

# CleanMed Europe 2016

19<sup>th</sup>-21<sup>st</sup> OCTOBER 2016

COPENHAGEN

CONFERENCE PROGRAMME



**CleanMed**  
Creating Healing Environments

Europe  
2016



#CleanMedEurope



## United Nations Development Programme



**Tilly Sellers**  
UNDP HIV, Health and Development Team Leader Eastern Europe and the CIS

In 2012, during the consultations on the Future We Want, health was recognised as a precondition for and an outcome and indicator of all dimensions of sustainable development. I would like to thank everyone who contributed to making CleanMed Europe 2016 possible, as it is an exceptional opportunity to tell the world that sustainable healthcare systems are part of the future we want. As a contribution to this vision, UNDP hosts the UN Initiative for Sustainable Procurement in the Health Sector (SPHS). The SPHS aims to integrate sustainable procurement systems into global health policies and practices and facilitates an overall reduction in the UN environmental footprint. The initiative coordinates the introduction of green procurement in the health sector among its members and leverages the normative mandate and joint procurement volumes of member agencies to influence the global health aid market towards greener health systems and green economies. Steps such as these help develop and set targets and timelines for an overall reduction in the UN environmental footprint, and ensure the principle of doing no harm is among the main objectives of the SPHS.



## Capital Region of Denmark



**Jens Mandrup**  
Chairman of The Environmental and Traffic committee, Capital Region of Denmark

Dear participants,  
I am happy to welcome you all to Copenhagen and the Capital Region of Denmark. One of the region's main goals is to continuously green the operation of our hospitals in order to reduce CO2 emissions, increase resource efficiency, and deliver sustainable healthcare to citizens. We are therefore excited to co-host the CleanMed Conference, because it gives us the opportunity to show you how we bring our goals to life. I hope we can all use this conference to encourage and inspire each other and exchange experiences and knowledge from all the prominent work in this area - let's take sustainable healthcare to the next level.  
I wish you all a good conference.



## United Nations Population Fund



**Eric Dupont**  
Chief, UNFPA Procurement Service Branch

In 2015, the United Nations and its partners took bold steps towards transforming our world with the adoption of the Sustainable Development Goals (SDGs). These 17 goals will help guide our collective work, recognising that no single set of actors can solve these issues alone. The UN Secretary-General, Ban Ki-Moon, said "Addressing global challenges requires a collective and concerted effort, involving all actors. Through partnerships and alliances, and by pooling comparative advantages, we increase our chances for success". On behalf of the United Nations agencies represented at UN City, we welcome participants to CleanMed Europe 2016. We encourage you to share, learn, discuss, and develop designs for sustainable healthcare systems that will transform our world as a whole, rather than just part of it.



## Health Care Without Harm Europe



**Anja Leetz**  
Executive Director, Health Care Without Harm Europe

Welcome to the 5th CleanMed Europe conference; these three days will be packed with interesting presentations and networking opportunities around the subject of creating healing environments. We are very pleased to hold CleanMed Europe 2016 in UN City in Copenhagen, where we will talk about how healthcare can advance the sustainable development goals, how procurement can transform markets, and how we can work together towards a low carbon world. I would like to thank all speakers, sponsors, exhibitors, delegates, and partners who have made this event possible. It is your leadership, experience, and creativity that we urgently need to achieve a change in healthcare. During an age of climate change, biodiversity loss, pollution, deforestation, and natural resource depletion, we face social injustice, poverty, gender inequality, war, and hunger. As our global and local challenges grow more acute, our solutions need to be smarter, more connected, and relevant to local needs. I hope CleanMed Europe 2016 will inspire you, and provide you with an opportunity to network and exchange ideas on how to create a healthy planet for a better healing environment.



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Full programme

| DAY 1<br>Wednesday, 19th October 2016  | DAY 2<br>Thursday, 20th October 2016   | DAY 3<br>Friday, 21st October 2016                                  |
|--|--|---|
| 08:00 - 12:30<br>Registration  | 08:30 - 09:00<br>Late registration   | 08:00 - 09:00<br>Late registration                                  |
| 09:00 - 12:30<br>Preconference events  | 09:00 - 10:30<br>Morning plenary:<br>Building a global network to transform health systems | 09:00 - 10:30<br>Parallel sessions C                                |
| 10:00 - 11:00<br>Coffee break & exhibitions open   | 10:30 - 11:00<br>Coffee break/Networking   | 10:30 - 11:00<br>Coffee break/Networking                            |
| 11:00 - 12:30<br>Preconference events continue   | 11:00 - 12:30<br>Market lounge   | 11:00 - 12:30<br>Parallel sessions D                                |
| 12:30 - 13:30<br>Lunch/Start of conference   | 12:30 - 13:30<br>Lunch   | 12:30 - 13:30<br>Lunch  |
| 13:30 - 15:00<br>Opening plenary:<br>How can healthcare advance the Sustainable Development Goals? | 13:30 - 15:00<br>Parallel sessions: B  | 13:30 - 15:00<br>Closing plenary:<br>Visions for a low carbon world |
| 15:00 - 15:30<br>Coffee break/Networking   | 15:00 - 15:30<br>Coffee break/Networking   | 15:00<br>End of conference  |
| 15:30 - 17:00<br>Parallel sessions: A  | 15:30 - 17:00<br>Afternoon plenary:<br>Transforming markets through healthcare procurement | 15:30 - 17:30<br>HCWH Europe AGM<br>(for HCWH Europe members only)  |
| 17:15 - 18:00<br>Afternoon plenary:<br>What does leadership for sustainable healthcare mean?       | 19:00 - 23:00<br>Gala event and entertainment at Charlottenhaven, Copenhagen               |   |

