



**European
Health
Property
Network**

European Health Property Network Workshop

Whole System Transformation of Healthcare Infrastructure

Radisson Collection Royal Hotel, Copenhagen
27-29 March 2023

Draft Programme

The European Health Property Network's 2023 workshop takes inspiration from the programme of whole system transformation of hospitals and primary/community health facilities that has taken place in Denmark from the mid-2000's to the present day. This programme is perhaps unique in Europe, both in scope and in scale, and we hope to learn how healthcare infrastructure renewal has accompanied changes in care models, technology, clinical practice and climate awareness.

The 2023 will showcase a formidable group of expert speakers and panellists, drawn from our host country and from EuHPN's members and associates across Europe. Within the overarching theme of whole system transformation we will spend days 1 and 2 of the workshop examining some linked sub-themes: learning from the Danish experience, integrating services and buildings, progress towards Net Zero healthcare facilities, improving the experience of the users of healthcare facilities. On day 3 we hope to arrange some optional tours of ground-breaking hospitals and other healthcare facilities, as well as the headquarters of Healthcare Denmark.

Please note that the programme may be subject to change, but it will be updated at regular intervals and will be available at <https://www.euhpn.eu/draft-outline-programme>.

To register for the 2023 workshop, please use the separate registration form and return this to info@euhpn.eu, or use the link <https://www.euhpn.eu/u-bottom>. The registration form has details of the costs of attending the workshop, as well as some information about accommodation at the Radisson Collection Royal hotel and other nearby hotels. We advise early registration for the 2023 workshop, as we have had a high volume of initial expressions of interest in attending.

Please forward this outline programme to colleagues who may be interested in attending this event. We look forward to welcoming you in 2023.

EuHPN is grateful to its member organisations, to Link Arkitektur and to Gerflor for their support for the 2023 workshop.

Monday 27 March

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| 08.30 – 08.50 | Registration and welcome coffee | |
| 08.50 – 09.00 | Welcome address | <p>Marte Lauvsnes, Director, Sykehusbygg (Norway’s national hospital planning agency); Chair, European Health Property Network.</p> <p>Jonathan Erskine, Executive Director, European Health Property Network</p> |
| 09.00 – 09.30 | Keynote address: <i>Hospitals as Drivers of Healthcare System Reform in Europe</i> | Dr Natasha Azzopardi Muscat, Director Country Health Policies & Systems, WHO Europe |
| 09.30 – 11.00 | <p>SESSION 1: <i>Learning from transformation of healthcare infrastructure</i></p> <ul style="list-style-type: none"> • Planning and financing the transformation in Denmark • Design outcomes: lessons from Denmark • Changing service models in hospitals: consequences for patients and the workforce | <p>Professor Kjeld Møller Pedersen, Department of Economics, University of Southern Denmark.</p> <p>Birgitte Gade Ernst, Partner, Arkitema Architects</p> <p>Dr Boubou Hallberg, CEO, M.D. Ph.D, Södra Älvsborgs Hospital, Sweden</p> |
| 11.00 – 11.30 | Coffee break | |
| 11.30 – 12.15 | <p>Maia workshop (1) – Personal level</p> <p>‘From Nightingale and Maggie to Maia (My Artificial Intelligent Assistant): A Futuristic Vision for the Development of Health and Care Environments’ (Proposal for the Wolfson Economics Prize 2021 by Andrea Möhn, Femke Feenstra, Nirit Pilosof, Johan van der Zwart).</p> | <p>Dr Johan van der Zwart, University of Twente (Netherlands)</p> <ul style="list-style-type: none"> • Introduction to Maia (My Artificial Intelligence Assistant) • Interactive audience group work: ‘What could Maia do for you?’ |
| 12.15 – 13.15 | <p>SESSION 2: <i>The Changing Landscape of Healthcare: Consequences for the Built Environment</i></p> <ul style="list-style-type: none"> • Centralising expertise in hospitals and care closer to home • Hybrid environments, spanning community, primary and hospital care | <p>Dr Louella Vaughan, Senior Clinical Fellow, Nuffield Trust (UK)</p> <p>Unni Dahl, Pål Ingdal and Sturla Ditlefsen, Sykehusbygg, Norway’s health facility planning authority</p> |
| 13.15 – 14.15 | Lunch | |
| 14.15 – 15.45 | <p>SESSION 2: <i>The Changing Landscape of Healthcare: Consequences for the Built Environment (continued)</i></p> <ul style="list-style-type: none"> • Beyond the hospital: environments for dementia care | Johannes Pedersen, Partner/Director, Nord Architects |

