is projected to grow in the future. The Wednesday's Shorts focus on some of the issues caused by this immense growth. The films will be shown continuously for the duration of the session so you can walk in and out at your convenience. Our titles for Wednesday: Hotel 22 (2014), Home sweet home (2014), Surpriseville, (2010), Fortress of Solitude (2014), Winter (2013) and Vertical City (2011). Home = Here (2015), a short movie filmed in Groningen, will complement the programme. This video by Martin and Inge Riebeek is a personal portrait of the Selwerd district and its inhabitants, aligned with portraits of people from other regions of the globe. Home = Here was assigned by CBK Groningen (Groningen's arts centre).

Workshop: Building Blocks of Healthy Ageing

Breaking Traditional Barriers



<u>JUNE 1</u>	<u>12:15 – 13:45</u>
<u>LANGUAGE</u>	<u>EN</u>
<u>LOCATION</u>	<u>ERIBA</u>
<u>ROOM</u>	<u>AUDITORIUM</u>

Speakers: Stanton Newman (City University London), Lasse Kannas (University of Jyväskylä), Joop de Beer (NIDI), Martin Bieuwenga (West 8), Erik Buskens (chair)

Globally, the population is still growing, but increasing longevity and decreasing fertility in many countries and communities are going to have an impact on most, if not all, aspects of society. Unprecedented in human history, the proportion of individuals over 60–70 years will rise to 25% and above. This urges us to think of innovative ways to maintain and sustain individual as well as population health, functioning and independence, quality of life, well-being and welfare. Adequate nutrition, hygiene, accessible healthcare, a safe environment and housing are among the basic needs, yet, as such insufficient to even maintain a status quo. We aim to focus on these opportunities foregone, and open a broad discussion on how to break traditional barriers and engender and inspire collaborative efforts. To set the scene we have found four eminent speakers who will share their experiences and insights.



Espria The Lively Neighborhood



<u>JUNE 1</u>	<u>09:30 – 16:00</u>
<u>LANGUAGE</u>	<u>DUTCH</u>
<u>LOCATION</u>	<u>NH HOTEL</u>
<u>ROOM</u>	<u>10TH FLOOR</u>

Speakers: Alleta Koops-Oosterhuis, Ester Kuiper (Espria), Bertus J. Jeronimus (RUG), René van Kruchten (Icare)

Experience how citizens give shape and substance to an enjoyable life together. We will show how various collaborative care and welfare parties facilitated and supported them in achieving this. The session includes four workshops in the area of demand-oriented working, living comfort, the role of the neighbourhood nurse and comprehensive cooperation. Furthermore, you will get to know the Leefplezier (living comfort) app and you can interact with and share information on concrete examples of comprehensive cooperation in healthcare and the individual strength of (ageing) citizens and residents.



IenM Workshop: Smart and Healthy Cities

Presentation First Results



<u>JUNE 1</u>	<u>12:15 - 13:45</u>
<u>LANGUAGE</u>	<u>DUTCH EN</u>
<u>LOCATION</u>	<u>UMCG</u>
<u>ROOM</u>	<u>LOKAAL 9</u>

What makes people feel 'at home' in the city? How can 'healthy living' in the city be stimulated? How can the city's accessibility be balanced with recreational aspects? Three interdisciplinary teams will work on these issues as well as on three cases related to the challenges of ever-growing cities. In this session, the teams will present their first ideas.

Welcome + Official Opening



<u>JUNE 1</u>	<u>14:00 - 14:30</u>
<u>LANGUAGE</u>	<u>EN</u>
<u>LOCATION</u>	<u>UMCG</u>
<u>ROOM</u>	<u>BLAUWE + RODE ZAAL</u>

Speakers: Peter den Oudsten (Mayor of Groningen), Mark Rutte (Prime Minister of the Netherlands), Frans Jaspers (Building the Future of Health)

Welcome to the Northern Netherlands, a three star Reference Site of the European Innovation Partnership of Active and Healthy Ageing (EIP-AHA). Welcome to the city of Groningen. And welcome to the conference that will hopefully revitalize the once fertile coalition between urban planning, architecture and public health, leading to new and powerful concepts for healthy cities, Man Made Blue Zones, smart and healthy houses, clean water, new concepts for preventive medicine in urban planning and state of the art future hospitals and healthcare institutions!

Towards a Man-Made Blue Zone: Introduction

Signing Covenant Vital at Home Man-Made Blue Zone



JUNE 1 14:30 – 14:45
LANGUAGE EN
LOCATION UMCG
ROOM BLAUWE + RODE ZAAL

Speakers: John Jorritsma
(HANNN), Daan Bultje (HANNN)

The Northern Netherlands has all the ingredients to be a living lab for a large-scale transformation of homes, schools and other buildings, creating spaces that nurture and promote human health and well-being. The Healthy Ageing Network Northern Netherlands, the Healthy Life Alliance, the National Coordinator Groningen and the Economic Board Groningen will sign a MoU (Memorandum of Understanding) in order to take a first step in this direction. Transforming existing challenges and ambitions (reinforcements of buildings in the earthquake region; broadening of the Vital@Home approach; and the Man-Made Blue Zone ambition) into specific and scalable initiatives.



Creating Health

Experiences from the Mayo Clinic Center for Innovation



JUNE 1 14:45 – 15:15
LANGUAGE EN
LOCATION UMCG
ROOM BLAUWE + RODE ZAAL

Speaker: Douglas L. Wood
(Mayo Clinic, Rochester NY)

The Mayo Clinic's experience in creating health includes innovations in care delivery and community health. Learn how the Mayo Clinic (Center For Innovation) addressed health problems by using methods of human centred design. Improvements in community health are best achieved in a physician led collaborative of government, businesses, faith groups, social services and philanthropic organizations that can set goals and organize implementation plans for success.



The Well-Building Standard

A Holistic Approach to Health



JUNE 1 15:15 – 15:45
LANGUAGE EN
LOCATION UMCG
ROOM BLAUWE + RODE ZAAL

Speaker: Peter Scialla
(Delos Living LLC)

We spend over 90% of our time indoors. Accordingly, Delos, the pioneer of Wellness Real Estate, believes that buildings should be developed with people's health and wellness at the centre of design. In October 2014, it therefore introduced the WELL Building Standard: a holistic approach to health in the built environment addressing behaviour, operations and design. WELL is a performance-based system for measuring, certifying, and monitoring features of the built environment that impact human health and well-being, through air, water, nourishment, light, fitness, comfort and mind. Certified™ spaces developments can help create a built environment that improves the nutrition, fitness, mood, sleep patterns and performance of its occupants.

Healthy Ageing as Objective and Challenge

Adding Value to Life and Society



JUNE 1 16:15 – 16:45
LANGUAGE EN
LOCATION UMCG
ROOM BLAUWE + RODE ZAAL

Speaker: André Knottnerus (WRR)

Healthy ageing starts early in life and is both an objective and a challenge, for all of us individually and for society as a whole. The societal innovation agenda for health should therefore address not only prevention and care, but also other domains, including the environment in its broadest sense. As healthy ageing is both a result and a motor of progress, good policy making as to demographic and epidemiological changes is an investment in societal development. Such policies should be inclusive, across generations and socioeconomic groups, in order to promote quality of human life and long-term development and utilization of all capacities.

Positive Health

In Search of a New Definition



JUNE 1 16:45 – 17:15
LANGUAGE EN
LOCATION UMCG
ROOM BLAUWE + RODE ZAAL

Speaker: Machteld Huber
(Institute for Positive Health)

Health plays an increasingly larger part in thinking about cities. But what is health in a time when ageing and illness are inevitable? Is health the absence of illness: a complete state of well-being? Or is it time to update its definition? And above all: what part can health play in our cities, neighbourhoods and living spaces?

Who Cares?

Tomorrow's Caregiver



JUNE 1 17:15 – 17:45
LANGUAGE EN
LOCATION UMCG
ROOM BLAUWE + RODE ZAAL

Speaker: Floris Alkemade
(Government Architect of
the Netherlands)

The caregiver of the past is not the caregiver of today. And the places for cure and recovery have changed, too. How did this system of caring, curing and recovering develop over the years? And what does the system look like today? Chief government architect Floris Alkemade will reflect on the changes that took place in the physical, social and technological domain.

Smart Health Care and Big Data

Can We Make Urban Planning Evidence-Based?



JUNE 1	17:45 - 18:15
LANGUAGE	EN
LOCATION	UMCG
ROOM	BLAUWE ZAAL

Speaker: Paul Tang
(IBM Watson Health)

IBM Watson Health Cloud brings together clinical, research and social data from a diverse range of health sources cloud-based data sharing hub, powered by the most advanced cognitive and analytic technologies. But what will happen when we also include geo data? Can we make Urban Planning and Urban Design evidence-based?

Programme overview



Everyone's Dream

Finding New Housing Concepts and Urban Strategies



JUNE 2	09:00 – 09:50
LANGUAGE	EN
LOCATION	UMCG
ROOM	BLAUWE ZAAL

Speakers: Anne-Sophie Parent (Age Platform Europe), Lambert van Nistelrooij (European Parliament)

The impact of our living environment on health has been studied for many years. Today, the challenge is to find new housing concepts and urban strategies flexible enough to adapt to rapidly evolving populations, addressing not only the needs and expectations of today's older generations, but taking a longer perspective and a life course approach. Everyone wishes to remain autonomous and stay in their own homes until the end of their lives, close to their social network and actively engaged in their communities. We must look at what can be done to preserve not only older people's but everyone's abilities and health, taking a holistic approach as recommended by the WHO. Anne-Sophie Parent will share her vision on what needs to be done to build a healthy future for all.

Healthy Ageing: A User's Guide

An Introduction



JUNE 2	09:00 – 09:50
LANGUAGE	EN
LOCATION	UMCG
ROOM	LOKAAL 16

Speakers: Erik Buskens (UMCG), Pieter Hooimeijer (UU)

In the 'Healthy Ageing: A User's Guide' sessions we will focus on the broad perspective of healthy ageing. We will look at demography, social economical aspects, perception of health and healthy food. Fifteen top scientists will share their views on the future of their field and how these will effect the way cure and care are perceived. They will be challenged to give their opinions on how this will influence our use of the living environment.

Healing Through Nature

Facilitating Nature Contact in the Healthcare Environment



JUNE 2	09:00 – 09:50
LANGUAGE	EN
LOCATION	UMCG
ROOM	LOKAAL 9

Speakers: Roos Pals (Hanze), Karin Tanja-Dijkstra (VU Amsterdam)

Nature has psychological and physiological benefits for people. Patients and hospital staff benefit from healthcare environments that incorporate nature in their design, ranging from hospital gardens and indoor plants to Virtual Reality nature. In this session, we will share knowledge from the field of environmental psychology which demonstrating that contact with nature reduces stress, increases pain tolerance and in some cases may even shorten hospital stay. This knowledge can be used in the design of healthy healthcare environments.

The Healthy City: Research and Design Pt. 1

Future Healthy Countrysides and a Toolbox for Healthy Cities



JUNE 2	10:00 – 11:00
LANGUAGE	EN
LOCATION	UMCG
ROOM	BLAUWE ZAAL

Speakers: Mathijs Dijkstra (MD Landschap), Han Dijk (Posad Spatial Strategies), Rients Dijkstra (chair)

Over the past years, an increasing amount of architects, urban planners and landscape architects re-explored the relation between health and the built environment. The Healthy City sessions give centre stage to their inspiring views, plans and solutions for a Healthy City. In this session: MD Landscape Architects on Future Healthy Countrysides and Posad Spatial Strategies on their Healthy City Toolbox.

The Architecture of Hospitals

High-End Medical Institutions Pt. 1: Translational Working



Foto door Christophe Valtin

<u>JUNE 2</u>	<u>10:00 – 11:00</u>
<u>LANGUAGE</u>	<u>EN</u>
<u>LOCATION</u>	<u>UMCG</u>
<u>ROOM</u>	<u>RODE ZAAL</u>

Speakers: Jonathan Erskine (chair), Bernard Valero (Valero Gadan Architects), Jorg Usinger, Michael Innerarity (Behnisch Architekten)

Hospitals are centres for research, as well as for clinical services, and may accommodate staff engaged in research as well as clinicians focused on patient care. This dual role has the potential to undermine performance in each area. It is also true that the treatment of patients can benefit from interactions between doctors and scientists. Working with patients generates questions which inspire fundamental research; fundamental research benefits from concrete cases. Architecture can promote (or frustrate) the interaction. But how does this work in practice? And, more importantly, does it really improve medical outcomes and boost scientific progress? Is it possible to substantiate claims that it does? In this session the Institut Imagine in Paris by Atelier Jean Nouvel and Valero Gadan Architectes and the National Center for Tumor Diseases in Heidelberg by Behnisch Architekten take centre stage.

Healthy Ageing: A User's Guide

Prospects On Food



<u>JUNE 2</u>	<u>10:00 – 11:00</u>
<u>LANGUAGE</u>	<u>EN</u>
<u>LOCATION</u>	<u>UMCG</u>
<u>ROOM</u>	<u>LOKAAL 16</u>

Speakers: Gerjan Navis (UMCG), Daan Kromhout (UMCG), Erik Buskens (chair), Pieter Hooimeijer (chair)

In the 'User's Guide' sessions we will focus on the broad perspective of healthy ageing. We will look at demography, social economical aspects, perception of health and healthy food. Fifteen top scientists will share their views on the future of their field and how these will effect the way cure and care are perceived. They will be challenged to give their opinions on how this will influence our use of the living environment.

PBL Session: Healthy Urban Living Pt. 1

Perspectives, Empiricism and Policy Options



JUNE 2	10:00 – 11:00
LANGUAGE	EN
LOCATION	UMCG
ROOM	RONDE ZAAL

Speakers: Leendert van Bree (chair),
Guus de Hollander (PBL), Martin
Dijst (Utrecht University)

Cities are facing new challenges in the field of transformation towards a circular economy, enhancing the quality of living, quality of life, and a more socially-inclusive environment. Healthy cities of the future are also creating an enabling and adaptive (spatial) built environment for the promotion of health, healthy behaviour, healthcare and quality of life. This means that (social) organizations, entrepreneurs, policymakers, administrators and research institutes – now more than ever – need to work together on transformation challenges and investment agendas for healthy, social, and caring cities of the future. The Netherlands Environmental Assessment Agency (PBL) organizes this session focused on perspectives, empiricism, and policy options.

WUR Session: Serious Landscaping

Eco-Ideals and Large-Scale Landscape Transformation



JUNE 2	10:00 – 11:00
LANGUAGE	EN
LOCATION	UMCG
ROOM	LOKAAL 4

Speakers: Jonas Papenborg
(karres+brands), Remco van der Togt
(Strootman Landschapsarchitecten),
Inge Kersten (H+N+S), Jorrit
Noordhuizen (NOHNIK), Paul
Roncken (chair)

Recently, the agenda for an understanding of landscapes has toppled. There seems to be a need for a revolt against industrialization and ruthless urbanization combined with an increasing acceptance of ecological ideals. If this is the case, the notion of the sublime can be explained as a critique of the current inadequacy of imagination on how to build cities and manage natural resources. In this session, we will elaborate on this notion and discuss two examples, made by young landscape architects. This new generation of landscape architects is concerned with large-scale landscape transformations that both heal the physical aspects of these landscapes, as well as their experiential character.