Preconference events

**Sustainable food in healthcare workshop with the EcoQUIP innovation procurement project (Tuesday 18th October) at Gentofte Hospital [Accessible by public transport]**

This workshop is sponsored by the EcoQUIP project (a project to improve the efficiency, quality, and environmental sustainability of healthcare through innovative procurement). The aim of the workshop is to discuss the challenges the European healthcare sector faces in implementing sustainable and healthy food policies, including the prevention and reduction of food waste at their facilities. To stimulate a constructive debate during the workshop, HCWH Europe has identified six challenges and areas for improvement in the healthcare sector, based on their pan-European survey carried out between 2014-2016.

**North Zealand Hospital - Innovation and sustainability in a project on a tight budget [Accessible by public transport & electric car pickup]**

The new North Zealand Hospital will open in 2021. Yet, unlike traditional hospitals, the architecture will be kept on a human scale and adapted to the surrounding landscape. Hear about the vision, innovative project design, and the integration of sustainability in a project on a tight budget. This new acute-care hospital in North Zealand, Denmark, is being designed by the internationally renowned architects Herzog & de Meuron (well-known for designing the Olympic stadium in Beijing and the Tate Modern in London).

Preconference events continued

**Ballerup Mental Healthcare Center - “Healing architecture” [Shuttle bus to/from UN city]**

This is a practical approach to sustainable healthcare solutions when designing psychiatric intensive care units. This site visit addresses the practical design process when applying a “healing architecture” focus for the special needs of psychiatric patients. The results can be seen in the newly built 16-patient ward, where the visual environment, interior design, technical design, access to the outdoors, and the overall layout are results of this focus.

**Glostrup Hospital - Sustainable construction [Shuttle bus to/from UN city]**

On the western part of the parking area at Glostrup Hospital you will find a sustainably constructed car park based on a spiral that winds around an inner courtyard. In the courtyard a basin for collecting rainwater has been installed, which is partly used to water vegetation on the external facades and also prevent overloading of the sewer network. House facades are open to the outside environment. On the facade you will find growths in green, white, and red shades that play up against the gray concrete. The total area is 9,600 square meters and can accommodate 447 cars.

**Herlev Hospital - Wastewater treatment [Shuttle bus to/from UN city]**

A new wastewater treatment plant has been built at Herlev Hospital based on a public-private-innovation-partnership. On the visit you will hear about the development of the plant and its sustainable methods, which includes purifying the water from drug residues, endocrine disruptors, and antibiotic-resistant bacteria. The water is considered so clean that it can be safely released into the environment.

**Herlev Hospital - Art in architecture [Shuttle bus to/from UN city]**

During this visit you will hear how the artistic decoration is an important parameter and a natural element in adding a general poetic touch to the architecture. The artist Poul Gernes made the unique interior decorating of Herlev Hospital, the walls and interiors are decorated in a multitude of strong bright colours. The colouring comes from the idea that the hospital must be a nice place to be. The colours play with form and function, and the idea is that they can be used for orientation. The colourful environment is carefully conceived of down to the finest detail, for example the colours of the wards are determined by the direction of the compass so that the colours interact with the daylight. The large ongoing expansion is illustrated in a model and there will be an introduction to the thoughts and ideas behind the project.

**Gentofte Hospital - Food and waste management [Shuttle bus to/from UN city]**

At Gentofte Hospital, they are focussing on waste management and recycling. During the visit you will hear how the hospital has made a great effort to teach the clinicians on how to sort different waste fractions. You will also see the newly designed waste containers for hospitals with less space for better waste management. The hospital also has worked on minimising the waste of food served to the patients. Whilst visiting Gentofte you will hear how the cooperation between the hospital kitchen and wards has made it possible to target the food to specific patients and thereby optimise purchasing, cooking, and the use of leftovers, with a better economy and less food waste in return. You will also learn about how it has been possible to use more than 75% organic products within the same budget. In May 2016, the hospital received a national certification: the organic logo in silver, because the hospital food contains more than 75% organic ingredients.