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| | <ul style="list-style-type: none"> If we cannot build new, what do we do? A case study from Poland | <p>Marcin Kautsch, Senior Lecturer, Jagellonian University, Krakow, Poland; EcoQUIP+ Project Coordinator.</p> |
| 15.45 – 16.15 | Coffee break | |
| 16.15 – 16.45 | <ul style="list-style-type: none"> The conception and design of the New North Wing at Rigshospitalet, and reflections on lessons for future health facility design | <p>Mette Dan-Weibel, Direktør Sundhed (Director Healthcare), Architect MAA, Link Arkitektur, Denmark</p> |
| 16.45 – 17.30 | <p>Maia workshop (2) – System level</p> <ul style="list-style-type: none"> Introduction: New hybrid models of care integrating physical and virtual environments Interactive audience group work: ‘How will Maia transform healthcare systems?’ Audience participation in group work | <p>Dr Nirit Pilosof, Head of Research in Healthcare Transformation, Sheba Medical Center (Israel); Faculty Member at the Coller School of Management, Tel Aviv University (Israel); Associate of Cambridge Judge Business School, University of Cambridge (UK)</p> |
| 20.30 – 23.00 | <p>Workshop dinner, Vækst restaurant Sankt Peders Stræde 34, 1453 København https://goo.gl/maps/P9DP5kpPRsaESiQH7 : an 8 minute walk from the workshop venue.</p> | |

Tuesday 28th March

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| 09.00 – 09.45 | <p>Maia workshop (3) – Architectural level</p> <ul style="list-style-type: none"> Introduction: future design concepts for places of care: at home, residential care, and hospital Interactive audience group work: ‘How will Maia transform places for care, health and wellbeing?’ | <p>Femke Feenstra, Architect and Partner, Gortemaker Algra Feenstra (Netherlands)</p> |
| 09.45 – 11.15 | <p>SESSION 3: <i>Sustainable? What can healthcare infrastructure really offer for Net Zero ambitions?</i></p> <ul style="list-style-type: none"> The art of the possible – using existing knowledge, evidence and technologies to transform the carbon footprint of the health estate The Karlstad project: Sweden’s first timber frame and reused brick construction hospital Policy into practice – how Scotland and Ireland are making Net Zero targets achievable and affordable for healthcare buildings | <p>Speakers from LINK Arkitektur, Denmark</p> <p>Cristiana Caira, Partner, and Jens Axelsson, Architect, White Arkitekter</p> <p>Speakers from NHS Scotland and the Health Service Executive, Ireland</p> |

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| 11.15 – 11.45 | Coffee break | |
| 11.45 – 13.00 | SESSION 4: <i>Innovations in planning, design, technology</i> | |
| | <ul style="list-style-type: none"> • Towards sustainable and future proof Healthcare buildings in the Netherlands (and the process of getting there and getting things done): transformations in the acute care system, a case study for acute/emergency childbirth care and emergency departments. • Physical environment, a fixed value in our care: tailor-made spaces for learning disabled clients. • The East Lancashire Hospitals NHS trust Medipark Hub | <p>Norman Egter van Wissekerke, Menno Hinkema, Roberto Traversari, TNO, Netherlands</p> <p>Andrea Möhn, AM_A, Netherlands</p> <p>Gareth Banks, Regional Director, AHR, UK</p> |
| 13.00 – 14.00 | Lunch | Optional discussion workshop with representatives from EuHPN workshop sponsors Gerflor: Sustainable Materials for Healthcare Environments |
| 14.00 – 15.30 | SESSION 5: <i>People and places: using evidence to design for the real world and new challenges</i> | |
| | <ul style="list-style-type: none"> • Clinical workflow and human factors in OT design • Flexible and adaptable clinical spaces: a new paradigm? • 5 multipurpose hospital buildings in 20 weeks | <p>Professor Dr. Clemens Bulitta, Dean of the Faculty of Industrial Engineering and Healthcare at the Technical University of Applied Sciences Amberg-Weiden (Germany)</p> <p>Dr Anne Symons, Bartlett School of Sustainable Construction, UCL (UK)</p> <p>Rafael Delgado and Gabriela Martínez, Arquitectos Servei Català de la Salut.</p> |
| 15.30 – 16.00 | Coffee break | |
| 15.30 – 16.30 | <ul style="list-style-type: none"> • Making housing human for people with memory decline • Architecture and behaviour: designing the new children’s hospital for the Rigs Hospital campus | <p>Professor Laura Arpiainen, Professor of Health and Wellbeing Architecture, Aalto University, Finland</p> <p>Stig Vesterager Gothelf, Architect MAA, Senior Partner, 3XN, Denmark</p> |
| 16.30 – 17.15 | SESSION 6: <i>Danish healthcare: perspectives on innovation and future technologies in primary care.</i> | Ida Hvitved, Chief Advisor, Healthcare Denmark |
| 17.15 – 17.45 | Panel discussion – final remarks on the workshop | |
| | Farewells | |