AFFR BTFOH Movie Theatre: Changing World

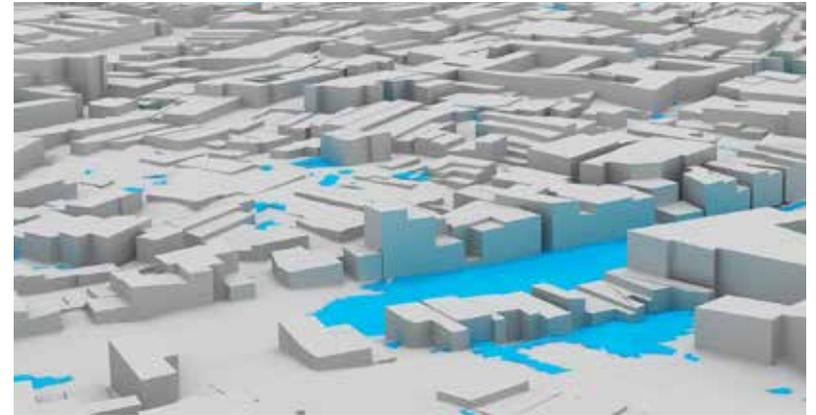
A Special BTFOH Film Selection from the AFFR Archives



JUNE 2	10:00 – 12:00
LANGUAGE	EN
LOCATION	UMCG
ROOM	LOKAAL 5

Urban centres are regarded by many as an opportunity to 'escape traditional patriarchy and experience new freedoms': this includes greater access to education, health, and employment. However, for many who seek these opportunities the opposite occurs, resulting in extreme poverty, exclusion and vulnerability. Thursday's film programme shows a couple of issues people have to cope with in the ever growing urban areas: Pojangmacha (2015) Last Dance on the Main (2014), Bonnington Square (2014), Down to the Countryside (2014), Microbrigades – Variations of a Story (2013) and Non-Space: the Collapse of the City as Commodity (2014). The films will be shown continuously for the duration of the session, so you can walk in and out at your convenience.

Climate Session: Experience Climate Change



JUNE 2	10:00 – 11:00
LANGUAGE	EN
LOCATION	UMCG
ROOM	LOKAAL 9

Speakers: Floris Boogaard (chair),
Govert Schoof, Jonathan Tipping
(NoorderRuimte)

Storm water flooding and thermal stress are two important issues for most of the developed areas in cities. Due to climate change, these issues may contribute to serious problems in dense urban areas. Therefore, the sectors for public health and disaster management should be able to assess the vulnerability to storm water flooding and thermal stress. To achieve this goal, two cities in different climate regions with various urban context have been selected as pilot areas: Tainan (Taiwan) and Groningen. Storm water flooding and thermal stress maps will be produced. The combined potential map indicates the problem areas of flooding and thermal stress which should be improved and can be used by urban planners and other stakeholders to improve our living environment.

Design and Dementia Pt. 1

The Art and Science of Dementia Care



JUNE 2	10:00 – 12:00
LANGUAGE	DUTCH
LOCATION	ERIBA
ROOM	AUDITORIUM

Speakers: Jetske Visser, Marthe Biezen, Jarrik Ouburg, Laura Lynn Jansen

Six interdisciplinary teams, consisting of designers, scientists, product makers and health professionals have investigated the living environment of people with dementia at three care locations in Amsterdam. In close cooperation with staff and clients they worked on spatial interventions of the interior and prototypes of new (care) products. By connecting research with design and the actual making of products, research results were directly tested in the daily practice. Which lessons can be learned from this way of working? Marthe Biezen, Laura Lynn Jansen, Jarrik Ouburg and Jetske Visser present four casestudies. Discover how simple interventions in the interior can have a big influence on the quality of life for people with dementia.

The Healthy City: Research and Design Pt. 2

Public Space + Health, Sports and Leisure and Clean Air



JUNE 2	11:00 – 12:00
LANGUAGE	EN
LOCATION	UMCG
ROOM	BLAUWE ZAAL

Speakers: Rients Dijkstra (chair), Alex Letteboer (Atelier PRO), Stefan Bendiks (Artgineering), Jorg Usinger (Behnisch Architekten)

Over the past years, an increasing amount of architects, urban planners and landscape architects re-explored the relation between health and the built environment. The Healthy City sessions give centre stage to their inspiring views, plans and solutions for a Healthy City. In this session: Artgineering on the relation between Public Space and Public Health, Behnisch Architekten on the projects they did on sports and leisure and Atelier PRO on creating healthy environments in complex urban systems and circumstances: can we convert prolonged abandoned office buildings into health stimulating habitats and can architecture contribute to the city's clean air?

The Architecture of Hospitals

High-End Medical Institutions Pt. 2:
Solving Piecemeal Planning



JUNE 2	11:00 – 12:00
LANGUAGE	EN
LOCATION	UMCG
ROOM	RODE ZAAL

Speakers: Christopher Shaw (chair),
Edzard Schultz (Heinle Wischer
Partner), Vera Yanovshtchinsky
(Vera Yanovshtchinsky architecten)

Large-scale hospital complexes tend to develop like small cities. These hospitals are ideally based on master plans that, however, tend to lack the long-term validity inherent in urban planning. Moreover, the distinction between public and private components is inexistent and, therefore, the clear planning framework derived from it is also lacking. Without a fixed framework this leads to a complete lack of consistency. Often, the result is similar to what would happen in cities if people would construct buildings in the middle of streets and squares. This calls for strategies to minimize the damage. In this session: the Centre for Surgical Medicine II (ZOM II) in Düsseldorf by Heinle Wischer Partner and the UMCG represented by Vera Yanovshtchinsky.

Healthy Ageing: A User's Guide

The Impact of Genetics & Personalized Medicine



JUNE 2	11:00 – 12:00
LANGUAGE	EN
LOCATION	UMCG
ROOM	LOKAAL 16

Speakers: Lude Franken, Pim
van der Harst, Stephan Bakker
(UMCG), Erik Buskens (chair),
Pieter Hooimeijer (chair)

In the 'User's Guide' sessions we will focus on the broad perspective of healthy ageing. We will look at demography, social economical aspects, perception of health and healthy food. Fifteen top scientists will share their views on the future of their field and how these will effect the way cure and care are perceived. They will be challenged to give their opinions on how this will influence our use of the living environment.

PBL Session: Healthy Urban Living Pt. 2

Perspectives, Empiricism and Policy Options



JUNE 2	11:00 – 12:00
LANGUAGE	EN
LOCATION	UMCG
ROOM	RONDE ZAAL

Speakers: Leendert van Bree (chair),
Dorte Kristensen (Atelier PRO),
Ingrid Doorten (RVS)

Cities are facing new challenges in the field of transformation towards a circular economy, enhancing the quality of living, quality of life, and a more socially-inclusive environment. Healthy cities of the future are also creating an enabling and adaptive (spatial) built environment for the promotion of health, healthy behaviour, health care, and quality of life. This means that (social) organizations, entrepreneurs, policymakers, administrators and research institutes – now more than ever – need to work together on transformation challenges and investment agendas for healthy, social, and caring cities of the future. The Netherlands Environmental Assessment Agency (PBL) organizes this session focussed on perspectives, empiricism, and policy options.

Countryside Idyll?

Intensive Farming, Pesticides & Healthy Living in the Countryside



JUNE 2	11:00 – 12:00
LANGUAGE	DUTCH
LOCATION	UMCG
ROOM	LOKAAL 4

Speakers: Rodina Fournell,
Bram Verhave (Bollenboos)

Bulb cultivation is a lucrative way of agriculture; an innovative sector with a big international name. But unfortunately, it has a dark side. For the cultivation of bulbs, big amounts of insecticides and other chemicals are being used, flowing into the surface water and polluting our soil, air, schoolyards, bicycle lanes and people's gardens. To what degree are people exposed to this poison? What is the influence on our health and ecology? It is time for a smarter approach. This is not an easy task, especially in a country where we are used to giving carte blanche to the agricultural entrepreneur. Come and listen to the challenges lying ahead and help us come up with solutions. We need innovative and safe solutions for agricultural entrepreneurs as well as for our citizens.

Climate Session: Beat the Heat

Heat and Health in a Moderate European Climate



JUNE 2	11:00 – 12:00
LANGUAGE	EN
LOCATION	UMCG
ROOM	LOKAAL 9

Speakers: Frans Greven (GGD Groningen), Sanda Lenzholzer (Wageningen University)

Exposure to high temperatures leads to an increase in disease and mortality. Studies on the relation between high temperatures and mortality are always related to the temperature measured outside. But elderly people mostly stay indoors? To what extent is the inside temperature determined by weather conditions, urban and architectural qualities, and behaviour? In cooperation with the University of Utrecht and GGD Gelderland-midden, GGD Groningen investigated the underlying relationship between these factors. This is probably the first study on the importance of considering a wide range of factors that may influence heat exposure and its effects on people's health. Will the prevention of heat islands be sufficient, or do we also have to look at our building tradition and possible other factors?



Health Inequalities

Health Differences between Rich and Poor Neighbourhoods



JUNE 2	13:00 – 13:30
LANGUAGE	EN
LOCATION	UMCG
ROOM	BLAUWE ZAAL

Speaker: Johan Mackenbach (Erasmus MC)

In Rotterdam, the city where I work and live, there are big health differences between the poor and rich neighbourhoods. Between metro stations Kralingezoom and Delftshaven, life expectancy rates decline by four years. Similar differences and even bigger ones are found in big cities all over the world. Of course, one of the main causes is the population's composition in these neighbourhoods. In poorer neighbourhoods you will find a population with low income and low educational levels. But at the same time, there is a presumption that health differences may be related to living in bad or good neighbourhoods. Is this true and if so: which specific neighbourhood features are we talking about?



AGE Platform WHO: Towards an Age-friendly EU

Mobilization for Age-Friendly Environments



<u>JUNE 2</u>	<u>13:00 – 15:00</u>
<u>LANGUAGE</u>	<u>EN</u>
<u>LOCATION</u>	<u>UMCG</u>
<u>ROOM</u>	<u>RODE ZAAL</u>

Speakers: Manfred Huber (WHO), Furio Honsell (Mayor Udine), Carina Dantas (Coimbra), Mikko Aaltonen (Deputy Mayor of Tampere), Martin Polenz (City of Arnsberg), Geoff Green (Sheffield Hallam University), Menno Hinkema (chair)

This session is organized jointly by WHO Europe and the European Covenant on Demographic Change. Participants will learn about the outcomes of the WHO Age-Friendly for Europe-project and some concrete initiatives implemented at local level to promote healthy ageing.

Healthy Ageing: A User's Guide

Public and Mental Health: Making a Living



<u>JUNE 2</u>	<u>13:00 – 14:00</u>
<u>LANGUAGE</u>	<u>EN</u>
<u>LOCATION</u>	<u>UMCG</u>
<u>ROOM</u>	<u>LOKAAL 16</u>

Speakers: Menno Reijneveld, Robert Schoevers (UMCG), Nardi Steverink (RUG), Erik Buskens (chair), Pieter Hooimeijer (chair)

In the 'Healthy Ageing: A User's Guide' sessions we will focus on the broad perspective of healthy ageing. We will look at demography, social economical aspects, perception of health and healthy food. Fifteen top scientists will share their views on the future of their field and how these will effect the way cure and care are perceived. They will be challenged to give their opinions on how this will influence our use of the living environment.



Longer at Home because of the Nursing Home

Future Meaning of Care and Nursing Homes



JUNE 2	13:00 – 15:00
LANGUAGE	DUTCH
LOCATION	UMCG
ROOM	RONDE ZAAL

Speakers: Otto Trienekens, Pieter Graaff (Veldacademie), Patrick van der Klooster (chair)

Due to technological and political developments, elderly people live longer in their own houses. Nursing homes are losing clientele. Veldacademie looked at institutions in Rotterdam and Amsterdam to see what role they play in their neighbourhoods and how they may be given a second life as a living space for older people. In the 'new nursing home', people are living apart together. They have all facilities to be semi-independent, but can always meet in the shared living room for a chat. Veldacademie worked together with architect Jef van den Putte and Boudewien van den Berg (AMO, the research department of OMA). Their research results provide insight into the role care buildings can play in facilitating independent ageing in neighbourhoods.



Workshop: the Greytones of Groningen

New Work and Care Concepts



JUNE 2	13:00 – 15:00
LANGUAGE	DUTCH
LOCATION	UMCG
ROOM	LOKAAL 9

Speakers: Jannie Vinke (ANA Architecten), Annet Ritsema (Bureau Ritsema)

In their research, 'greytones of the inbetween scale', Vincent Kompier, Jannie Vinke and Annet Ritsema searched for living/care formulas, rare in the Netherlands up till now, but common in other European countries. Presenting examples of best practices they created a sample chart with innovative solutions. This workshop's aim is to translate the results to the Groningen situation. Its participants will work on concrete cases aiming to find solutions in dialogue with local stakeholders and experts, with the intention of creating a living environment suitable for our future elderly. Under the supervision of architect Jannie Vinke, the new 'work and care concepts' will be tested.



Pilot Project Integrated Care

Flemish Government Architect: Innovative Health Architecture



JUNE 2	13:00 – 15:00
LANGUAGE	DUTCH
LOCATION	ERIBA
ROOM	AUDITORIUM

Speakers: Mario Deputter
(Atelier Vlaams Bouwmeester),
Michiel Verhaegen (Osar
Architects), Halewijn Lievens (NU
architectuuratelier), Jan Vermeulen
(Studio Thys Vermeulen)

By 2050, the population of Flanders will grow with 1.2 million people, meaning 300.000 extra housing units for the elderly. The Flemish Government Architect and the Flemish Minister of Welfare invited healthcare providers to start building innovative healthcare architecture. The Flemish Government architect invited five interdisciplinary design teams who came up with new models for the future. These pilot-projects, effectively implemented since 2014, will give care its natural position within the urban fabric. In this session, the design teams will present their successful project approach.

Saving Hectares for Food, Nature and Biodiversity

How to Feed an Growing World Population in a Healthy Way?



JUNE 2	13:30 – 14:00
LANGUAGE	EN
LOCATION	UMCG
ROOM	BLAUWE ZAAL

Speaker: Rudy Rabbinge (WUR)

In the twentieth century, the world population grew from 1 to 7 billion people. Nevertheless, food availability per capita increased due to a substantial increase in food production per ha, especially in the major small grains, explaining more than 70% of the food package of the world population. In the next three decades, an additional food production has to be attained as the cumulated food production of the last 6000 years. That is possible when good production ecological approaches and practices are used world-wide. More nutritive food is needed as stunting and other problems including obesity are due to unbalanced diets. The role of food and feed production systems is crucial for world food and nutrition security.



The Pace of Ageing: Golden Age, Golden Years



<u>JUNE 2</u>	<u>14:00 – 14:30</u>
<u>LANGUAGE</u>	<u>EN</u>
<u>LOCATION</u>	<u>UMCG</u>
<u>ROOM</u>	<u>BLAUWE ZAAL</u>

Speaker: Sophia de Rooij (UMCG)

Also wondering how it will look like to be old and grown up in 2054?
We will jump into the future and look back to where we came from.
Come and join me on this!