**Architectural design tour of the platinum LEED certified UN City building [at UN city]**

The UN City building is designed by Danish architect firm 3XN. The facility not only won the EU Green Building Award for New Buildings in 2012, but is also LEED platinum certified. Many energy-saving features enable the UN City to reduce its energy consumption by an impressive 55% compared to a similar-sized office building.

**Global Green & Healthy Hospitals meeting (GGHH members only) [at UN city]**

GGHH is a network of over 700 members from around the globe who represent the interests of over 20,500 hospitals and health centres dedicated to reducing the environmental footprint of the health sector. A global project of HCWH, there are 45 GGHH members in the European region, from Italy, Sweden, France, Spain, the UK, and points in between. This year, GGHH is creating a powerful opportunity for European members to come together to share, learn and grow in a private, interactive event. This half-day morning session, exclusively for GGHH members, has been designed to leverage our impact on transforming the health sector by deepening our connections and inspiring shared action among members.



DAY 1  
Wednesday, 19th October 2016

|               |   |
|---------------|---|
| 08:00 - 12:30 | Registration  |
| 09:00 - 12:30 | Preconference events  |
| 10:00 - 11:00 | Coffee break & exhibitions open   |
| 11:00 - 12:30 | Preconference events continue   |
| 12:30 - 13:30 | Lunch/Start of conference   |
| 13:30 - 15:00 | Opening plenary:<br>How can healthcare advance the Sustainable Development Goals? |
| 15:00 - 15:30 | Coffee break/Networking   |
| 15:30 - 17:00 | Parallel sessions A   |
| 17:15 - 18:00 | Afternoon plenary:<br>What does leadership for sustainable healthcare mean?       |

Opening plenary | How can healthcare advance the Sustainable Development Goals?

In September 2015 countries adopted the Sustainable Development Goals: Transforming our world: the 2030 Agenda for Sustainable Development in New York. The good news is that these goals are for all countries, both developed and developing countries, challenging all governments and their citizens to act in changing our world profoundly and responding to a number of challenges the world is facing. 17 goals have been defined, with Goal 3 promoting good health and well-being, Goal 11 for sustainable cities and communities, and Goal 13 around climate action. These all have a direct correlation to the work of the health-care sector and offer opportunities for the sector in the future. Framed around these SDGs, the opening plenary will look at how this high level policy can be practically implemented at regional and local level. We will be discussing what the role of the health sector could be or should be, how we can embrace the goals, incorporate their essence into our practice, and how we can advance the SDGs in healthcare.

Parallel sessions: A

- A1: Addressing pharmaceutical pollution: Green and sustainable practices
- A2: Sustainable food in healthcare
- A3: Safer chemicals and safer materials in healthcare
- A4: Leadership to achieve sustainable health systems: Examples from local and national levels
- A5: How to monitor and improve the carbon footprint of healthcare
- A6: Sustainability for future health facility planning
- A7: Sustainable public procurement: Green and ethical case studies

DAY 1  
Wednesday, 19th October 2016

Afternoon plenary | What does leadership for sustainable health-care mean?

This session looks at the opportunities and challenges for sustainable healthcare. In this age of transformation and rapid changes, it needs more than a business-as-usual approach to be ready to face the challenges and opportunities of the future.

You will hear from leaders in the sustainable healthcare field speaking about their concepts and plans to create systemic change. They will discuss their mission and their involvement with staff, board and/or customers to achieve their vision, and will reflect both on failures and successes and draw learnings from their work.



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## DAY 1 Opening plenary

### How can healthcare advance the Sustainable Development Goals?



**Anja Leetz**, Executive Director, HCWH Europe, Belgium

Over the last 8 years Anja Leetz has built up Health Care Without Harm's European team in Brussels, focusing on both EU policy development and implementation at national, regional, and local levels. Under Anja's leadership, climate and health work started in 2009, and she co-created the Global Climate & Health Alliance - a coalition of health organisations advocating for climate solutions in healthcare. Prior to joining HCWH Europe, Anja worked for over 10 years with environmental organisations such as Friends of the Earth and the European Environmental Bureau in the UK and Belgium. Anja holds a degree in teaching and in photography and has qualified as a Foundation Manager at the European Business School in Germany.



**Dr Hans Kluge**, Director, Division of Health Systems and Public Health, WHO, Regional Office for Europe, Denmark

A Belgian trained medical doctor with a Masters degree in public health, Dr Hans Kluge has a wealth of country and management experience spanning several WHO Member States. Previously based in the WHO Country Office in Myanmar and the WHO Director-General's Special Representative Office in Russia, he now works from the Copenhagen office. Dr Kluge has a background in health systems, public health and infectious diseases, and between 1999-2004 also served as Special UN Representative for TB and TB/HIV control in the Russian Federal Penitentiary System – receiving an award from the Russian government for his efforts.



