GGHH Webinar Series

Safer Pharma: How healthcare can reduce Pharmaceutical Pollution

Susan Wilburn, GGHH Sustainability Director
Tim aus der Beek, IWW Water Center, Germany
Anja Leetz, Executive Director, HCWH-Europe
Thomas Moller, Environmental Coordinator, Arhus University Hospital, Denmark

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Connection Between Health and Environment

Environmental factors = ¼ of global burden of disease
~~World Health Organization, 2016

Preventing disease through healthy environments
Global Green and Healthy Hospitals (GGHH)

A worldwide community…

- of hospitals, healthcare systems and organizations
- dedicated to reducing the ecological footprint of healthcare operations
- while promoting environmental and public health in their communities
Global Green and Healthy Hospitals | Agenda Goals

**Leadership**
Prioritize environmental health as a strategic imperative

**Chemicals**
Substitute harmful chemicals with safer alternatives

**Waste**
Reduce, treat and safely dispose of healthcare waste

**Energy**
Implement energy efficiency and clean, renewable energy generation.

**Water**
Reduce hospital water consumption and supply potable water

**Transportation**
Improve transportation strategies for patients and staff

**Food**
Purchase and serve sustainably grown, healthy food

**Pharmaceuticals**
Prescribe appropriately, safely manage and properly dispose of pharmaceuticals

**Buildings**
Support green and healthy hospital design and construction

**Purchasing**
Buy safer and more sustainable products and materials
GGHH Member Resources and Benefits

- Global learning community
- Guidance Documents
- Case Studies
- **Self Assessments**
- Member Promotional tools
- Opportunities to promote work globally
- Educational Webinars
- Membership Certificate
Safer Pharma: How Healthcare Can Reduce Pharmaceutical Pollution

Goals:

• Raise awareness about pharmaceutical pollution and waste
• Educate health professionals about simple practices that can help reduce unnecessary pharmaceutical emissions in the environment with an emphasis on reducing unused and expired medicines
• Describe how healthcare professionals can educate patients about pharmaceutical pollution
• Discuss policy measures for reducing pharmaceuticals in the environment in the European Union and globally
Safer Pharma: How Healthcare Can Reduce Pharmaceutical Pollution

Presenter: Tim aus der Beek

Tim aus der Beek: He studied hydrology in Freiburg (Germany) and Vancouver (Canada). Between 2005 and 2012 he was employed in Germany at the Center for Environmental Systems Research (CESR) in Kassel, and at Heidelberg University, where he received his PhD. Here, the main research interests focused on integrated water resources management and hydrological impact modeling.

Since 2012, Tim aus der Beek, Senior Researcher and Consultant at the German IWW Water Centre in Mülheim an der Ruhr. His current research projects deal with pharmaceuticals in the aquatic environment, organic micropollutants in Chinese and German surface waters, water resources management and water quality issues in general. He has acquired multiple research grants from various national and international organizations, such as EU-Horizon2020 and UNEP. Tim aus der Beek is also author of 25 water related publications.
Safer Pharma: How Healthcare Can Reduce Pharmaceutical Pollution

**Presenter: Anja Leetz**

Anja Leetz: Executive Director of Health Care Without Harm Europe. She worked for more than ten years with such environmental and health organisations as Friends of the Earth and the European Environmental Bureau in the United Kingdom and Belgium. Anja holds a teaching qualification, a BA in Photography and has recently obtained the qualification of Foundation Manager at the European Business School in Germany.

**Presenter: Thomas Moller**, Environmental Coordinator at Aarhus University Hospital (Denmark). His area of work includes waste, wastewater and circular economy. He has been working for some years with hospital wastewater with focus on both treatment technology and central (municipal) versus local (hospital) treatment.
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