Healthy Ageing: A User's Guide

Innovations from the (Health Care) Industry



<u>JUNE 2</u>	<u>14:00 – 15:00</u>
<u>LANGUAGE</u>	<u>EN</u>
<u>LOCATION</u>	<u>UMCG</u>
<u>ROOM</u>	<u>LOKAAL 16</u>

Speakers: Richard Jansen
(Medtronic), Leon van der Vorst
(Philips), Erik Buskens (chair),
Pieter Hooimeijer (chair)

In the 'Healthy Ageing: A User's Guide' sessions we will focus on the broad perspective of healthy ageing. We will look at demography, social economical aspects, perception of health and healthy food. Fifteen top scientists will share their views on the future of their field and how these will effect the way cure and care are perceived. They will be challenged to give their opinions on how this will influence our use of the living environment.

The Role of Design in The Prevention Society



JUNE 2	14:30 – 15:00
LANGUAGE	EN
LOCATION	UMCG
ROOM	BLAUWE ZAAL

Speakers: Wouter Vanstiphout
(TU Delft, Crimson)

Restructuring the city in the post-fossil era, the building and embedding of ample and accessible houses, the transformation of public functions and reintegration of jobs are four ways for design to contribute to a city's health. Interestingly, in order to contribute optimally to the city resident's health, design should not have itself transformed into a solely evidence-based health practice. Establishing that inequality and spatial segregation are one of the greatest dangers to public health and that jobs, houses and education are key instruments for working one's way up the ladder, we can be certain that the design task laying ahead should be as follows: designing a well-functioning city for all.

The Healthy City: Research and Design Pt. 3

Skygardens in Seoul and Building for the Next Generation



JUNE 2	15:30 – 16:30
LANGUAGE	EN NL
LOCATION	UMCG
ROOM	BLAUWE ZAAL

Speakers: Jeroen Zuidgeest
(MVRDV), Marlies Rohmer
(Architectenbureau Marlies
Rohmer), Marcel Tankink (chair)

Over the past years, an increasing amount of architects, urban planners and landscape architects re-explored the relation between health and the built environment. The Healthy City sessions give centre stage to their inspiring views, plans and solutions for a Healthy City. In this session: MVRDV on their prize-winning Skygarden project in Seoul, South Korea (and more 'healthy projects') and Marlies Rohmer on her research into contemporary youth culture and its social context. Rohmer will also reveal some results of her recent What Happened to... study in which she critically reflects on some of her own projects and designs, based on interviews with residents and end users.

The Architecture of Hospitals

Community Hospitals and Health Centres Pt.1



<u>JUNE 2</u>	<u>15:30 – 16:30</u>
<u>LANGUAGE</u>	<u>EN</u>
<u>LOCATION</u>	<u>UMCG</u>
<u>ROOM</u>	<u>RODE ZAAL</u>

Speakers: Michael Murphy (MASS. Design Group), José María Hurtado de Mendoza (Entresitio), John Cole (chair)

The trend to replace traditional general hospitals by a limited number of high-end facilities is matched by a corresponding need for small-scale community hospitals refraining from high-risk, sophisticated medical interventions. Consequently, the design of community health centers has become a major challenge. Integration in their social and physical surroundings is key. Economically, they may act as a catalyst of employment. How do these community centers function? What are the reasons to build them? In this session: Butaro Hospital in Butaro (Rwanda) by MASS and the Municipal Healthcare Centres San Blas + Usera + Villaverde in Madrid (Spain) by Entresitio.

Healthy Ageing: A User's Guide

Medical Technology: Far Horizons



<u>JUNE 2</u>	<u>15:30 – 16:30</u>
<u>LANGUAGE</u>	<u>EN</u>
<u>LOCATION</u>	<u>UMCG</u>
<u>ROOM</u>	<u>LOKAAL 16</u>

Speakers: Andre Aleman (UMCG), Ben Feringa, Bert Poolman (RUG), Erik Buskens (chair), Pieter Hooimeijer (chair)

In the 'Healthy Ageing: A User's Guide' sessions we will focus on the broad perspective of healthy ageing. We will look at demography, social economical aspects, perception of health and healthy food. Fifteen top scientists will share their views on the future of their field and how these will effect the way cure and care are perceived. They will be challenged to give their opinions on how this will influence our use of the living environment.

TNO Session: Grip on Personal Health



JUNE 2	15:30 - 17:30
LANGUAGE	EN
LOCATION	UMCG
ROOM	RONDE ZAAL

Speakers: Heleen Wortelboer,
Pepijn van Empelen,
Ben van Ommen (TNO)

Our healthcare system faces more costs, while chronic diseases continue to grow. Innovation and detailed knowledge of the human body has resulted in advanced medical care. At the same time, it resulted in a reductionistic approach failing to address chronic, often lifestyle-related, health problems. We need a shift from this approach to health promotion and empower people to work on their own health. TNO is at the forefront of this development, integrating knowledge and data of biological, psychological, social and behavioral dimensions. In this session we will address how bio-psycho-social health models allow fine-tuning towards personalized health including lifestyle support; ii) how personalized Health tools can promote behaviour changes in young people; iii) how lifestyle medicine will support a healthy economy.



TNO Session: Models for a Healthy City



JUNE 2	15:30 - 16:30
LANGUAGE	EN
LOCATION	UMCG
ROOM	LOKAAL 4

Speakers: Frank Pierik (TNO),
Bart Heinz (Gemeente Schiedam)

How do we define a healthy built environment? What are appropriate indicators of a healthy city? How to assess the impact of urban design and policy on health? Which measures are effective to stimulate public health (e.g. replacing motorized transport by walking and cycling)? How can smart ICT systems and dashboards help us achieve a healthy built environment? The Ministry of Infrastructure and the Environment asked TNO to answer these questions, by using an instrument that interactively shows the effect of urban planning on digital maps. This session will provide answers based on the application of the instrument in two Dutch cities.



A Healthy Urban Boost

Utrecht's New City Centre



<u>JUNE 2</u>	<u>15:30 – 16:30</u>
<u>LANGUAGE</u>	<u>DUTCH</u>
<u>LOCATION</u>	<u>UMCG</u>
<u>ROOM</u>	<u>LOKAAL 5</u>

Speakers: Ellen Peeters,
Marlies de Nijs (gemeente Utrecht)

Utrecht is the fastest growing city in the Netherlands, its growth taking place within the current city borders. Because of this concentration in the city, the municipality decided to invest in the quality of the living environment. All new developments have to contribute in some way to the enhancement of health and sustainability. On the west side of the station (Jaarbeurs area), The New Centre is being developed. The future vision for this area is titled 'a Healthy Urban Boost'. But how can you actually realize such an ambition of healthy urbanism? The municipality will present their work in progress, discuss new solutions and elaborate on the dilemmas they encountered.

A Blind Spot

Vacancy and Decay of Psychiatric Hospitals Preserving Health Care Heritage



<u>JUNE 2</u>	<u>15:30 – 16:30</u>
<u>LANGUAGE</u>	<u>DUTCH</u>
<u>LOCATION</u>	<u>UMCG</u>
<u>ROOM</u>	<u>LOKAAL 9</u>

Speaker: Hans Looijen (Het Dolhuys Museum van de Geest)

In the eighties of the last century, a change took place in the thinking about psychiatric care. Patients had to be taken care of within society itself. As a result, a lot of monumental psychiatric clinics and hospitals as well as their park-like settings have lost their former function. Sometimes they have a ruinous look. Only a few managed to survive by giving it a new function. In this session, we will discuss strategies on how to preserve our health heritage. What chances lie ahead? How do we wash off the stigma associated with psychiatric wards? Several successful examples will be presented.

Self Management In Care

Innovative Local Initiatives: Independent Housing and Care



JUNE 2	15:30 – 17:30
LANGUAGE	DUTCH
LOCATION	ERIBA
ROOM	AUDITORIUM

Speakers: Evelien van Veen (Van Veen Architecten), Annet Ritsema (Bureau Ritsema), Yvonne Witter (Aedes-Actiz), René Asschert, (Gemeente Groningen), Joop Belderok (Zorg Coöperatie Loppersum)

All citizens are expected to take health and healthcare into their own hands. For the elderly this means living independently for longer. The need for innovative local initiatives and independent housing and care keeps growing. In this session, Evelien van Veen and Annet Ritsema (Bureau Ritsema) will present a few appealing local initiatives, like the Ubuntusquare, a small scale living care project in Zutphen and best practices from Germany, Switzerland and Scandinavia. Next, there will be an open discussion about the way elderly people should live and the dilemmas that block successful new concepts. How can our homes and neighbourhoods meet the requirements and needs of the future?

The Healthy City: Research and Design Pt. 4

Skygardens in Seoul and Building for the Next Generation



JUNE 2	16:30 – 17:30
LANGUAGE	EN DUTCH
LOCATION	UMCG
ROOM	BLAUWE ZAAL

Speakers: Lilith van Assem (Lilith Ronner van Hooijdonk), Reimar von Meding (KAW), Marcel Tankink (chair)

Over the past years, an increasing amount of architects, urban planners and landscape architects re-explored the relation between health and the built environment. The Healthy City sessions give centre stage to their inspiring views, plans and solutions for a Healthy City. In this session: KAW on housing, neighbourhoods and accessibility in a 'rolling society', filled with bicycles, electric boards, walkers and baby buggies, and Lilith Ronner van Hooijdonk on new (and private) care and housing initiatives like their model for multi-generational living.

The Architecture of Hospitals

Community Hospitals and Health Centres Pt. 2



Foto door René de Wit

<u>JUNE 2</u>	<u>16:30 – 17:30</u>
<u>LANGUAGE</u>	<u>EN</u>
<u>LOCATION</u>	<u>UMCG</u>
<u>ROOM</u>	<u>RODE ZAAL</u>

Speakers: Steven van der Heijden (Koen van Velsen Architecten), Claudia Bloom (Avanti Architects), Jonathan Erskine (chair)

The trend to replace traditional general hospitals by a limited number of high-end facilities is matched by a corresponding need for small-scale community hospitals refraining from high-risk, sophisticated medical interventions. Consequently, the design of community health centers has become a major challenge. Integration in their social and physical surroundings is key. Economically, they may act as a catalyst of employment. How do these community centers function? What are the reasons to build them? In this session: Banbridge Community Treatment and Care Centre in Banbridge (Northern Ireland) by Avanti Architects and Rehabilitation Centre Groot Klimmendaal in Arnhem (the Netherlands) by Koen van Velsen Architects.

Healthy Ageing: A User's Guide

Behaviour, Social Context and Demography



<u>JUNE 2</u>	<u>16:30 – 17:30</u>
<u>LANGUAGE</u>	<u>EN</u>
<u>LOCATION</u>	<u>UMCG</u>
<u>ROOM</u>	<u>LOKAAL 16</u>

Speakers: Chris Visscher (UMCG), Mark Mobach (NoorderRuimte) Philip McCann (RUG), Erik Buskens (chair), Pieter Hooimeijer (chair)

In the 'Healthy Ageing: A User's Guide' sessions we will focus on the broad perspective of healthy ageing. We will look at demography, social economical aspects, perception of health and healthy food. Fifteen top scientists will share their views on the future of their field and how these will effect the way cure and care are perceived. They will be challenged to give their opinions on how this will influence our use of the living environment.

Expanding Knowledge; Challenging Future?

Integrated Service Areas for Ageing People



JUNE 2	16:30 – 17:30
LANGUAGE	EN
LOCATION	UMCG
ROOM	LOKAAL 4

Speakers: George de Kam, Rianne Melik, Roos Pijpers (Radboud University), Debbie Lager, Eva Kibele (RUG)

Research funded by The National Care for the Elderly Programme (NCEP) shows that Integrated Service Areas have positive effects on the well-being of older people. After a review of the concept of ISA's, we will pay attention to urban-rural differences and the relationship with the quality of public space(s). We will then focus on how ageing people become aware of the need to anticipate on adapting their housing situation. A second project investigates how the (built) environment conditions the provision of informal care and the quality of life of older people. We will end with a discussion on the future of ISA's in the changing context of society, practices and policies.

Healthy Living Lab Dokkum

An Integral Approach to Promote Health in Spatial Redesigning



JUNE 2	16:30 – 17:30
LANGUAGE	DUTCH
LOCATION	UMCG
ROOM	LOKAAL 5

Speakers: Jan Bleeker (GGD Fryslan), Sandra van Assen (Sandra van Assen stedenbouw), Mathijs Dijkstra (MD Landschap)

The Healthy Living Lab Dokkum is a co-creative project, meant to maximize the potential health effects of inhabitants and visitors in existing spatial (re)design projects opting for an integrative approach to health and based on stakeholder participation. Our main goal is to consider if areas, confronted with population decline and ageing, such as the northeast of Friesland, can make use of and stimulate already present elements of positive health (open space, clean air and clean water as well as small, robust communities). Moreover, we want to investigate how the integration of health into existing spatial (re)design projects may contribute to healthy regions in terms of lifestyle and behaviour.

Healthy Workspace

Hanze University NoorderRuimte Session



JUNE 2	16:30 - 17:30
LANGUAGE	EN
LOCATION	UMCG
ROOM	LOKAAL 9

Speakers: Jan Gerard
Hoendervanger, Henk W. Brink
(NoorderRuimte), Anicee Bauer
(D/DOCK)

The importance of physical working conditions in relation to health and well-being has long been recognized. It's the reason why we have extensive legislation protecting our health and safety at work. But how about supporting physical, mental and social health in a positive way? Intelligently designed and carefully implemented work environments can facilitate and stimulate healthy behaviours, which in turn can contribute to vitality, sustainable employability, job performance and job satisfaction. There are lots of opportunities for improvement, as well as reasons for further research. These will be presented and discussed with researchers and practitioners in an interactive session.

Programme overview



The Future of Care

Digitalization Enabling Patient-Centered, Sustainable Care



JUNE 3	09:15 – 09:50
LANGUAGE	EN
LOCATION	UMCG
ROOM	BLAUWE ZAAL

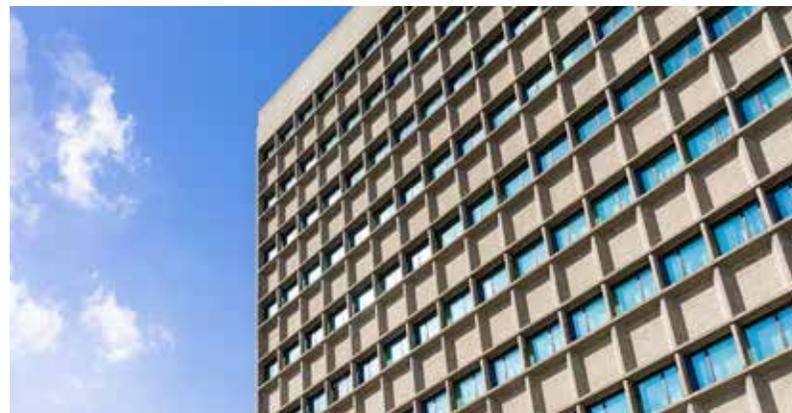
Speaker: Hans Hofstraat (Philips)

Major challenges threaten the sustainability of the healthcare sector: exploding costs, increasing complexity and rising expectations from patients. These developments necessitate a major change in the way care is delivered and organized. The digitalization of care enables addressing these challenges. New technologies are leading to an exponential increase in the volume and types of data available and creating new possibilities in care delivery. Philips is focussing on HealthTech, where they see an opportunity to leverage advanced technology and deep clinical and consumer insights, to deliver integrated solutions that improve people's health and enable better and sustainable outcomes across the health continuum.