**Eric Dupont**, Chief, Procurement Services Branch, UNFPA, Denmark

Eric Dupont joined the United Nations in January 1993 and has been the Chief of the Procurement Services Branch of UNFPA since November 2010. Eric received MCIPS accreditation in 2010 and has 26 years of experience in the area of procurement and supply chain management both at headquarters and in the field. Prior to joining UNFPA, Eric worked at UNOPS (12 years), UNICEF (6 years), and the Ministry of Water in Niger (2.5 years).



**Jens Mandrup**, Chairman of the Environmental and Traffic committee, The Capital Region of Denmark

Jens Mandrup is a member of the Danish Socialist People's Party. He is a member of the Regional Council – the region's highest governing body. He is also the chairman of the Environmental and Traffic committee – another governing body in the region. The committee takes political decisions within the areas of climate, environmental friendly hospitals and institutions, public transport, green mobility, drinking water protection, soil contamination etc. Jens has a Master in History and in African Studies. He currently owns and runs CopenhagenHistory, a guiding and event company.



**Betina Bergmann Madsen**, Chief Procurement Officer, Copenhagen Municipality, DK

Betina Bergmann Madsen is a specialist in the procurement of sustainable and organic food for the municipality's 900 kitchens. Since 2001, Copenhagen has had a goal of reaching 90% organic produce in all public catering within the city, and expects to achieve this goal in 2016. Naturally the tenders and food supply need to support this objective, which to their knowledge is the most ambitious in all the capitals of the world. Betina strives to continually improve the steady supply of seasonal and high quality ingredients into public systems and aims to tailor the tenders to adjust to the different needs of different kitchens, but also to actively enforce the municipality's ambition to ensure that tenders include SME's, circular economy, and Social Economic Enterprises.

## DAY 1 Afternoon plenary

### What does leadership for sustainable healthcare mean?



**Nanna Skovgaard**, Director, Centre of Health Economics, Denmark

Nanna Skovgaard received a Master's degree in Political Science and she has been dedicated to policy development and change management ever since. Before joining the Ministry of Health, Nanna worked at the Ministry of Finance. She is currently actively involved with hospital reform taking place in Denmark. Nanna's main focus is around implementation, benefit realisation, and steering mechanisms within health and public sector governance in general.



**Sonia Roschnik**, International Lead, Sustainable Development Unit, UK

Sonia Roschnik has over 30 years experience as a sustainable health consultant in health and social care sectors, having worked as a clinician, in senior hospital management, and as Head of the Sustainable Development Unit. She and the team pioneered system wide approaches including the NHS Carbon Reduction Strategy (2009), the Route Map to Sustainable Health (2010), and the Sustainable Development Strategy (2014), in close partnership and regular consultation across England. Sonia is a board member of HCWH Europe and sits on the European Sustainable Healthcare Council. She works as an advisor to WHO and UNDP on key sustainability programmes and chairs the Coalition for Sustainable Pharmaceuticals and Medical Devices.



**Susanne Stormer**, Vice President of Corporate Sustainability, Chief Sustainability Officer, Novo Nordisk, Denmark

Susanne Stormer leads Novo Nordisk's efforts to be a sustainable business and is charged with the management of corporate sustainability-driven programmes, the integrated Annual Report, stakeholder engagements and communication on the value of the company's Triple Bottom Line (TBL) business principle. In this capacity, she sets the strategic direction for the company's positioning as a sustainability leader and a pioneer in demonstrating the long-term business value of incorporating economic, social and environmental perspectives into its market proposition.



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DAY 2  
Thursday, 20th October 2016

|               |  |
|---------------|--|
| 08:30 - 09:00 | Late registration  |
| 09:00 - 10:30 | Morning plenary: Building a global network to transform health systems |
| 10:30 - 11:00 | Coffee break/Networking  |
| 11:00 - 12:30 | Market lounge  |
| 12:30 - 13:30 | Lunch  |
| 13:30 - 15:00 | Parallel sessions: B   |
| 15:00 - 15:30 | Coffee break/Networking  |
| 15:30 - 17:00 | Afternoon plenary: Transforming markets through healthcare procurement |
| 19:00 - 23:00 | Gala event and entertainment at Charlottenhaven, Copenhagen            |

Morning plenary | Building a global network to transform health systems

Imagine hospitals and experts from around the world helping you and each other to develop, implement, and accelerate hospital and health system sustainability programmes for free. You are imagining Health Care Without Harm's Global Green and Healthy Hospitals (GGHH) network. The GGHH network includes over 700 members, representing over 20,500 hospitals and health centres, building a global movement for sustainable health care.

Learn about the network, the benefits and the resources it offers to members, and more about how to join and become a part of this growing community, transforming the health sector globally.