Wednesday 29th - Study Tour Options

We are pleased to offer 3 study tour options for participants who can stay in Copenhagen until Wednesday 29th March. The options are separate and cannot be combined. They are:

- Malmo Hospital, Malmo, Sweden*
- The Rigs Hospital (Rigshospitalet), Copenhagen, the Centre for Cancer and Health, Copenhagen, and a Health Innovation workshop led by Health Innovation Southern Denmark
- Healthcare Denmark headquarters, Odense

* Participants at the Malmo study tour should remember to bring a passport or other valid ID document.

Option 1 - NSM - New Hospital Campus Malmö

This tour can accommodate up to 30 participants.

The New Hospital Campus in Malmö, designed by White Arkitekter, will be home to the most modern hospital building and hospital environments in Sweden, which will contribute to achieving Region Skåne's vision of world-class quality of life.



The hospital buildings are a central part of the long-term physical development of the hospital campus in Malmö, and together with the Service building and a new culvert system with AGV it will contribute to health-promoting care in a sustainable urban environment.

The new buildings will open during 2024-2025.

The hospital buildings comprise 108,000 m². Functions that will be housed in these buildings:

- 10 hospital wards
- 240 single rooms for patients
- 23 operating theatres
- outpatient and day care units
- intensive care unit with designated beds for children

The service building comprises 25,000 m². Functions that will be housed in this building:

- clinical laboratory with around-the-clock analysis of samples and test results
- pharmaceutical supply
- hospital joint technology
- receipt of goods deliveries
- receipt of meal deliveries
- waste management
- postal services
- educational and administrative premises

Itinerary

- 8:30 Train Copenhagen central station to Malmö Triangle station (36 min., please remember passport or ID card.)
- 9:10 Arrival in Malmö Triangle station. Meeting point for 10 minute walk to Malmö Hospital Campus.
- 9.20 Arrival in Malmö Hospital Campus. Welcome coffee and presentations.
- 10.00 Start of tour part 1
- 12:00 Lunch.
- 13.00 Start of tour part 2 (option for departure to airport by train, for those with earlier flights).

- 15.00 Finish tour and departure directly to Kastrup, Copenhagen airport every 15 min (18 min travel time by train), or train back to Copenhagen central station.

Option 2 – The Rigs Hospital, Copenhagen, the Centre for Cancer and Health, Copenhagen and a Health Innovation workshop led by Health Innovation Southern Denmark

This option can accommodate up to 30 participants.

The Centre for Cancer and Health, designed by NORD Architects, is a cooperative venture between the Municipality of Copenhagen and the Danish Cancer Society. The philosophy of the centre is to provide a homely environment, welcoming and non-stigmatizing. The design incorporates a central courtyard surrounded by small-scale houses with facilities for rehabilitation, relaxation, physical activity and psychological support. There is more information [here](#) and [here](#).



Due to restrictions on visiting this site, the tour will have an early start at 08.00 and finish at 09.00.

Health Innovation Southern Denmark is a publicly funded knowledge centre, consultancy and projects agency that brings together a range of professionals to promote innovation in the health sector of southern Denmark. The organisation's mission is to translate innovative proposals, in construction, digital technologies and operations and quality assurance, into practical solutions for citizens and healthcare providers. There is more information here: <https://syddansksundhedsinnovation.dk/>

This part of option 2 will take place from 10.00 to 12.00, during which time Health Innovation staff will run an interactive mini-workshop, covering:

- Case studies of how elements of service design have been used to generate common understanding between a complex composition of stakeholders including patients, citizens, clinical staff, maintenance, decision makers:
 - Sensory delivery rooms, Region of Southern Denmark
 - Steno Diabetes Centre, Odense
- An interactive session on using service design and user journeys as a method to program the physical environment.