The Architecture of Hospitals: Reactivate!

So you work in a Hospital? How many beds?



JUNE 3	09:00 – 09:50
LANGUAGE	EN
LOCATION	UMCG
ROOM	RODE ZAAL

Speakers: Jordi Elings (Diakonessenhuis Utrecht), Femke Feenstra (DJGA Architects), Menno Hinkema (TNO)

“So you work in a hospital? How many beds?” Hospital professionals have been asked that last question many times. Yet there is growing evidence that putting patients in beds actually does more harm than good. Clinical stays in hospitals are associated with a decline in health and well-being. For the growing group of frail elderly patients, a hospital episode can turn into a catastrophic event. How to avoid this? In principle the answer is simple: keep patients active! For architects and designers, it means that the focus on comfort and safety needs rethinking. The Diakonessenhuis Utrecht has taken up the challenge. Together with DJGA Architects and TNO a pilot project is underway to devise a practical yet radical solution.

ENAH Session: Lost in Translation Pt. 1



JUNE 3	09:00 – 09:50
LANGUAGE	EN
LOCATION	UMCG
ROOM	LOKAAL 16

Speakers: Christine Nickl (Nickl-Weller Partner), Cor Wagenaar (chair), Marcus Grant (Bristol Health Partners), Alvaro Valera Sosa (Technische Universität Berlin)

The European Network Architecture for Health is a network of universities, research institutes and research-based architects and urbanists. Its primary mission is to promote the interaction between science and design, two fields with their own expertise, their own methods and their own tools of the trade. How scientific is architecture? To what extent are scientists able to really understand architecture and urbanism? This session covers the field of urbanism and prevention on the one hand, and healthcare architecture and the management of health crises on the other. It highlights the potential of scientific research in the range of facilities it presents, shows best practices and provides examples where things went wrong.



The Straad, for a Better City Climate

Transforming Streets: Spatial, Adaptive, Attractive
and sustainable



JUNE 3	09:00 – 09:50
LANGUAGE	DUTCH
LOCATION	UMCG
ROOM	LOKAAL 4

Speakers: Floor van den Bergh (Buro Berg), Stijn Koole (Bosch Slabbers)

Well into the nineteen-sixties the streets were an essential meeting point of the city. But sidewalks started disappearing and more space was reserved for cars and less for people. The chances of meeting one another have decreased. But also the fact that there is less green in a city makes it less pleasant to walk around. Temperatures are rising and cities are becoming too hot. This is what we call the problem of 'heat islands'; it has a negative effect on the well-being and health of people and even on their work productivity. How can we respond to this changing city climate and make our cities liveable again? The answer is STRAAD. Stijn en Floor demonstrate how streets can contribute to a healthy, liveable and beautiful city.



Caring Communities: Subjective Dimensions Pt. 1

European Perspectives



JUNE 3	09:00 – 09:50
LANGUAGE	EN
LOCATION	UMCG
ROOM	LOKAAL 9

Speakers: Christine Milligan (Lancaster University) Matej Blazek (Loughborough University), Karin Bammann (Universität Bremen), Bettina van Hoven (chair), Debbie Lager (chair)

In promoting the role of design in healthy ageing, it is essential to understand how places are experienced. How do we assess the subjective dimensions of places and the ways in which people use their locality? In three sessions an overview is provided of geographical (health) research in which the focus is on how people experience places and how these experiences influence their well-being. Topics addressed in these sessions include participation, access to health care and age-friendly communities. In this session three short lectures: 1. Creating space for the performance of masculinities in old age, 2. Cross-generational agency in a post-socialist neighbourhood and 3. The Outdoor Active project in Bremen-Hemelingen: experiences and first results.

Building Care and Cure

VolkerWessels Workshop



JUNE 3	09:00 – 09:50
LANGUAGE	EN
LOCATION	UMCG
ROOM	ERIBA

Speakers: Bart van Eijk, Ed Lenting, Henri Soepenbergh, Marianne Davidson (VolkerWessels)

We all know that the care environment will change in the years to come. We also know that the future is difficult to predict. This faces us with the challenge of building a care environment that is functional now, that will be functional in 10 years' time and that will still be functional in 30 years' time. As a construction and development company, we have the means and solutions to do this in-house: but what does the market from us and what do we need from the market? How can VolkerWessels change from 'construction manager' to 'change manager'?

Back to the Future

Are we Capable of Changing Tack?



JUNE 3	10:00 – 11:00
LANGUAGE	EN
LOCATION	UMCG
ROOM	BLAUWE ZAAL

Speaker: Jeroen de Willigen (City Architect at Gemeente Groningen)

Although the earthquake of 3.6 on the Richter scale hitting Huizinge in 2012 caused a lot of distress, it was also a turning point: suddenly it became clear that the extraction of natural gas in Groningen leads to unacceptable risks. It also made people realize that the largest gas field in Western Europe would be depleted shortly after 2023. Since 2012, safety is a priority in considerations regarding natural gas. Residents are very worried about their personal safety, damage repairs and the value and reinforcement of their properties. These are understandable concerns, but we must also look ahead. What economic opportunities will there be in the future? What will the region look like in 25 years' time? And are we capable of changing tack?

The Architecture of Hospitals

Strategies for the Ultimate Children's Hospital



JUNE 3	10:00 – 11:00
LANGUAGE	EN
LOCATION	UMCG
ROOM	RODE ZAAL

Speakers: Christine Nickl-Weller (Nickl & Partner Architekten AG), Roberto Meyer (MVSA Architects), Tara Veldman (Billard Leece Partnership), Claudia Bloom (chair)

Although some diseases are typical childhood diseases, the medical apparatus to deal with them is not what sets children's hospitals apart: what makes them special is the way they interact with the living experiences of children. Children of all different ages require an environment that takes into account their need for play and in some cases for education. In addition, children's hospitals have to accommodate the parents and other family members, adding another layer of complexity. Which strategies have recently been developed to design the ultimate children's hospital? In this session: Haga Hospital in The Hague, Royal Children's Hospital in Melbourne and the Pediatric and Cardiac Hospital, University of Innsbruck.

ENAH Session: Lost in Translation Pt. 2



JUNE 3	10:00 – 11:00
LANGUAGE	EN
LOCATION	UMCG
ROOM	LOKAAL 16

Speakers: Tom Guthknecht (chair), Ruzica Bozovic-Stamenovic (University of Belgrade), Göran Lindahl (Chalmers University of Technology), Tanja Vollmer (Kopvol Architecture & Psychology)

The European Network Architecture for Health is a network of universities, research institutes and research-based architects and urbanists. Its primary mission is to promote the interaction between science and design, two fields with their own expertise, their own methods and their own tools of the trade. How scientific is architecture? To what extent are scientists able to really understand architecture and urbanism? This session covers the field of urbanism and prevention on the one hand, and healthcare architecture and the management of health crises on the other. It highlights the potential of scientific research in the range of facilities it presents, shows best practices and provides examples where things went wrong.

The End of Sitting

Healthy Ageing, Design and Daily Life



JUNE 3	10:00 – 11:00
LANGUAGE	EN
LOCATION	UMCG
ROOM	RONDE ZAAL

Speakers: Rob Withagen, Simone Caljouw (UMCG), Ronald Rietveld (RAAAF)

In the fall of 2014, RAAAF and visual artist Barbara Visser realized a temporary 'office of the future'. Inspired by a newspaper article on negative health effects of sitting behaviour, they designed an office in which the chair and the desk are no longer the starting points. Instead, their office, coined The End of Sitting, is a sculpture consisting of different surfaces inviting people to work in several non-sitting postures during the working day. In this presentation, Ronald and Erik Rietveld will first describe their office and the design process. Subsequently, Simone Caljouw and Rob Withagen will discuss their empirical study on how people use and experience this new office landscape while working.

TNO Session: Smart Housing



JUNE 3	10:00 – 11:00
LANGUAGE	EN
LOCATION	UMCG
ROOM	LOKAAL 4

Speakers: Paul Verdiel (p2link),
Muriel Dunoyer, (Vivalib), Joram
Nauta (chair)

In the last 20 years, ICT & domotica in housing for the elderly have been tried and tested, and failed to scale up or roll out on any substantial scale. Driven by technology rather than by the user's needs, a failing societal business case and a lacking support from care organizations have stopped the home from becoming a place for aging well. Developed by private entrepreneurs and tested in France, new concepts are now breaking through the barrier of silo-based, technology push solutions. Truly integrated platforms where combinations of technical performance and behaviour of a house, a person's health and social data set are accessible for those needing to access in combination with a supportive built environment are being deployed, most recently in The Netherlands.



HANNNN Symposium: EIP AHA Reference Sites

EU Innovation Partnership on Active and Healthy Ageing



JUNE 3	10:00 – 12:00
LANGUAGE	EN
LOCATION	UMCG
ROOM	LOKAAL 5

Speakers: Ana Abrunhosa (CCDRC),
Charlotte Patterson (Syddansk
Sundhedsinnovation), Edisa Osmančević
(ZOD Ljubljana), Gian Matteo Apuzzo
(AAS Triestina), Lina Hellström (Region
Skåne), Serena Angioli (Regione
Campania), Daan Bultje (chair)

Reference Sites of the European Innovation Partnership on Active and Healthy Ageing have been recognized by the European Commission as leading European regions in developing innovative practices to active and healthy ageing. In this session, you will be given the opportunity to explore the latest developments in this field by several Reference Sites representatives. What role does the built environment play in their policy to active and healthy ageing? How do they collaborate with the diverse range of stakeholders in their region? And where do you fit in? Come and find out during this session.



Caring Communities: Subjective Dimensions Pt. 2

Asian and African Perspectives



JUNE 3	10:00 – 11:00
LANGUAGE	EN
LOCATION	UMCG
ROOM	LOKAAL 9

Speakers: Terry Yat Sang Lum (University of Hong Kong), Ajay Bailey, Pazhoothundathil Nikhil, Ruben Bouwman, Sylvia Karen Rutagumirwa (RUG), Bettina van Hoven (chair), Debbie Lager (chair)

In promoting the role of design in healthy ageing it is essential to understand how places are experienced. How do we assess the subjective dimensions of places and the ways in which people use their space? In three sessions an overview is provided of geographical (health) research in which the focus is on how people experience places and how these experiences influence their well-being. Topics addressed in these sessions include participation, access to health care and age-friendly communities. In this session: building an Age-Friendly Hong Kong: Lessons learned and implications for further work in Asia; Institutional Life, Place Attachment and Home-Making: Lived Experiences of Older Adults in India and The Netherlands and the Role of Social Networks in Health Care Utilization among older adults in Tanzania.

Building the Environment of the Future

VolkerWessels Workshop



JUNE 3	10:00 – 11:00
LANGUAGE	EN
LOCATION	UMCG
ROOM	ERIBA

Speaker: Onno Dwars (VolkerWessels)

The physical environment is sick. Concentrations of particulate matter are high; there is too much traffic, deterioration and vacancy. And totally unnecessary, apparently: VolkerWessels will show that it has all the innovations in-house to build a healthy physical environment of the future. On the basis of imaginative examples in the field of energy and telecom, infra and construction, VolkerWessels will demonstrate how the physical environment of the future can become a reality. The challenge is to really improve the quality of life. In doing so, how can we help each other? Are you going to build with us?

Pedestrian Paradise: Madrid & Vienna



JUNE 3	11:00 – 12:00
LANGUAGE	EN
LOCATION	UMCG
ROOM	BLAUWE ZAAL

Speakers: Jelle Therry (West 8),
Gert-Jan Wisse (B+B)

Many European metropolises are rethinking the function of their public space. Cycling and walking are becoming the preferred ways of moving around and public space design reflects this. In this session Jelle Therry will demonstrate how his office West 8 rescued the old Manzanares river in Madrid from the suffocating grip of the highway that used to snake around it. Gert-Jan Wisse will explain how B+B transformed the famous Mariahilfer Strasse of Vienna into a pedestrian paradise. A big part of his story focusses on how they managed to get enough public support. In the beginning their ideas for redesigning the area were not popular, but gradually they received more support. An interesting example from the field.

The Architecture of Hospitals

Psychiatric Facilities



JUNE 3	11:00 – 12:00
LANGUAGE	EN
LOCATION	UMCG
ROOM	RODE ZAAL

Speakers: Christian Karlsson
(Karlsson Arkitekter), Simon
Robinson (RPP), Richard Murphy
(Richard Murphy Architects,
Christopher Shaw (chair)

During the 20th century, the emergence of modern psychiatry, developments in drug treatments and changes in social attitudes meant that much of the historic infrastructure for psychiatric care became inappropriate for modern mental healthcare. Now, most care takes place at home or in a community setting. However, there is a consensus that hospital beds are still needed and a diverse range of service models and physical settings are available in different countries. But there are common themes that influence design. The projects presented vary in scale and provide for different care groups. Still, there is wide concern for the therapeutic environment supporting healing and recovery. In this session: GAPS, New Psychiatric Hospital, Slagelse, Region Zealand, Denmark by Karlsson Arkitekter with VLA and the Old See House, Community Mental Health Centre, Belfast UK by RPP Architects with Richard Murphy Architects.

ENAH Session: Lost in Translation Pt. 3



JUNE 3	11:00 – 12:00
LANGUAGE	EN
LOCATION	UMCG
ROOM	LOKAAL 16

Speakers: Stefan Lundin (White),
Tom Guthknecht (LHtwo), Cor
Wagenaar (chair)

The European Network Architecture for Health is a network of universities, research institutes and research-based architects and urbanists. Its primary mission is to promote the interaction between science and design, two fields with their own expertise, their own methods and their own tools of the trade. How scientific is architecture? To what extent are scientists able to really understand architecture and urbanism? This session covers the field of urbanism and prevention on the one hand, and healthcare architecture and the management of health crises on the other. It highlights the potential of scientific research in the range of facilities it presents, shows best practices and provides examples where things went wrong.



Future Hospitals Presentation



JUNE 3	11:00 – 12:00
LANGUAGE	EN
LOCATION	UMCG
ROOM	RONDE ZAAL

Speaker: Ronald Rietveld (RAAAF)

The healthcare sector is changing continuously and as a consequence the requirements we need a hospital to have are changing too. New treatment methods, the ever-increasing knowledge: they both influence the way we organize our healthcare and therefore our hospitals. Hospitals are becoming smaller, smarter, quicker and above all less invasive; that seems to be their future. But there is another important issue to address. If the healthy ageing goal – two extra years for everyone – is achieved, what will this mean for our hospitals? Within this context RAAAF was asked to think about the hospital of tomorrow. Together with a solid team of advisors, from KPMG, VolkerWessels and other parties, RAAAF will take a glance into the future.



Health Utopias and the Landscape of Death and Decay



JUNE 3	11:00 – 12:00
LANGUAGE	EN
LOCATION	UMCG
ROOM	LOKAAL 4

Speaker: Martijn Duineveld (WUR)

We all want to be happy and healthy. We are all keen on condemning the modernist, communist and fascist city, but who dares argue with a healthy one? The danger of taking the desire for health for granted is the danger of embracing health as the essential imperative for planning and design. It thereby reduces the future to particular health ideologies. To explore the potential dangers of emerging health ideologies in planning and design, Martijn Duineveld will sketch and visualize a dystopian future in which the health ideology has been incorporated to the extreme. He will make us wonder if a more inclusive and diverse form of imagining the future of health is possible.