Hear from members from around the world on how GGHH is helping them to reduce their own environmental impact, increase their resilience to climate change, move beyond their boundaries to improve the health of their communities, and leverage their sustainability achievements to influence health and climate policy to improve the planet.



DAY 2  
Thursday, 20th October 2016

Market lounge

In the market lounge the sessions will be more intimate and personal than a parallel session, and we offer you three sessions with a maximum of 10 participants.

You will hear a 15-minute presentation from a single presenter, immediately followed by a 10-minute discussion with the speaker and the other 10 participants. Discussing in smaller groups will give you an opportunity for a more detailed conversation with great networking opportunities.

Once you have concluded your first session, participants will move on to their next table and hear a further two more presentations in the same format. With a faster pace than a parallel session, the market lounge encourages brevity/efficient dialogue and gives you initial contact with key players and interested parties.

Parallel sessions: B

- B1: Antimicrobial resistance: The environmental impact
- B2: Highlights from Nordic Sustainable Healthcare Solutions
- B3: Healthcare and climate change: Taking on the challenge, examples from the Global Green and Healthy Hospitals initiative
- B4: Ethical public procurement in European healthcare
- B5: Innovation for sustainable healthcare products: Outcomes of the European PVC-free blood bag project
- B6: Reducing CO2 emissions in the health sector

Afternoon plenary | Transforming markets through healthcare procurement

The European healthcare sector, with 12,990 hospitals totalling 2.8 million hospital beds, is a major public purchaser of goods and services. In the process of treating patients, the healthcare sector consumes an enormous amount of energy and water, as well as disposable products, building materials, pharmaceuticals, and medical devices.

Sustainable Procurement is the practice by which authorities, including hospitals and health systems, address green and social/ethical considerations in purchasing practices. By implementing sustainable procurement strategies, such as applying green and social criteria to tendering processes, hospitals can reduce their environmental footprint and become socially responsible, as well as managing their way towards long-term change.

The sector has a moral obligation to evaluate the implications of procurement, drive towards reducing the overall consumption, and make effective use of products, including sound waste management and working toward reduction of the lifecycle impacts of products.

This session will discuss sustainable procurement in healthcare as an instrument to transform the market, create innovation, and to reduce the environmental footprint of the sector. You will hear from different experts how they are addressing procurement in their country, region, or globally and the obstacles they had to overcome in order to implement change.



## DAY 2 Morning plenary

### Building a global network to transform health systems



**Scott Slotterback**, Policy Director, Global Green and Healthy Hospitals, Health Care Without Harm, USA

Scott Slotterback assures the smooth functioning of the Global Green and Healthy Hospitals network while helping lead its ongoing development. He plays a central role in building the technical capacity of the network. Scott comes to this role after working for over 30 years on complex building and land use planning projects, including a decade at Kaiser Permanente, where he led teams focused on improving the design and sustainability of over 60 major healthcare buildings. He authored numerous sustainability focused case studies, design standards, white papers, and articles. He also presented sustainability at numerous national and international conferences and served on the Steering Committee that wrote the Green Guide for Healthcare, which became the basis for LEED for Healthcare.



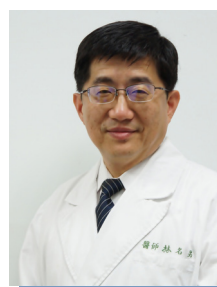
**Rachel Billod-Mulalic**, International Relations, Comité pour le Développement Durable en Santé (C2DS), France

Rachel Billod-Mulalic joined C2DS at the beginning of 2012 in its office in Berlin and is in charge of international relations and international cooperation at the committee. For more than 10 years, she worked as a project manager for international studies in different market research institutes specialising in healthcare services and devices in Germany before switching to communications applied to healthcare and the environment in 2007.



**Ahmed Idhammad**, Head of Sustainable Development, Mohammed VI University Hospital Centre, Marrakesh, Morocco

Ahmed Idhammad has an Engineering degree from The National School of Mineral Industry in Rabat (Morocco), and a PhD-degree in Modelling and Computational Science from the Cadi Ayyad University of Marrakesh, Morocco. Ahmed is also Project Manager at the Marrakech Hospital University Centre, and a member of various international associations such as Francophone Alliance for Quality and Risk Management in Healthcare. His more recent work has been concentrated on energy efficiency and climate change.



**Dr Ming-Nan Lin**, Vice Superintendent, Buddhist Dalin Tzu Chi General Hospital, Taiwan

Dr Lin has a Masters degree in Public Health and has devoted himself to community outreach and international disaster relief. An esteemed health educator, speaker, facilitator, TV host, scholar, and assistant professor who has inspired thousands in hospitals, government, schools, and communities to promote well-being with a holistic approach. As a renowned family medicine practitioner for over 20 years, he is passionate about promoting plant-based diets for both enhancing health and protecting the environment. As part of the board of the Taiwan Vegetarian Nutrition Society and a member of Task Force on Health Promoting Hospital & Environment (WHO-CC), he aspires to see hospitals achieve their goals of health and environmental protection, emphasising that doctors should cherish their ability to help others.