The venue for this part of option 2 will be confirmed at a later date, but will be close to the Rigs Hospital Campus.

The Rigs Hospital Campus has been recently completed with the new North Wing, the patient hotel and the Children's hospital. Participants will be able to visit public areas, art installations, and – to be confirmed - an inpatient ward area of the new North Wing, and possibly some aspects of the patient hotel.

Due to restrictions on visiting times, the tour of Rigs Hospital, which will be led by Mette Dan-Weibel of Link Arkitektur, will take place

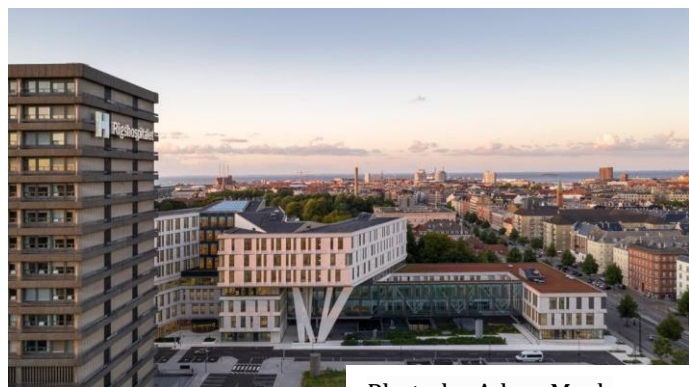


Photo by Adam Mørk

in two groups (up to 15 each), from 13.00 to 14.00, and from 14.00 to 15.00.

Rigshospitalet North Wing features more than 200 patient rooms, operating rooms, an intensive care unit, and outpatient clinics. The guiding principles of the design are patient well-being and healing, the needs of healthcare professionals, and the future adaptability of the hospital functions.

The project has been selected as the world's best new health building at the renowned World Architecture Festival.

The North Wing has a strong expression, conveying openness, transparency, safety and humanism – while at the same time creating a long-lasting, flexible hospital that can adapt according to future operational needs. New treatment methods and digital innovations continue to challenge existing hospital settings.

The design and layout of the North Wing are the results of a close collaboration between LINK arkitektur and 3XN, as well as the engineering firm Sweco. Additional contributors to the project include the landscape architect Kristine Jensen Tegnestue, and the German architect firm Nickl & Partner.

Option 3 – ‘Nation of Health’, Healthcare Denmark headquarters and demonstration centre, Odense

This tour can accommodate up to 30 participants. Please note that this tour will require coach transport, and that the journey to and from Odense and Copenhagen will take 2 hours.

Healthcare Denmark is public-private partnership between the Danish Ministry of Health, the Danish Regions and a range of commercial partners. *“[It]...is the international gateway to Danish healthcare and life science expertise and innovation.”* The proposed tour is to their HQ in Odense, 2 hours from Copenhagen, where their staff can provide virtual tours of recently completed hospitals and other care facilities, demonstrate the latest in digital technologies and show how Danish healthcare system is tackling Net Zero targets. The tour will be tailored to our participants’ interests, but at present we propose to cover the following topics:



- The Danish healthcare system (organization and funding)
- Elderly Care and Assisted Living (primary care, home care, care homes)
- Innovative Hospitals (the new super-hospitals, the new hospital program, Emergency Medical Services)
- Introduction to prevention and health promotion in Denmark (Risk factors, Citizen and patient orientated prevention, Implementation of prevention activities)

In the visitor centre the delegation will also have the opportunity to explore, via interactive screens, examples of the use of technologies in the Danish health care system, the structure of public private partnerships and interviews with health care professionals. More information [here](#).

Itinerary

08.30 Departure by bus/minibus from the Radisson Collection Royal Hotel
10.30 Arrival in Odense; coffee and welcome
10.45 Part 1 of the visit
12.30 Lunch
13.00 Part 2 of the visit
14.00 Return to Copenhagen, with stop at Kastrup airport at approximately 16.00.