Caring Communities: Subjective Dimensions Pt. 3

Participatory Perspectives: Manchester Ageing Study



JUNE 3	11:00 – 12:00
LANGUAGE	EN
LOCATION	UMCG
ROOM	LOKAAL 9

Speakers: Elaine Unegbu, Bettina van Hoven (chair), Debbie Lager (chair)

Through partnerships with community organisations, a diverse group of 18 older residents were recruited to become co-investigators in a study exploring the age-friendliness of three wards in the city of Manchester. They were involved in the planning, design, development and implementation of the Manchester Ageing study. The purpose of the Manchester Ageing Study was to examine opportunities and constraints for older people living in urban environments with a view to improving their experience of living in the city. It builds on policy priorities in the context of Manchester City Council being an active member of the WHO Global Network of Age-Friendly Cities. Such cities are defined as encouraging 'active ageing in order to enhance quality of life as people age. Elaine Unegbu, one of the older participants, will talk about the project and her experiences as co-researcher. The presentation will be followed by a discussion.

Building the Environment of the Future

VolkerWessels Workshop



JUNE 3	11:00 – 12:00
LANGUAGE	EN
LOCATION	UMCG
ROOM	ERIBA

Speaker: Lars van der Meulen
(VolkerWessels)

The physical environment is sick. Concentrations of particulate matter are high; there is too much traffic, deterioration and vacancy. And totally unnecessary, apparently: VolkerWessels will show that it has all the innovations in-house to build a healthy physical environment of the future. On the basis of imaginative examples in the field of energy and telecom, infra and construction, VolkerWessels will demonstrate how the physical environment of the future can become a reality. The challenge is to really improve the quality of life. In doing so, how can we help each other? Are you going to build with us?

Vancouverism

The Future of the City in a Sea of Green



JUNE 3	13:00 – 13:30
LANGUAGE	EN
LOCATION	UMCG
ROOM	BLAUWE ZAAL

Speaker: Gordon Price (Simon Fraser University)

Vancouver is a compact region, with complete communities as regional centres, joined by rapid transit, surrounded by a natural landscape and an agricultural land reserve. In time, it evolved an appropriate architecture and urban design, so-called 'Vancouverism', that had a real impact on the quality and lifestyle of its citizens. Those results are now measurable in the health and activity of its residents. It is visible in the look and feel of its streets, bikeways and greenways. But at the same time, in parts of the region and on its periphery, other levels of government also pursued the infrastructure of the automobile and the post-war fabric of sprawl. Today, the conflicts are coming to a head. The Vancouver region has come to an existential moment in its history. Will Vancouver choose Vancouverism as its future, or will it fall back on a classical economic growth model?

Housing Europe Session: Housing and Health

Opportunities and Challenges in a Time of Welfare Changes



JUNE 3	13:00 – 15:00
LANGUAGE	EN
LOCATION	UMCG
ROOM	RODE ZAAL

Speakers: Tadas Leoncikas (Eurofound), Kathleen Kelly (NHF), Cedric Van Styvendael (Est Métropole Habitat), Charlotte Limousin (Delphis), Julien Dijol (chair)

The experience and evidence are clear: good housing helps us stay healthy. Warm, dry homes and access to green space have a big impact on people's well-being. However, the policies and politics of the new welfare state have led to a decreasing support for affordable housing, creating new risks for the well-being of vulnerable groups. How will the quest for more cost-effective policies impact social housing and which impact will it have on the health of residents? How can new synergies be created between the different sectors despite the difficult context? A mix of practitioners and policy makers from national and EU levels will tackle these questions. It is part of Housing Europe's campaign Housing for All.



Health in Spatial Planning

GGD GHOR Symposium: A Clear and Simple Message?



JUNE 3	13:00 – 15:00
LANGUAGE	DUTCH EN
LOCATION	UMCG
ROOM	LOKAAL 16

Speakers: Hans Jansen (GGD Haaglanden), Josine van den Bogaard (GGD Rotterdam-Rijnmond)

In the Netherlands, a new law is being prepared: the Environmental Planning Act. It aims to integrate regulation of human activities with an effect on the physical environment, hoping to make it safer, healthier and of better quality. Public health is an important issue in this respect. What does this mean in the practice of spatial planning? All local and regional authorities will be required to draft environmental planning strategies. The joint regional Health Authorities, responsible for Dutch public health, will present their 'public health message' draft, meant to be adapted by all parties involved. Did we identify the major issues or did we miss an crucial aspect? We would welcome a diverse international audience.



Serious Gaming

RIVM Session: Building a Healthy City Together



JUNE 3	13:00 -15:00
LANGUAGE	DUTCH
LOCATION	UMCG
ROOM	LOKAAL 4

Speakers: Frank den Hertog, Johan Melse (RIVM), Jan Jansen (BOJAN Advies), Sarah Pos (GGD GHOR)

Making the city healthier requires good cooperation between different domains. In addition to the experts on city planning and health, we need to listen to the city's residents, to schools, private parties, health and welfare organisations, and youth and sports clubs. In order to prepare for this difficult task, we designed a serious game, called 'In2Action'. All relevant 'players' are brought together in the game, so they can co-work on solutions for problems occurring when working towards a healthier city. The game is set in the fictional municipality of Struinen but generates knowledge that is very useful in the real world.

The Missing Link?

Regions and Their Potential to Scale Up EIT Health Innovations



JUNE 3	13:00 -15:00
LANGUAGE	EN
LOCATION	UMCG
ROOM	LOKAAL 5

Speakers: Sylvie Bove (CEO EIT Health), Josine van 't Klooster (UMCG), Govert Buijs (chair)

EIT Health is one of the largest healthcare initiatives worldwide. Its mission is to accelerate entrepreneurship and innovation in healthy living and active ageing, providing Europe's top talents with new opportunities and resources for the benefit of all citizens. Its CEO, Sylvie Bove, will host this workshop in which the potential for European regions within EIT Health will be explored. Presentations from companies and regions on why they joined EIT Health will be followed by a hands-on session aiming to establish concrete collaborations between EIT Health and the workshop's participants. If you want to explore ways in which your region could benefit from a collaboration with(in) EIT Health, please make sure to attend.

AFFR BTFOH Movie Theatre

A Special BTFOH Film Selection from the AFFR Archives



JUNE 3	13:00 – 15:00
LANGUAGE	EN
LOCATION	UMCG
ROOM	LOKAAL 9

At present, more people live in cities than in rural areas around the world, and that number is still climbing. 54% of the world's population lives in urban areas, but by 2050, the urban population is expected to rise to 62% in Africa, to 65% in Asia, and to 90% in Latin America. The Friday Shorts focus on the individual: how do you find your way in the mass of people. Our titles for Friday: Super Unit (2014), A Tomb with a View (2014), A2 – leven langs de snelweg (2012), Growing Home (2014), Next21: An Experiment (2008) 0:30 and P (E) (2013). The films will be shown continuously for the duration of the session so you can walk in and out at your convenience.

Pulse, Data & City: GeoGroningen



JUNE 3	13:00 – 15:00
LANGUAGE	EN
LOCATION	ERIBA
ROOM	AUDITORIUM

Speakers: Harald Moser, Michael Badics (Ars Electronica Center)

In which neighbourhood in Groningen do the inhabitants bike the most? And does this impact their overall health? These questions are explored by GeoGroningen, an interactive visual databank inviting Groningen's citizens to get to know their city and more specifically, their city's health. A pilot version of the installation has been developed. This first draft combines all types of existing data focussing on health. Reflecting themes most relevant to Groningen, GeoGroningen lets the user discover the city with ease. It will offer an interactive and playful way to remap and discover unexpected relationships between different aspects of health in Groningen. In this exclusive preview, Michael Badics and Harald Moser will demonstrate the pilot version. Discover the endless possibilities of this interactive installation and discuss future prospects for using and visualizing data.

The New York Health Offensive



JUNE 3	13:30 – 14:00
LANGUAGE	EN
LOCATION	UMCG
ROOM	BLAUWE ZAAL

Speaker: Yianice Hernandez
(New York Department of Health and Mental Hygiene)

For years, cycling through New York was a risky business. You had to be some kind of fanatic, or a bike messenger, to plunge yourself into the currents of traffic. Within the last ten years, much has changed. The city council has implemented bike paths and created public parks on both sides of the east river as part of a general programme to create a friendlier and healthier environment. One could argue that some bike paths are merely an extra coat of green paint on the motorway, but still, one should consider the mentality change that city hall has gone through. It's a revolution towards a healthier and friendlier city.

Age Friendly Cities

How to Establish Real Change



JUNE 3	14:00 – 14:30
LANGUAGE	EN
LOCATION	UMCG
ROOM	BLAUWE ZAAL

Speaker: Hugh O'Connor
(Age Friendly Ireland)

This presentation will show how Age-Friendly Cities and Countries are creating opportunities to establish a broad range of housing options and built environments suiting the needs of the elderly and enabling them to stay independent for as long as possible. Local knowledge is now leading to the development of many practical, albeit innovative activities, solutions and outcomes that can advance Ireland's 'age friendliness'. By collectively committing to contribute towards a European exchange of successful experiences and replicable models, we will all be better placed to support the development of the above-mentioned activities, solutions and outcomes which can advance Ireland's 'age friendliness'.

End of Traffic: Future of Transport

Cycling's Potential and the Future Urban Environment



JUNE 3	14:30 – 15:00
LANGUAGE	EN
LOCATION	UMCG
ROOM	BLAUWE ZAAL

Speaker: Kevin Krizek
(University of Colorado Boulder)

Given recent technological advances, combined with trends towards less personal travel, a transport future in urban environments is unfolding that is dramatically different from what most governments and industry trade groups have been planning for. To prepare for this change, cities and states need to start gracefully abandoning excess lanes, converting the space to serve changing needs and preferences. In these discussions, bicycling's role is uncertain and sometimes problematic. What is known about cycling's potential and path forward? What elements of cycling's case have more traction as transport infrastructure struggles to reinvent itself?

Building and Thinking at Healthy Scales

Architectural Design and Neighbourhood Design



JUNE 3	15:30 – 16:30
LANGUAGE	EN
LOCATION	UMCG
ROOM	BLAUWE ZAAL

Speakers: Hilary Sample,
Andrew Rundle
(Columbia University)

The fear for a Sars-like pandemic became evident with the recent Ebola outbreak. The panic is possibly a bigger threat than the outbreak itself. Architect/designer Hilary Sample studied the effects of SARS in Toronto and concluded that most urban environments are not fit to deal with major pandemics. How can we prevent urban pathologies from occurring in urban environments? Next, Andrew Rundle, epidemiologist at Columbia University NYC, will describe how urban design and built environments influence residents use of their neighbourhoods and their overall engagement in physical activity. He will also talk about ongoing efforts to translate and disseminate public health research to the architecture and planning professions.

Traffic Safety in a Healthy City



JUNE 3	15:30 – 16:30
LANGUAGE	DUTCH
LOCATION	UMCG
ROOM	LOKAAL 5

Speaker: Jaap Kamminga
(Fietsersbond)

Traffic safety, moving, healthy cities, air quality: how are they related and how can they be used in order to improve the traffic situation, make the city more vibrant and help develop a growing economy?

NVTL Workshop: Common Sense Solutions

Public Space as an Integration Framework for Health



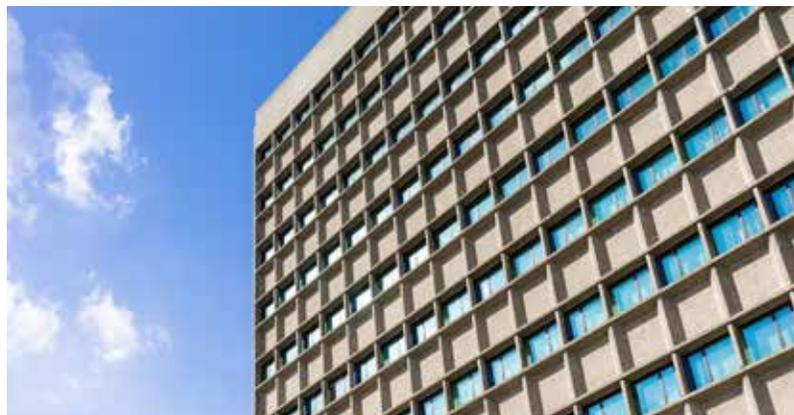
JUNE 3	15:30 – 17:30
LANGUAGE	DUTCH
LOCATION	UMCG
ROOM	LOKAAL 4

Speakers: Hans Dekker (HD
Landschapsarchitectuur), Jelle
Bennema (Delta Vormgroep),
Jan Janse (Staatsbosbeheer, Mathijs
Dijkstra (MD Landschap)

A well-designed public space offers big chances for a healthier life style, but it can help tackle other health-related issues (environment, climate, social and economical dimensions) too. Therefore, we need to start looking at public space as an integration context for health, both in spatial and process terms. It can be developed for specific programmes and target populations and cross-overs between different stakeholders can be organized. Through mediation, planners can establish a much better integration of policy areas. In this workshop, the Dutch society of garden and landscape architects (NVTL) will explore its consequences and will look for unexpected solutions and coalitions that may be more obvious than might be expected.

The Architecture of Hospitals

Health Support Centres: Environments for Patient and Family Support



JUNE 3	15:30 – 16:30
LANGUAGE	EN
LOCATION	UMCG
ROOM	RODE ZAAL

Speakers: Simona Agger (chair), Morten Rask Gregersen (NORD), Tue Foged (EFFEKT), Andrew Anderson (Maggie's UK)

Traditional hospitals often struggle to provide specialized environments for some patient categories. Particularly cancer patients have been singled out as a category in need of special care. The small-scale facilities presented here make the most of architecture's potential: they offer various types of support, accommodate professionals assisting patients in tackling practical problems, but perhaps their most important role is to provide information. However, should these qualities not be essential in hospital architecture? In this session: Cancer Counseling Center in Livrsum (Denmark) by EFFEKT, the Healthcare Center for Cancer Patients in Copenhagen (Denmark) by NORD architects and the Maggie's Centres.

Health Moves Amsterdam!

How to Become One of the Healthiest Cities in Europe



JUNE 3	15:30 – 16:30
LANGUAGE	EN
LOCATION	UMCG
ROOM	LOKAAL 16

Speakers: Henriette Rombouts, Elvira Vreeswijk, Arnoud Verhoeff (gemeente Amsterdam, GGD)

Amsterdam, the capital of the Netherlands, has the ambition of becoming one of the most healthy cities in Europe. To reach this goal the city launched three major integral programmes: 1) the Amsterdam Programme on Healthy Weight, 2) Amsterdam Moving City and 3) Amsterdam as Age-friendly City. In this session, these programmes – and their interrelationships – will be presented and discussed.

IenM Workshop Smart and Healthy Cities

Presentation of Results



JUNE 3	14:00 - 15:00
LANGUAGE	DUTCH EN
LOCATION	UMCG
ROOM	RONDE ZAAL

What causes you to feel 'at home' in the city? How can 'healthy living' in the city be stimulated? How can good accessibility of the city be combined with its recreational aspects? Three interdisciplinary teams worked on these issues along three cases related to challenges of ever-growing cities. In this session they will present their final results.