## DAY 2 Afternoon plenary

### Transforming markets through healthcare procurement



**Dr Rosemary Kumwenda**, Senior Policy Advisor of Sustainable responses for Health and HIV, UNDP Istanbul Regional Hub, Coordinator, Sustainable Procurement in the Health Sector (SPHS), Turkey

Dr Rosemary Kumwenda has over 15 years work experience in UNDP at country and regional levels, working on health and HIV. She spent eleven years as Assistant Resident Representative Poverty, HIV&AIDS Advisor in Zambia. She also served in the UNDP Malawi Country Office where she delivered a UN Joint Programme, leveraging UNDP's comparative advantage on HIV and the law, key populations, HIV and gender mainstreaming in development plans and strategies. In 2014 Rosemary joined the UNDP Regional Service Centre in Addis-Ababa and in 2016 she joined the Istanbul Regional Hub as Senior Policy Advisor for Sustainable Responses HIV, Health and Development.



**Thomas Mosor**, Programme Manager, EcoBuy, City of Vienna, Austria

Thomas Mosor studied Food and Biotechnology and joined the Environmental Department in 1994. He specialised in air pollution control and, as project leader of the first Viennese Climate Protection Programme (1995 – 1998), he was centrally involved in the establishment of Green Public Procurement in the City of Vienna. After years in the field of strategic urban air quality management, Thomas became head of the programme EcoBuy in 2012. Currently, he and his interdisciplinary team have been working on the advancement of EcoBuy towards more sustainability in public purchasing.



**Petter Höglund**, Professor, Karolinska University Hospital, Sweden

Petter Höglund, MD and PhD, works at Karolinska University Hospital as a Professor of Basal Immunology, especially clinically applied Cell Therapy and Transplantation at the Department of Medicine, Huddinge. He shares his time between research and clinical work, specialising in clinical immunology and transfusion medicine. Within the PVCfree Blood Bag project, together with Hans Gulliksson, he is responsible for the in vitro evaluation and his group has performed the in vitro studies of the blood bags.



**Jesper Laursen**, Business Director & Co-Owner, Melitek, Denmark

Jesper Laursen is the Business Director and co-owner of Melitek. Melitek represents the first step in the supply chain and has more than 25 years' experience developing and supplying polymer solutions for PVC replacement in healthcare applications.



**Rebecca Calahan-Klein**, Chief Operating Officer and Innovation Hub Director, Greenhealth Management, USA

Rebecca Calahan-Klein is a lifelong social entrepreneur, focused on developing sustainable business strategies for leading global companies, and building social enterprises. Rebecca has served as a sustainable business consultant for companies, including Alcan, Clif Bar, Ford Motor Company, General Motors, Johnson and Johnson, Levi Strauss and Company, Nike, Nordstrom and Target. She has built and scaled sustainability focused non-profits including Businesses for Social Responsibility, Organic Exchange™, and 1% for the Planet. Rebecca graduated summa cum laude from the University of Arizona with a B.S. in Finance, and graduated with a Master's In Public Policy from the Kennedy School of Government at Harvard University.



Day 2 Gala Dinner

**+ Gala dinner at Charlottehaven**  
Thursday, 20<sup>th</sup> October, 19:00 – 23:30  
This year's gala dinner will be held at Charlottehaven, which is approximately 10 minutes away from the UN City. Set in modern Danish design, join us in a relaxed atmosphere to enjoy typical Danish food and use the chance to connect with people from across the world. We will start with a welcome drink, followed by a buffet dinner. Entertainment will be provided by a jazz trio so you can just lean back and relax or party.  
*If you did not purchase gala dinner tickets during your conference registration but would like to attend, please contact a member of the CleanMed Europe team on the first day of the conference.*

**+ About the venue**  
Charlottehaven's 44 hotel apartments, located just off Strandboulevarden, were designed by multiple award-winning architects Lundgaard & Tranberg and built by Finn Harald Simonsen in 2004. The idea behind this privately owned residence was to create an elegant environment for sustainable and inspiring activities – a unique centre, where users could exercise, stay in serviced apartments, dine and entertain

both privately and professionally. Charlottehaven is beautifully complemented by its gardens, which were designed by the landscape architect, Stig Andersen. The building and the gardens have both received many awards for their stylish and functionalist design. Today Charlottehaven implements many sustainable activities - they support Save the Children, help local homeless people, and in many ways are active in the fight against cancer.



Charlottehaven, Copenhagen

DAY 3  
Friday, 21st October 2016

|               |   |
|---------------|---|
| 08:30 - 09:00 | Late registration                               |
| 09:00 - 10:30 | Parallel sessions C                             |
| 10:30 - 11:00 | Coffee break/Networking                         |
| 11:00 - 12:30 | Parallel sessions D                             |
| 12:30 - 13:30 | Lunch   |
| 13:30 - 15:00 | Closing plenary: Visions for a low carbon world |
| 15:00         | End of conference                               |
| 15:30 - 17:30 | HCWH Europe AGM (for HCWH Europe members only)  |

Parallel sessions: C

- C1: Creating sustainable pathways of care: Perspectives from the NHS and CSPM
- C2: Pharmaceuticals in the environment: Next steps in Europe
- C3: Improving intravenous pharmaceutical management
- C4: Energy efficiency policies in the healthcare sector
- C5: Waste management strategies in healthcare
- C6: Increasing education through leadership in the clinical environment

Parallel sessions: D

- D1: Reducing pharmaceutical pollution through new strategies: Case studies
- D2: Leadership in sustainable healthcare: Case studies from procurement, catering, and staff engagement
- D3: Urban climate actions, health and environmental benefits: A research framework for cities
- D4: The challenge of motivating doctors to develop sustainable healthcare
- D5: Sustainable waste management: Re-use, recycling, and safe disposal

Closing plenary | Visions for a low carbon world

In December 2015, 195 nations and their leaders came together to adopt the Paris Agreement pledging to take action to avoid the increase in the global average temperature to well below 2°C above pre-industrial levels and to pursue efforts to limit the temperature increase to 1.5°C above pre-industrial levels, recognising that this would significantly reduce the risks and impacts of climate change.  
However, the agreement is a partially-legally binding mechanism to help guide us in the right direction. Now, it is up to each nation, sector, company, organisation, and individual to follow through on the commitments, and to turn ambition into measurable action. Our final plenary looks at visions for a low carbon world and how we can practically move towards that vision, examining whether we are ready for this transition.

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NADINA & DAVID ABRAHAMS  
South Africa  
Nadine has type 1 diabetes  
David has type 2 diabetes

climate affects  
your health<sup>1</sup>

Reducing environmental impact is part of securing patient health in the long term<sup>1</sup>.  
Novo Nordisk aims to reduce its environmental footprint by switching to 100% renewable power by 2020<sup>2</sup>.



1. Watts, N., et al. Health and climate change: policy responses to protect public health. Lancet 2015; 386: 1861-914.  
2. <http://there100.org/companies>



DAY 3 Closing plenary  
Visions for a low carbon world



**Gary Cohen, President and Co-Founder, Health Care Without Harm and Practice Greenhealth, USA**  
Gary Cohen has been a pioneer in the environmental health movement for thirty years. Gary is Co-Founder and President of Health Care Without Harm, and Practice Greenhealth. He was also instrumental in bringing together the NGOs and hospital systems that formed the Healthier Hospitals Initiative in the USA. All three were created to transform the health-care sector to be environmentally sustainable and serve as anchor institutions to support environmental health in their communities.  
Gary was Executive Director of the Environmental Health Fund for many years and has helped build global coalitions and networks to address the environmental health impacts related to toxic chemical exposure and climate change.



**Julie Appelqvist, Senior Climate Advisor, City of Copenhagen, Denmark**  
Julie B. Appelqvist is Senior Climate Advisor in the Technical and Environmental Administration of City of Copenhagen. For the last nine years she worked with strategic planning in the fields of climate and waste for the City of Copenhagen.  
Currently, Julie is Project Manager for the climate roadmap 2017-2020 that outlines the City of Copenhagen's effort to become carbon neutral by 2025. The roadmap, approved by the Technical and Environmental Committee in June 2016, was presented to the City Council in August and contains initiatives within the fields of energy consumption, energy production, green mobility, and city administration.  
Among other things, Julie has been Project Manager for the city's waste management plan: Resource and Waste Management 2018. She holds a Masters degree in Biology and has recently finished a Masters degree in Public Management as well.



**Erol Odabasi, Global Director of Sustainability, Johnson & Johnson, USA**  
Erol Odabasi has been with Johnson & Johnson for 15 years and has been developing and implementing global sustainability strategies for Johnson & Johnson for the past 5 years. Among other responsibilities, he is building a global platform to engage J&J's >120,000 employees on citizenship & sustainability initiatives.  
Erol received his bachelor's degree in Environmental Science from Rutgers University and his MBA from the University of California Davis.