AFFR BTFOH Movie Theatre

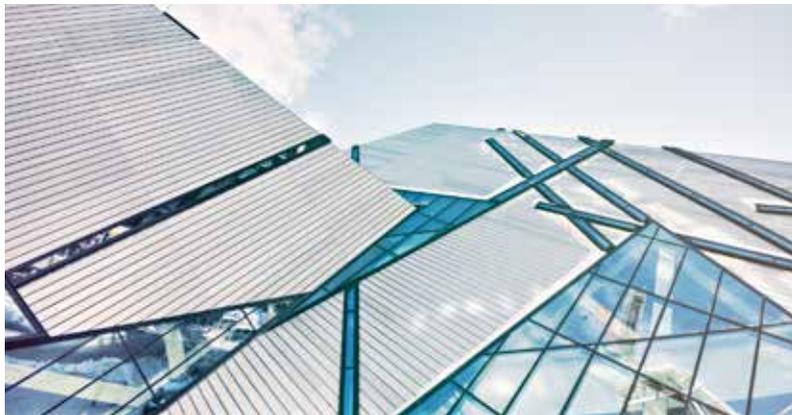
A Special BTFOH Film Selection from the AFFR Archives



JUNE 3	15:30 - 17:30
LANGUAGE	EN
LOCATION	UMCG
ROOM	LOKAAL 9

At present, more people live in cities than in rural areas around the world, and that number is still climbing. 54% of the world's population lives in urban areas, but by 2050, the urban population is expected to rise to 62% in Africa, to 65% in Asia, and to 90% in Latin America. The Friday Shorts focus on the individual: how do you find your way in the mass of people. Our titles for Friday: Super Unit (2014), A Tomb with a View (2014), A2 - leven langs de snelweg (2012), Growing Home (2014), Next21: An Experiment (2008) 0:30 and P (E) (2013). The films will be shown continuously for the duration of the session so you can walk in and out at your convenience.

IABR Project Atelier Healthy Cities



<u>JUNE 3</u>	<u>15:30 – 17:30</u>
<u>LANGUAGE</u>	<u>NL</u>
<u>LOCATION</u>	<u>ERIBA</u>
<u>ROOM</u>	<u>AUDITORIUM</u>

Speakers: Wouter Veldhuis (MUST),
Joachim Declerck (Architecture
Workroom Brussels), Paul Vermeulen
(De Smet Vermeulen architecten)

For years, Utrecht has been pushing the political agenda of the 'Healthy City'. Although we like to think that there is no underclass, big differences occur between neighbourhoods. Low-educated, socially isolated groups seem to live in the same neighbourhoods. Changes in the health sector and the growing attention for healthy urbanism resulted in various initiatives by market-parties and residents, investing in the healthy city. The IABR-project atelier investigates how they are used, aiming to formulate development principles, also relevant for other cities. Ateliermaster Joachim Declerck (Architecture Workroom Brussels), Paul Vermeulen (DeSmetVermeulen architecten) and Wouter Veldhuis (MUST stedenbouw) will present its results.

Community Health Diagnosis

A Case Study in an Informal Community in Rio de Janeiro



<u>JUNE 3</u>	<u>16:30 – 17:30</u>
<u>LANGUAGE</u>	<u>EN</u>
<u>LOCATION</u>	<u>UMCG</u>
<u>ROOM</u>	<u>BLAUWE ZAAL</u>

Speaker: Gina Lovassi
(Columbia University)

In order to make the environment more health-supportive, this investigation took up the challenge of viewing an entire urban community as a 'patient' in need of diagnosis and treatment. Attention was being paid to human and street-level perspectives. 104 adults were interviewed and tracked by a GPS logger, and had to provide saliva and household water samples to be tested for microbial presence and physical-chemical properties. Recommendations for sanitation, transportation, commercial, medical care and the housing sector were prioritized to support a substantial return on investment. Lessons on the feasibility of adapting research methods from settings like New York City to informal communities will be shared.

Structural Hygiene: Making Hospitals Safe

The Safe and Antibiotic-Resistant Hospital



JUNE 3	16:30 – 17:30
LANGUAGE	EN
LOCATION	UMCG
ROOM	RODE ZAAL

Speakers: Alex Friedrich (chair)
Lisette van Gemert (University of
Twente), Wolfgang Sunder (TU
Braunschweig)

Big Data are the key towards personalized medicine and healthcare. This confronts us with new challenges. What are the hopes, challenges and dangers for using Big Data to develop personalized and persuasive systems to improve safe and self-care? The use of Big Data for analysis and decision making requires a change of thought from knowing “why” to knowing “what”. As a result, we will obtain and apply new insights that we did not have before. Insights that can not only be lifesaving, but that can also open the door towards more personalized medicine to tailor medical decisions, medications and/or products to the individual’s personal profile instead of to what is best for a group of patients. In this presentation I will highlight a paradigm shift in using Big Data to support Mobility and health related issues that threaten safe care (global health; infections/resistance).

Health@BK Session



JUNE 3	16:30 – 17:30
LANGUAGE	EN
LOCATION	UMCG
ROOM	LOKAAL 16

Speakers: Chunyang Zhang (South
China University of Technology),
Luc Willekens, Arjen Meijer, Cor
Wagenaar, Philomena Bluysens,
Clarine van Oel, TU Delft), Bas van
Eindhoven (chair)

Promoting research and education projects in healthcare at the Faculty of the Architecture and the Built Environment, the Health@BK platform is a cross-over initiative promoting and facilitating intense cooperation between all departments. It stimulates multidisciplinary research into the complex relationships between the built environment, health and active ageing and explores the opportunities of Evidence-Based Design. Its health-related activities cover a wide range of topics. Even so, the various approaches to these topics have a lot in common: they combine the analysis of the built environment with studies on the health effects on people working, living, or in the case of healthcare buildings, being treated there.

Bicycling Through the City

The Brain, the Body, the Bicycle and the Environment



JUNE 3	16:30 - 17:30
LANGUAGE	EN
LOCATION	UMCG
ROOM	RONDE ZAAL

Speaker: Bert Otten (RUG)

Using a bicycle as a means of transportation in complex environments like, for example, the city, poses great demands on both brain and body, especially those of ageing citizens. Understanding bicycling can be helpful in organizing and designing the environment in order to make it safer and more effective. In doing so, we need to analyze how movements are made automatically, how visual information is being used, and how unexpected events are tackled. Knowledge drawn from different fields of human movement sciences will be put forward to clarify the subject.

Presentation IenM Workshop Smart and Healthy Cities

Final Presentation + BTFOH Conclusion



JUNE 3	17:30 - 18:00
LANGUAGE	DUTCH EN
LOCATION	UMCG
ROOM	BLAUWE ZAAL

What causes you to feel 'at home' in the city? How to stimulate 'healthy living' within in the city? How to combine good accessibility of the city with recreational aspects of the city? Three interdisciplinary teams worked on these issues along three cases related to challenges of ever-growing cities. In this session they will present their final results.

Speakers

S	S	S
R	D	R
E	E	E
K	A	K
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E	E	E
D	R	D
S	S	S

MIKKO AALTONEN

DEPUTY MAYOR OF TAMPERE



speaks at:
Age Platform WHO Session

SYLVESTER ADEMA

ADEMA ARCHITECTEN



speaks at:
ZIF Session Pt. 1

HARRY ABELS

IAA ARCHITECTEN



speaks at:
Recent Dutch Hospital Architecture
Pt. 1

SIMONA AGGER

EUHPN



speaks at:
The Architecture of Hospitals Health
Support Centers

ANA ABRUNHOSA

CCDRC



speaks at:
HANNN Symposium: EIP AHA
Reference Sites

ANDRE ALEMAN

UNIVERSITY MEDICAL CENTER GRONINGEN



speaks at:
Healthy Ageing: A User's Guide —
Medical Technology: Far Horizons

MAURITS ALGRA

DE JONG GORTEMAKER ALGRA



speaks at:
Recent Dutch Hospital Architecture
Pt. 1

ANDREW ANDERSON

MAGGIE'S CENTRE



speaks at:
The Architecture of Hospitals Health
Support Centers

FLORIS ALKEMADE

RIJKSBOUWMEESTER



speaks at:
Who Cares?

SERENA ANGIOLI

REGIONE CAMPANIA



speaks at:
HANNN Symposium: EIP AHA
Reference Sites

JACQUES ALLEGRO

STADSDORP ZUID



speaks at:
Aedes-ActiZ Symposium: Flex in the
City

GIAN MATTEO APUZZO

AAS TRIESTINA



speaks at:
Embedded Symposium: EIP AHA

LILITH VAN ASSEM

LILITH RONNER VAN HOOIJDONK



speaks at:
The Healthy City: Research and
Design Pt. 4

STEPHAN BAKKER

UNIVERSITY MEDICAL CENTER GRONINGEN



speaks at:
Healthy Ageing: A User's Guide The
Impact of Genetics

SANDRA VAN ASSEN

SANDRA VAN ASSEN STEDENBOUW



speaks at:
Healthy Living Lab Dokkum

KARIN BAMMANN

UNIVERSITÄT BREMEN



speaks at:
Caring Communities Pt. 1

MICHAEL BADICS

ARS ELECTRONICA CENTER LINZ



speaks at:
Pulse, Data & City: GeoGroningen

ANICEE BAUER

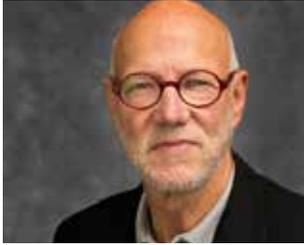
D/DOCK



speaks at:
Recent Dutch Hospital Architecture
Pt. 2

HANS VAN BEEK

ATELIER PRO



speaks at:
Recent Dutch Hospital Architecture
Pt. 2

STEFAN BENDIKS

ARTGINEERING



speaks at:
The Healthy City: Research and
Design Pt. 2

JOOP DE BEER

NIDI



speaks at:
Building Blocks of Healthy Ageing

JELLE BENNEMA

DELTA VORMGROEP



speaks at:
NVTL workshop

JOOP BELDEROK

ZORGCOÖPERATIE LOPPERSUM



speaks at:
Self Management in Care

MAGDALENA VAN DEN BERG

VU UNIVERSITY MEDICAL CENTER



speaks at:
Fresh Research Session

FLOOR VAN DEN BERGH

BURO BERGH



speaks at:
The StraaD

MATEJ BLAZEK

LOUGHBOROUGH UNIVERSITY



speaks at:
Research on Neighbourhood Care
Pt. 1

MARTIN BIEWENGA

WEST 8 URBAN DESIGN & LANDSCAPE ARCHITECTURE



speaks at:
Building Blocks of Healthy Ageing

JAN BLEEKER

GGD FRYSLAN



speaks at:
Healthy Living Lab Dokkum

MARTHE BIEZEN

STUDIO MARTHE BIEZEN



speaks at:
Design & Dementia

CLAUDIA BLOOM

EUHPN



speaks at:
The Architecture of Hospitals
Community Hospitals Pt. 2

JOSINE VAN DEN BOGAARD

GGD ROTTERDAM-RIJNMOND



speaks at:
GGD GHOR Session

AD DE BONT

TU EINDHOVEN



speaks at:
RIVM Session: Facts, Figures and new
Understandings

FLORIS BOOGAARD

NOORDERRUIMTE | HANZE UNIVERSITY OF APPLIED SCIENCES



speaks at:
Climate Session

SYLVIE BOVE

EIT HEALTH



speaks at:
The Missing Link?

RUZICA BOZOVIC- STAMENOVIC

UNIVERSITY OF BELGRADE



speaks at:
ENAH session: Lost in Translation
Pt. 2

LEENDERT VAN BREE

PBL NETHERLANDS ENVIRONMENTAL ASSESSMENT AGENCY



speaks at:
PBL Session: Healthy Urban Living
Pt. 1 + 2

HENK W. BRINK

NOORDERRUIMTE | HANZE UNIVERSITY OF APPLIED SCIENCES



speaks at:
Healthy Workspace

ELLES BULDER

HANZE UNIVERSITY OF APPLIED SCIENCES



speaks at:
Health and Demographic Decline
Pt. 1 + 2

DIEUWKE BROEKSTRA

UNIVERSITY OF GRONINGEN



speaks at:
Man Made Blue Zone

HESTER VAN BUREN

ROCHDALE



speaks at:
Aedes-ActiZ: Flex in the City

ALP BUITELAAR

MEDISCH SPECTRUM TWENTE



speaks at:
Recent Dutch Hospital Architecture
Pt. 1

FRANK BURGER

A/D AMSTEL ARCHITECTEN



speaks at:
Recent Dutch Hospital Architecture
Pt. 1

ERIK BUSKENS

UNIVERSITY MEDICAL CENTER GRONINGEN



speaks at:
Healthy Ageing: A User's Guide

JOHN COLE

UNIVERSITY OF BELFAST



speaks at:
The Architecture of Hospitals
Community Hospitals

SIMONE CALJOUW

UNIVERSITY MEDICAL CENTER GRONINGEN



speaks at:
The End of Sitting

CARINA DANTAS

CARITAS COIMBRA



speaks at:
AGE Platform WHO Session: Towards
An Age-Friendly EU

MARC CALON

AEDES



speaks at:
Aedes-ActiZ: Flex in the City

MARIANNE DAVIDSON

VOLKERWESSELS



speaks at:
VolkerWessels Workshop Building
Care and Cure

SOPHIA DE ROOIJ

UNIVERSITY MEDICAL CENTER GRONINGEN



speaks at:
The Pace of Ageing

HANS DEKKER

HD LANDSCHAPSARCHITECTUUR



speaks at:
NVTL workshop

JOACHIM DECLERCK

ARCHITECTURE WORKROOM BRUSSELS



speaks at:
IABR Session

MARIO DEPUTTER

ATELIER VLAAMS BOUWMEESTER



speaks at:
Pilot Project Integrated Care

PETER DEFESCHE

OD 205 ARCHITECTUUR



speaks at:
Recent Dutch Hospital Architecture
Pt. 2

THEO DEUTINGER

TD ARCHITECTS



speaks at:
IenM Workshop Smart and Healthy
Cities

STEFAN DEVOLDERE

VLAAMS BOUWMEESTER



speaks at:
Pilot Project Integrated Care

MATHIJS DIJKSTRA

MD LANDSCHAPSARCHITECTEN



speaks at:
The Healthy City: Research
and Design Pt. 1, NVTL Workshop,
Healthy Living Lab Dokkum

HAN DIJK

POSAD URBAN STRATEGIES



speaks at:
The Healthy City: Research
and Design Pt. 1

RIENTS DIJKSTRA

CRA



speaks at:
The Healthy City: Research
and Design Pt. 1 + 2

HANNA VAN DIJK

ERASMUS UNIVERSITY ROTTERDAM



speaks at:
Fresh Research Session

MARTIN DIJST

UTRECHT UNIVERSITY



speaks at:
PBL Session: Healthy Urban Living
Pt. 1

INGRID DOORTEN

RVS COUNCIL FOR HEALTH AND SOCIETY



speaks at:
PBL session: Healthy Urban Living
Pt. 2

ONNO DWARS

VOLKERWESSELS



speaks at:
VolkerWessels Workshop: Building
The Environment of The Future Pt. 2

MARTIJN DUINEVELD

WAGENINGEN UNIVERSITY



speaks at:
Health Utopias and the Landscape
of Death and Decay

BART VAN EIJK

VOLKERWESSELS



speaks at:
VolkerWessels Workshop: Building
Care and Cure

MURIEL DUNOYER

VIVALIB



speaks at:
TNO Session: Smart Housing

BAS VAN EIJNDHOVEN

4BUILDING



speaks at:
Health @ BK Session

JORDI ELINGS

DIAKONESSENHUIS UTRECHT



speaks at:
The Architecture of Hospitals:
Reactivate!