**Didier Bourdon, AP-HP (National Agency for the Performance of Healthcare Facilities), France**  
Didier Bourdon has been the official representative to the General Secretariat of AP-HP since March 2015. His role is to ensure the development of the sustainable development component of the strategic plan. Before this, Didier was also a technical advisor to senior management since August 2012, jointly commissioned by AP-HP and ARSIF to develop the Hospitalier Estate plan. He was also deputy director for economic and financial management, investments and heritage and director of real estate.  
From 2001-2007 Didier was director of the Groupement Hospitalier, Lyon Civil Hospitals, having been Director of Technical Affairs. He was also director of investments and real estate operating at CHU Montpellier and Lille.

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**Johnson & Johnson**  
As a leading global healthcare company, we have a responsibility to the people we serve, the communities in which we live and work, and to our employees around the world, helping to make this world a healthier, better place. Our citizenship and sustainability practices are an important part of those responsibilities outlined in Our Credo, and we take this work very seriously. We impact health everywhere we go and in everything we do, which is why we've been setting environmental goals for nearly 30 years, and broader Citizenship & Sustainability goals since 2010. Our latest set of five-year Citizenship & Sustainability goals continues to build on this legacy. [www.jnj.com](http://www.jnj.com)



**Novo Nordisk**  
In Novo Nordisk, we are driving change to defeat diabetes and other serious chronic conditions. Diabetes poses one of today's biggest global health challenges. We work for a future where fewer people get diabetes, everyone with diabetes is diagnosed, and everyone who is diagnosed receives adequate treatment and can live a life with as few limitations as possible. Our key contribution is to discover and develop better biological medicines, manufacture them to meet increasing global demand and make them accessible wherever they are needed. We are committed to finding the next generation of medicines and long-term investments in innovation have made us experts in the field of modern biotechnology. Producing life-saving medicines is a significant responsibility: millions of people depend on us. However, to defeat a serious chronic condition, we need to do more than supply the right medicine. This is why we work in partnerships with patients, policymakers, healthcare professionals, and non-governmental organisations to raise awareness, improve prevention, promote earlier diagnosis and expand access to care. We have built our business on the conviction that the formula for lasting success is to stay focused, think long-term and do business in a financially, socially, and environmentally responsible way. [www.novonordisk.com](http://www.novonordisk.com)

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Philips is a leading health technology company focused on improving people's lives across the health continuum – from healthy living and prevention, to diagnosis, treatment and home care. Applying advanced technologies, and deep clinical and consumer insights, Philips delivers integrated solutions that improve people's health and enable better outcomes. Partnering with its customers, Philips seeks to transform how healthcare is delivered and experienced. The company is a leader in diagnostic imaging, image-guided therapy, patient monitoring and health informatics, as well as in consumer health and home care. [www.philips.dk/healthcare](http://www.philips.dk/healthcare)



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### Healthmanagement.org

Dedicated to promoting management, leadership, best practice and cross-collaboration in healthcare, HealthManagement.org is a digital powerhouse uniting five specialist platforms Healthcare IT Management, Cardiology Management, Imaging Management, EXEC, and ICU Management into one where experts and practitioners from all these areas meet to share their expertise. [www.healthmanagement.org](http://www.healthmanagement.org)



### KTM

The German health market needs urgent outstanding innovative medical solutions because competition is increasing. For over 40 years KTM has been the professional magazine providing information and support about investments in technical and medical products, systems, and services as well as IT services. [www.ktm-journal.de](http://www.ktm-journal.de)



### Medilink

Medilink West Midlands is a membership organisation with a remit to stimulate growth and innovation in the medical and health technology sector. They help companies from concept through to commercialisation and help to nurture collaborations between academics, clinicians, and industry within the region. [www.medilinkuk.com](http://www.medilinkuk.com)

## About HCWH Europe



Health Care Without Harm (HCWH) Europe is the European arm of a global not for profit NGO whose mission is to transform healthcare worldwide so that it reduces its environmental footprint, becomes a community anchor for sustainability, and a leader in the global movement for environmental health and justice. HCWH's vision is that healthcare mobilises its ethical, economic, and political influence to create an ecologically sustainable, equitable, and healthy world. HCWH Europe currently has 78 members in 26 countries of the WHO European Region that includes 17 Member States of the European Union.

HCWH Europe brings the voice of healthcare professionals to the European policy debate about key issues - chemicals, climate change and health, green building, sustainable procurement, pharmaceuticals, sustainable food, and waste management. [www.noharm-europe.org](http://www.noharm-europe.org)

## About UN City, Copenhagen



The UN City in Copenhagen houses 11 UN agencies and has more than 1,300 employees representing more than 100 nationalities. It is also the healthcare procurement hub for the UN globally.

The building is designed by Danish architect firm 3XN, and the facility not only won the EU GreenBuilding Award for New Buildings in 2012, but is also LEED platinum certified. Many energy-saving features enable the UN City to reduce its energy consumption by an impressive 55% compared to a similar-sized office building.

The combination of this exemplary green building situated in this forwardlooking city provides the ideal setting for CleanMed Europe 2016. [www.un.dk](http://www.un.dk)







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