FEMKE FEENSTRA

DJGA ARCHITECTS



speaks at:
The Architecture of Hospitals:
Reactivate!

PEPIJN VAN EMPELEN

TNO INNOVATION FOR LIFE



speaks at:
TNO Session: Grip on Personal Health

BEN FERINGA

UNIVERSITY OF GRONINGEN



speaks at:
Healthy Ageing: A User's Guide —
Medical Technology: Far Horizons

JONATHAN ERSKINE

EUHPN | DURHAM UNIVERSITY



speaks at:
The Architecture of Hospitals

TUE FOGED

EFFEKT



speaks at:
The Architecture of Hospitals: Health
Support Centers

LUDE FRANKE

UNIVERSITY MEDICAL CENTER GRONINGEN



speaks at:
Healthy Ageing: A User's Guide —
The Impact of Genetics and
Personalized Medicine

LISETTE VAN GEMERT

UNIVERSITY OF TWENTE



speaks at:
Structural Hygiene: Making
Hospitals Safe

ALEX W. FRIEDRICH

UNIVERSITY MEDICAL CENTER GRONINGEN



speaks at:
Structural Hygiene: Making
Hospitals Safe

BORIS VAN DER GIJP

SYNTRUS ACHMEA REAL ESTATE & FINANCE



speaks at:
Health Care Real Estate in its Infancy

RODINA FOURNELL

BOLLEBOOS | BURO STEK



speaks at:
Countryside Idyll

PIETER GRAAFF

VELDACADEMIE



speaks at:
Longer at Home because of the
Nursing Room

MARCUS GRANT

BRISTOL HEALTH PARTNERS



speaks at:
ENAH session: Lost in Translation
Pt. 1

FRANS GREVEN

GGD GRONINGEN



speaks at:
Climate Session: Beat the Heat

GEOFF GREEN

SHEFFIELD HALLAM UNIVERSITY



speaks at:
Age Platform WHO Session

TOM GUTHKNECHT

ETH-ZÜRICH



speaks at:
ENAH session: Lost in Translation
Pt. 2 + 3

MORTEN RASK GREGERSEN

NORD ARCHITECTS



speaks at:
The Architecture of Hospitals: Health
Support Centers

ERZSI DE HAAN

NOORDERRUIMTE | HANZE UNIVERSITY OF APPLIED SCIENCES



speaks at:
Health and Demographic Decline Pt. 2

WILLEMINEKE HAMMER

EGM ARCHITECTEN



speaks at:
Recent Dutch Hospital Architecture
Pt. 1

LIESBETH VAN HEEL

ERASMUS MC



speaks at:
Recent Dutch Hospital Architecture
Pt. 1

PIM VAN DER HARST

UNIVERSITY MEDICAL CENTER GRONINGEN



speaks at:
Healthy Ageing: A User's Guide —
The Impact of Genetics and
Personalized Medicine

STEVEN VAN DER HEIJDEN

KOEN VAN VELSEN ARCHITECTEN



speaks at:
Recent Dutch Hospital Architecture
Pt. 2, Community Hospitals Pt. 2

MARIANNE VAN DER HARTEN

DE NOORDERBRUG



speaks at:
ZIF Session: New Initiatives in Care
Pt. 1

BART HEINZ

GEMEENTE SCHIEDAM



speaks at:
TNO Session: Models for
a Healthy City

LINA HELLSTRÖM

REGION SKÅNE



speaks at:
HANNN Symposium: EIP AHA
Reference Sites

MILEE HERWEIJER

OP TEN NOORT BLIJDENSTEIN



speaks at:
Recent Dutch Hospital Architecture
Pt. 1+ 2

YIANICE HERNANDEZ

NEW YORK DEPARTMENT OF HEALTH AND MENTAL HYGIENE



speaks at:
The New York Health Offensive

ANNE HILDERINK

SINTJAN KLOOSTERBUREN



speaks at:
ZIF Workshop: New Initiatives in Care
Pt. 2

FRANK DEN HERTOOG

RIVM



speaks at:
Serious Gaming

MENNO HINKEMA

TNO INNOVATION FOR LIFE



speaks at:
The Architecture of Hospitals:
Reactivate!, Age Platform WHO
Session

JAN GERARD HOENDERVANGER

NOORDERRUIMTE | HANZE UNIVERSITY OF APPLIED SCIENCES



speaks at:
NoorderRuimte Session:
Healthy Workspace

INA HOLTROP

STENDEN UNIVERSITY OF APPLIED SCIENCES



speaks at:
The First Man Made Blue Zone

HANS HOFSTRAAT

PHILIPS



speaks at:
The Future of Care

FURIO HONSELL

MAYOR UDINE



speaks at:
AGE Platform WHO Session:
Towards An Age-Friendly EU

GUUS DE HOLLANDER

PBL NETHERLANDS ENVIRONMENTAL ASSESSMENT AGENCY



speaks at:
PBL Session: Healthy Urban Living
Pt. 1

PIETER HOOIMEIJER

UTRECHT UNIVERSITY



speaks at:
Healthy Ageing: A User's Guide

BETTINA VAN HOVEN

UNIVERSITY OF GRONINGEN



speaks at:
Caring Communities
Pt. 1+2+3

MICHAEL INNERARITY

BEHNISCH ARCHITEKTEN



speaks at:
The Architecture of Hospitals High
End Medical Pt. 1

MACHTELD HUBER

INSTITUTE FOR POSITIVE HEALTH



speaks at:
Positive Health

JAN JANSE

STAATSBOSBEHEER



speaks at:
NVTL workshop

MANFRED HUBER

WORLD HEALTH ORGANIZATION



speaks at:
AGE Platform WHO Session:
Towards An Age-Friendly EU

HANS JANSEN

GGD HAAGLANDEN



speaks at:
GGD GHOR Session

JAN JANSEN

BOJAN ADVIES



speaks at:
Serious Gaming

LAURA LYNN JANSEN

LAURA LYNN JANSEN STUDIO VOOR VORGEVING



speaks at:
Design & Dementia

RICHARD JANSEN

MEDTRONIC



speaks at:
Healthy Ageing: A User's Guide —
Innovations From the Healthcare
Industry

KARIN KALVERBOER

ZORG INNOVATIE FORUM



speaks at:
ZIF sessie: New Initiatives in Care Pt.
1+2

GEORGE DE KAM

RADBOUD UNIVERSITY



speaks at:
Flex in the City, ZonMw Session

JAAP KAMMINGA

FIETSERSBOND



speaks at:
Traffic Safety

IRENE VAN KAMP

RIVM



speaks at:
RIVM Session: Facts, Figures

KATHLEEN KELLY

NHF | NATIONAL HOUSING FEDERATION



speaks at:
Housing Europe Session:
Housing and Health

LASSE KANNAS

UNIVERSITY OF JYVÄSKYLÄ



speaks at:
Building Blocks of Healthy Ageing

INGE KERSTEN

H+N+S LANDSCAPE ARCHITECTS



speaks at:
WUR Session: Serious Landscaping

CHRISTIAN KARLSSON

KARLSSON ARKITEKTER



speaks at:
The Architecture of Hospitals:
Psychiatric Facilities

EVA KIBELE

UNIVERSITY OF GRONINGEN



speaks at:
ZonMw Session: Expanding
Knowledge; Challenging Future?

MORIKO KIRA

MORIKO KIRA ARCHITECT



speaks at:
ZIF Workshop: New Initiatives in Care
Pt. 2

PATRICK VAN DER KLOOSTER

AIR ROTTERDAM



speaks at:
Longer at Home Because of the
Nursing Home

JOCHEM KLOMPMAKER

RIVM



speaks at:
Fresh Research Session

ANDRE KNOTTNERUS

WRR SCIENTIFIC COUNCIL FOR GOVERNMENT POLICY



speaks at:
Healthy Ageing as Objective and
Challenge

JOSINE VAN 'T KLOOSTER

UMCG HEALTHY AGEING TEAM



speaks at:
The Missing Link?

VINCENT KOMPIER

TEXTOUR



speaks at:
Sport in the City

STIJN KOOLE

BOSCH SLABBERS



speaks at:
The StraaD: The Street for
a Better City Climate

DAAN KROMHOUT

UNIVERSITY MEDICAL CENTER GRONINGEN



speaks at:
Healthy Ageing: A User's Guide —
Prospects on Food

DORTE KRISTENSEN

ATELIER PRO



speaks at:
PBL session: Healthy Urban Living
Pt. 2

HANNEKE KRUIZE

RIVM



speaks at:
RIVM Session:

KEVIN KRIZEK

UNIVERSITY OF COLORADO BOULDER



speaks at:
End of Traffic, Future of Transport

KARINA KUPERUS

KPMG



speaks at:
KPMG Session

RENÉ KURAL

KADK



speaks at:
Sport in the City

IRMA LANGERAERT

ZORGOBLIGATIE.NL



speaks at:
Aedes-ActiZ Symposium:
Flex in the City

HENNY VAN LAARHOVEN

ORBIS MEDISCH CENTRUM



speaks at:
Recent Dutch Hospital Architecture
Pt. 1

JAN LATTEN

UNIVERSITY OF AMSTERDAM



speaks at:
Aedes-Actiz Symposium Flex in the
City

DEBBIE LAGER

UNIVERSITY OF GRONINGEN



speaks at:
Workshop ZonMw, Caring
Communities 1+2+3

ED LENTING

VOLKERWESSELS



speaks at:
VolkerWessels Workshop Building
Care and Cure

SANDA LENZHOLZER

WAGENINGEN UNIVERSITY



speaks at:
Climate Session Beat the Heat

BAS LIESKER

HEREN 5 ARCHITECTEN



speaks at:
Aedes-Actiz: Flex in the City

TADAS LEONCIKAS

EUROFOUND



speaks at:
Housing Europe: Housing and Health

HALEWIJN LIEVENS

NU ARCHITECTUURATELIER



speaks at:
Pilot Project Integrated Care

ALEX LETTEBOER

ATELIER PRO



speaks at:
Healthy City: Research & Design Pt. 2

CHARLOTTE LIMOUSIN

DELPHIS



speaks at:
Housing Europe: Housing and Health

GÖRAN LINDAHL

CHALMERS UNIVERSITY OF TECHNOLOGY



speaks at:
ENAH session: Lost in Translation
Pt. 2

TERRY YAT SANG LUM

UNIVERSITY OF HONG KONG



speaks at:
Caring Communities Pt. 2

HANS LOOIJEN

HET DOLHUYNS MUSEUM VAN DE GEEST



speaks at:
A Blind Spot

STEFAN LUNDIN

CHALMERS UNIVERSITY OF TECHNOLOGY



speaks at:
ENAH session: Lost in Translation
Pt. 3

GINA LOVASI

COLUMBIA UNIVERSITY



speaks at:
Community Health Diagnosis

JOHAN MACKENBACH

ERASMUS MC



speaks at:
Health Inequalities

IDA VAN MARION

ZUIDOOSTZORG - SÛNENZ



speaks at:
ZIF Session Pt. 1

JOS MEIJERS

TOENTJE



speaks at:
Man Made Blue Zone

PHILIP MCCANN

UNIVERSITY OF GRONINGEN



speaks at:
Healthy Ageing: A User's Guide
Behaviour, Social Context

RIANNE MELIK

RADBOUD UNIVERSITY



speaks at:
ZonMw Session

REIMAR VON MEDING

KAW



speaks at:
The Healthy City: Reserach and
Design Pt. 4

JOSÉ MARÍA DE MENDOZA

ENTRESITIO



speaks at:
The Architecture of Hospitals:
Community Hospitals Pt. 1

FRANCESCO MESSORI

D/DOCK



speaks at:
Recent Dutch Hospital Architecture
Pt. 2

CHRISTINE MILLIGAN

LANCASTER UNIVERSITY



speaks at:
Caring Communities Pt. 1

LARS VAN DER MEULEN

VOLKERWESSELS



speaks at:
VolkerWessels Workshop Pt. 1

MARK MOBACH

HANZE UNIVERSITY OF APPLIED SCIENCES



speaks at:
Healthy Ageing: A User's Guide
Behaviour, Social Context

ROBERTO MEYER

MVSA ARCHITECTS



speaks at:
The Architecture of Hospitals:
Children's Hospitals

GUUS VAN MONTFORT

AEDES ACTIZ KENNISCENTRUM WONEN-ZORG



speaks at:
Aedes Actiz: Flex in the City

HARALD MOSER

ARS ELECTRONICA CENTER LINZ



speaks at:
GeoGroningen

JORAM NAUTA

TNO INNOVATION FOR LIFE



speaks at:
TNO Session: Smart Housing

MICHAEL MURPHY

MASS. DESIGN GROUP



speaks at:
The Architecture of Hospitals
Community Hospitals Pt. 1

GERJAN NAVIS

UNIVERSITY MEDICAL CENTER GRONINGEN



speaks at:
Healthy Ageing: A User's Guide
Projects on Food

RICHARD MURPHY

RICHARD MURPHY ARCHITECTS



speaks at:
The Architecture of Hospitals
Psychiatric Facilities

STANTON NEWMAN

CITY UNIVERSITY LONDON



speaks at:
Building Blocks of Healthy Ageing

CHRISTINE NICKL-WELLER

NICKL & PARTNER ARCHITEKTEN AG



speaks at:
ENAH Session 1, The Architecture of
Hospitals: Children's Hospitals

JORRIT NOORDHUIZEN

NOHNIK ARCHITECTURE AND LANDSCAPES



speaks at:
WUR Session

MARLIES DE NIJS

GEMEENTE UTRECHT



speaks at:
A Healthy Urban Boost

HUGH O'CONNOR

AGE FRIENDLY IRELAND



speaks at:
Age Friendly Cities

LAMBERT VAN NISTELROOIJ

EU PARLEMENT



speaks at:
Everyone's Dream

BEN VAN OMMEN

TNO INNOVATION FOR LIFE



speaks at:
TNO Session: Grip on Personal Health

ENRIQUE ORTS

AYUNTAMIENTO DE VALENCIA



speaks at:
Sport in the City

EDISA OSMANČEVIČ

ZOD LJUBLJANA



speaks at:
HANNN Symposium: EIP AHA
Reference Sites

BERT OTTEN

UNIVERSITY OF GRONINGEN



speaks at:
Bicycling Through the City

JARRIK OUBURG

OFFICE JARRIK OUBURG



speaks at:
Design & Dementia

ROOS PALS

HANZE UNIVERSITY OF APPLIED SCIENCES



speaks at:
Healing Through Nature

JONAS PAPENBORG

KARRES+BRANDS LANDSCHAPSARCHITECTEN



speaks at:
WUR Session

ANNE-SOPHIE PARENT

AGE PLATFORM EUROPE



speaks at:
Everyone's Dream

FRANK PIERIK

TNO INNOVATION FOR LIFE



speaks at:
TNO Session: Models for a Healthy
City

CHARLOTTE PATTERSON

SYDDANSK SUNDHEDSINNOVATION



speaks at:
HANNN Symposium EIP AHA

ROOS PIJPERS

RADBOD UNIVERSITY



speaks at:
ZonMw Session

ELLEN PEETERS

GEMEENTE UTRECHT



speaks at:
A Healthy Urban Boost

MARTIN POLENZ

CITY OF ARNSBERG



speaks at:
Age Platform WHO

BERT POOLMAN

UNIVERSITY OF GRONINGEN



speaks at:
Healthy Ageing: A User's Guide
Medical Technology

ANNA VAN POUCKE

KPMG



speaks at:
KPMG Session

SARAH POS

GGD GHOR



speaks at:
Serious Gaming

GORDON PRICE

SIMON FRASER UNIVERSITY



speaks at:
Vancouverism

JEROEN POSTMA

ERASMUS UNIVERSITY ROTTERDAM



speaks at:
Fresh Research Session

MATHILDE PRUNTEL

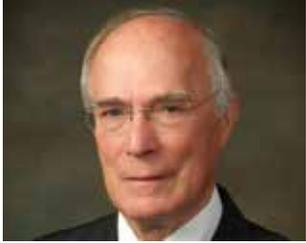
GEMEENTE SLOCHTEREN



speaks at:
Health and Demographic Decline Pt. 2

RUDY RABBINGE

WAGENINGEN UNIVERSITY



speaks at:
Saving Hectares for Food,
Nature and Biodiversity

MENNO REIJNEVELD

UNIVERSITY MEDICAL CENTER GRONINGEN



speaks at:
Healthy Ageing: A User's Guide Public
and Mental Health

FOKKE RAKERS

VU UNIVERSITY MEDICAL CENTER



speaks at:
Recent Dutch Hospital Architecture
Pt. 2

RONALD RIETVELD

RAAAF | RIETVELD ARCHITECTURE-ART-AFFORDANCES



speaks at:
The End of Sitting, Future Hospitals

HILDE VAN REE

WOONSTICHTING GRONINGER HUIS



speaks at:
ZIF Session Pt. 1

ANNET RITSEMA

BUREAU RITSEMA



speaks at:
Self Management in Care, The Grey
Tones of Groningen

SIMON ROBINSON

RPP ARCHITECTS



speaks at:
The Architecture of Hospitals
Psychiatric Facilities

HENRIETTE ROMBOUITS

GEMEENTE AMSTERDAM



speaks at:
Health Moves Amsterdam

TONNIE ROGGEVELD

HUISARTSENPRAKTIJK VAN LUNE LOPPERSUM



speaks at:
Health and Demographic Decline Pt.1

PAUL RONCKEN

WAGENINGEN UNIVERSITY



speaks at:
WUR Session

MARLIES ROHMER

ARCHITECTENBUREAU MARLIES ROHMER



speaks at:
The Healthy City: Research and
Design Pt. 3

ANDREW RUNDLE

COLUMBIA UNIVERSITY



speaks at:
Building and Thinking at Healthy
Scales

SYLVIA KAREN RUTAGUMIRA

UNIVERSITY OF GRONINGEN



speaks at:
Caring Communities Pt. 2

ROBERT SCHOEVERS

UNIVERSITY MEDICAL CENTER GRONINGEN



speaks at:
Healthy Ageing: A User's Guide Public
and Mental Health

HILARY SAMPLE

MOS ARCHITECTS | COLUMBIA GSAPP



speaks at:
Building and Thinking at Healthy Scales

GOVERT SCHOOF

UNIVERSITY OF GRONINGEN



speaks at:
Climate Session

MARGRIET SCHNEIDER

UNIVERSITY MEDICAL CENTER UTRECHT



speaks at:
Recent Dutch Hospital Architecture
Pt.2

EDZARD SCHULTZ

HEINLE, WISCHER UND PARTNER



speaks at:
The Architecture of Hospitals High
End Medical Institutions Pt.2

PETER SCIALLA

DELOS LIVING LLC



speaks at:
The Well-Building Standard

ALVARO VALERA SOSA

TECHNISCHE UNIVERSITÄT BERLIN



speaks at:
ENAH session: Lost in Translation
Pt. 1

CHRISTOPHER SHAW

MEDICAL ARCHITECTURE



speaks at:
The Architecture of Hospitals

JENTJE STEEGSTRA

BOUWCONCEPT



speaks at:
ZIF Session: New Initiatives in Care
Pt. 1

HENRI SOEPENBERG

VOLKERWESSELS



speaks at:
VolkerWessels Workshop:
Building Care and Cure

NARDI STEVERINK

UNIVERSITY OF GRONINGEN



speaks at:
Healthy Ageing: A User's Guide —
Public and Mental Health: Making
a Living

WOLFGANG SUNDER

TECHNISCHE UNIVERSITEIT BRAUNSCHWEIG



speaks at:
Structural Hygiene: Making
Hospitals Safe

MARCEL TANKINK

KAW



speaks at:
The Healthy City: Research
and Design Pt. 3+4

PAUL TANG

IBM WATSON HEALTH



speaks at:
Smart Healthcare and Big Data

IDS THEPASS

LAURENS WONEN



speaks at:
Aedes-ActiZ Symposium:
Flex in the City

KARIN TANJA-DIJKSTRA

VU AMSTERDAM



speaks at:
Healing Through Nature

JELLE TERRY

WEST 8 URBAN DESIGN & LANDSCAPE ARCHITECTURE



speaks at:
Pedestrian Paradise: Madrid & Vienna

JONATHAN TIPPING

NOORDERRUIMTE | HANZE UNIVERSITY OF APPLIED SCIENCES



speaks at:
Climate Session: Experience
Climate Change

ELAINE UNEGBU

AGE-FRIENDLY MANCHESTER BOARD



speaks at:
Caring Communities Pt. 3

REMCO VAN DER TOGT

STROOTMAN LANDSCHAPSARCHITECTEN



speaks at:
WUR Session: Serious Landscaping

JORG USINGER

BEHNISCH ARCHITEKTEN



speaks at:
The Healy City: Research and Design Pt.
2, High End Medical Pt. 1

OTTO TRIENEKENS

DE VELDACADEMIE



speaks at:
Longer at Home because of the
Nursing Home

BERNARD VALERO

VALERO GADAN ARCHITECTES



speaks at:
The Architecture of Hospitals High
End Medical Institutions Pt. 1

DANIEL CASAS VALLE

UNIVERSIDADE DO PORTO



speaks at:
Sport in the City

EVELIEN VAN VEEN

VAN VEEN ARCHITECTEN



speaks at:
Self Management in Care

THEO VAN ALPHEN

RIVM



speaks at:
RIVM Session:

WOUTER VELDHUIS

MUST STEDEBOUW



speaks at:
IABR Session

WOUTER VANSTIPHOUT

TU DELFT | CRIMSON ARCHITECTURAL HISTORIANS



speaks at:
The Role of Design

TARA VELDMAN

BILLARD LEECE PARTNERSHIP



speaks at:
The Architecture of Hospitals
Children's Hospitals

KOEN VAN VELSEN

KOEN VAN VELSEN ARCHITECTEN



speaks at:
Recent Dutch Hospital Architecture
Pt. 2, Community Hospitals Pt. 2

MICHIEL VERHAEGEN

OSAR ARCHITECTS



speaks at:
Pilot Project Integrated Care

LEONIE VENHOEVEN

UNIVERSITY OF GRONINGEN



speaks at:
RIVM Session

ARNOUD VERHOEFF

GGD AMSTERDAM



speaks at:
Health Moves Amsterdam

PAUL VERDIEL

P2LINK



speaks at:
TNO Session: Smart Housing

ANOUK VERMEULEN

AG ARCHITECTEN



speaks at:
Health and Demographic Decline Pt. 1

JAN VERMEULEN

STUDIO THYS VERMEULEN



speaks at:
Pilot Project Integrated Care

MAARTEN VIEVEEN

HANZE UNIVERSITY OF APPLIED SCIENCES



speaks at:
Health and Demographic Decline Pt. 2

PAUL VERMEULEN

DE SMET VERMEULEN ARCHITECTEN



speaks at:
IABR Session

JANNIE VINKE

ANA ARCHITECTEN



speaks at:
The Grey Tones of Groningen

JAN VEUGER

NOORDERRUIMTE | HANZE UNIVERSITY OF APPLIED SCIENCES



speaks at:
Health Care Real Estate in its Infancy

CHRIS VISSCHER

UNIVERSITY MEDICAL CENTER GRONINGEN



speaks at:
Healthy Ageing: A User's Guide —
Behavior, Social Context
and Demography

JETSKE VISSER

BUREAU JETSKE VISSER



speaks at:
Design & Dementia

ELVIRA VREESWIJK

GEMEENTE AMSTERDAM



speaks at:
Health Moves Amsterdam!

TANJA VOLLMER

KOPVOL ARCHITECTURE & PSYCHOLOGY



speaks at:
ENAH session: Lost in Translation
Pt. 2

COR WAGENAAR

UNIVERSITY OF GRONINGEN



speaks at:
ENAH session: Lost in Translation
Pt. 1+3, Health @ BK Session

LEONIE VORAGEN

VGZ



speaks at:
Aedes-ActiZ: Flex in the City

ANDRE WILLEMS

MEANDER MEDISCH CENTRUM



speaks at:
Recent Dutch Hospital Architecture
Pt. 2

TED WILLEMSEN

STENDEN UNIVERSITY OF APPLIED SCIENCES



speaks at:
Man Made Blue Zone

ROB WITHAGEN

UNIVERSITY MEDICAL CENTER GRONINGEN



speaks at:
The End of Sitting

JEROEN DE WILLIGEN

GEMEENTE GRONINGEN



speaks at:
Back to the Future

YVONNE WITTER

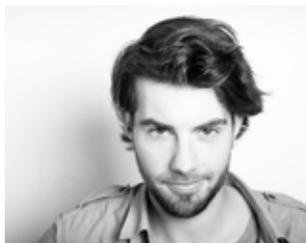
AEDES ACTIZ KENNISCENTRUM WONEN-ZORG



speaks at:
Self Management in Care

GERT-JAN WISSE

BUREAU B+B STEDEBOUW EN LANDSCHAPSARCHITECTUUR



speaks at:
Pedestrian Paradise: Madrid & Vienna

WILMA WOLF

HANZE UNIVERSITY OF APPLIED SCIENCES



speaks at:
Health and Demographic Decline Pt. 1

DOUGLAS L. WOOD

MAYO CLINIC



speaks at:
Creating Health: Experience from the
Mayo Clinic Center for Innovation

VERA YANOVSHITCHINSKY

VERA YANOVSHITCHINSKY ARCHITECTEN



speaks at:
The Architecture of Hospitals High
End Medical Institutions Pt.2

HELEEN WORTELBOER

TNO INNOVATION FOR LIFE



speaks at:
TNO Session: Grip on Personal Health

ARJAN ZANTINGH

STADSKERK VGB



speaks at:
Man Made Blue Zone

FRED WOUDENBERG

GGD AMSTERDAM



speaks at:
RIVM Session: The impact of our
physical environment on our health

ARJEN VAN DER ZEE

EMMA KINDERZIEKENHUIS AMC



speaks at:
Recent Dutch Healthcare Architecture
Pt. 2

CHUNYANG ZHANG

SOUTH CHINA UNIVERSITY OF TECHNOLOGY



speaks at:
Health @ BK session

JEROEN ZUIDGEEEST

MVRDV



speaks at:
The Healthy City: Research
and Design Pt. 3

WILMA ZIJLEMA

UNIVERSITY OF GRONINGEN



speaks at:
Fresh Research Session

EMMA ZIJLSTRA

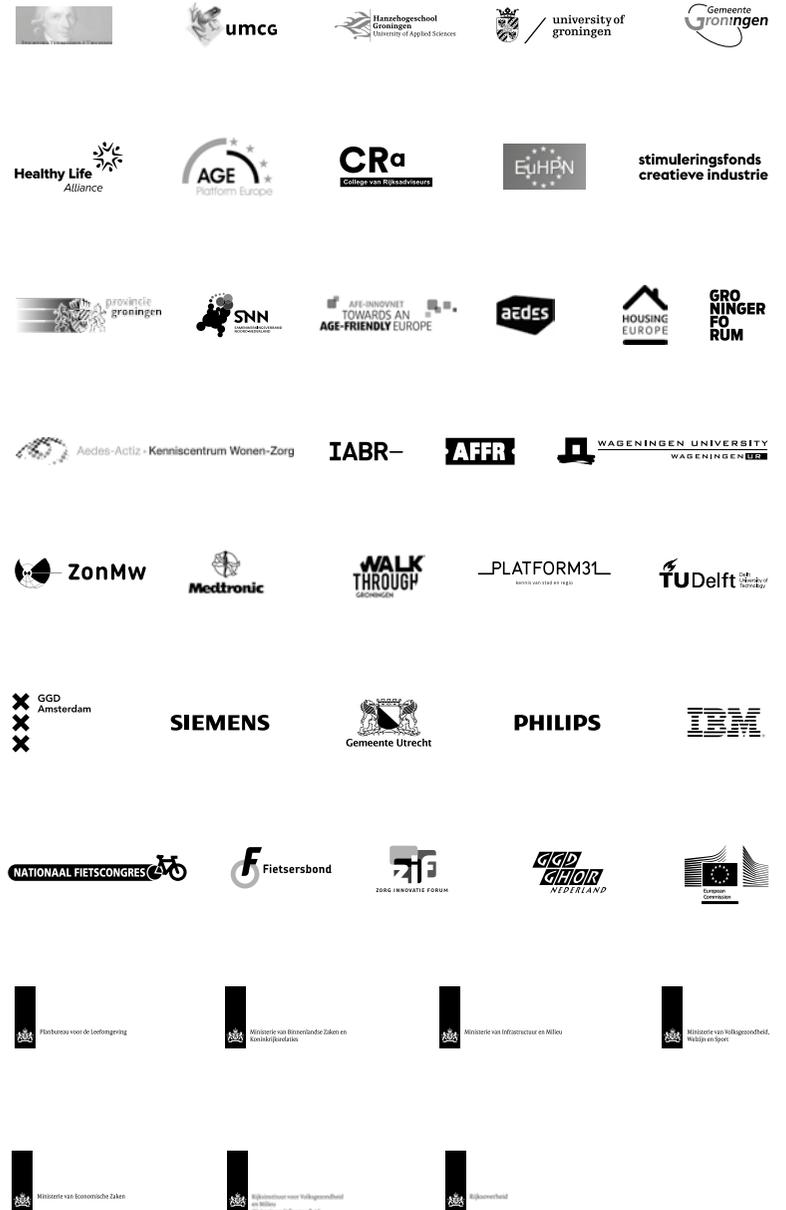
HANZE UNIVERSITY OF APPLIED SCIENCES



speaks at:
Health and Demographic Decline Pt. 1

SPONSOR AND PARTNERS

The initiative for this conference was taken by the Healthy Ageing Network Northern Netherlands (HANNN), the Thomassen à Thuessink Foundation, TNO and the Thomassen à Theussink chair of Architecture, Urbanism and Health at the University of Groningen. In addition, a large number of partners support the conference, including our main sponsor VolkerWessels.



Can the built environment help us stay healthy for longer? Can it inspire us to exercise more? How can we provide for clean water and air? What will our future hospitals look like? Does linking healthy lifestyle and good nutrition to well-designed cities offer a possible cure for Western diseases like obesity and diabetes? And moreover: how can architects and urban planners play a vital role in solving these issues? These questions – and many more – will take centre stage at the international conference Building the Future of Health.

Can the built environment help us stay healthy for longer? Yes it can!