



Workshop programme

Urban Biodiversity and Health in the Face of Climate Change

Opportunities, challenges and evidence gaps - towards management and policy recommendations

05.-06. October 2016

Organised by the German Federal Agency for Nature Conservation (BfN) & ENCA (European Network of Heads of Nature Conservation Agencies) Interest Group on Climate Change at the

International Academy for Nature Conservation
Isle of Vilm/Germany

In collaboration with

**German Centre for integrative Biodiversity Research (iDiv) Halle-Jena-Leipzig
Helmholtz-Center for Environmental Research – UFZ**



Background

Pressure from climate change and ongoing urbanization pose challenges to human health and well-being of people all around the world. Climate change and urbanization particularly affect the health of urban residents in various ways. Extreme weather events such as flooding and heat waves, exacerbated by the urban heat island (UHI) effect, can cause illnesses and premature death. The UHI-effect is most significant in areas of high impermeable built-up density and low share of green space. In addition, pressures from urbanization result from increasing soil sealing, densification of built-up areas and the related decrease in quantity and access to urban green and blue spaces. Increase in traffic and transportation drives air and noise pollution with severe health effects for residents. Urban planners and decision-makers have to deal with these global challenges which entail the creation of viable urban transition pathways in order to equitably secure provision of and access to clean air, clean drinking water as well as high quality recreational green and blue spaces and overall healthy living environments. New approaches are needed in order to mitigate and adapt to negative effects of climate change and urbanization and to maximize opportunity for improving the health of urban residents.

Objectives

The aim of this workshop is to **showcase and explore existing evidence and local case studies on health effects of urban green space and biodiversity** particularly addressed to mitigate and adapt to **health impacts from climate change in Europe's urban areas**. **Challenges, barriers and opportunities of green space intervention strategies** should be identified and assessed. An explicit goal is to assess how **green space and biodiversity could positively influence health** and to provide guidance to planning and implementation initiatives together with actors from science, policy and society.

This workshop will also serve as a think-tank

(a) to steer the content of the international BfN/ENCA conference on 'Urban Biodiversity and Health in the Face of Climate Change' on 27.-29.6.2017 in Bonn/Germany,

(b) to guide the development of a background positioning paper.

Programme

All participants are highly encouraged to contribute to the workshop programme with presentations of case studies, own experience and information about existing networks/projects etc. related to the topic. The draft programme is still subject to change. Contributions are welcome to any part of the programme.

Concept and facilitation

DR. HORST KORN AND JUTTA STADLER, BFN, INSEL VILM,

PROF. DR. ALETTA BONN AND DR. NADJA KABISCH, IDIV / UFZ, LEIPZIG

DR. SIMON DUFFIELD, NATURAL ENGLAND, UK, CHAIR OF ENCA INTEREST GROUP ON CLIMATE CHANGE

I Contact for content related questions

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II Contact for logistics

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III Venue

The workshop will take place at the International Academy for Nature Conservation based at the Isle of Vilm. The little Island, which is one of the oldest protected areas in Germany, is located in the Baltic Sea adjacent to Ruegen Island (for more information see: <http://www.bfn.de/06>).

IV Costs

Overnight stay single room: 58 €/ Person and day

Overnight stay double room 43 €/ Person and day

Catering 24 €/day + 4 € coffee/tea

We prefer payment by Maestro-Card (EC-Card). However, payment by credit card and bank transfer is possible in case you do not have a Maestro-Card.

Note: There are limited funds available to support participants, especially from NGOs, universities and others – please apply with a note in the registration form.

Travel

The Isle of Vilm is situated in the north-east of Germany, south of Rügen Island. You can reach the Isle of Vilm by plane via Berlin, Hamburg or Rostock-Laage with connecting trains to Lauterbach/Mole. From there the BfN-owned ferry leaves to Vilm (ride takes approx. 10 min). Please notice: the last train reaching a ferry in Lauterbach-Mole is leaving Bergen on Ruegen at 17.40. If you arrive later by train or in order to reach the last ferry at 20.10, please take a taxi from Bergen to Lauterbach. In case your travel costs will be covered by BfN, please clarify in advance whether the reimbursement of taxi costs is possible.

For detailed travel information see attachment or:

http://www.bfn.de/fileadmin/BfN/ina/Dokumente/allgemeine_Infos/Reiseinfos.pdf (in German),

http://www.bfn.de/fileadmin/BfN/ina/Dokumente/allgemeine_Infos/Travel_information.pdf (in English)

Programme

Tuesday, 04. October 2016

- Arrival Ferry times from Lauterbach harbour: 16.10 / 17.10 / 18.10 / 20.10
(Dinner will still be available)
- 18:30 *dinner*
- 20:00 **Welcome and retrospect on past BfN/ENCA conferences**
HORST KORN, BfN AND SIMON DUFFIELD, ENCA INTEREST GROUP ON
CLIMATE CHANGE
- 20:10 **Introduction to the workshop and introductory round of
participants**
ALETTA BONN AND NADJA KABISCH, GERMAN CENTRE FOR INTEGRATIVE
BIODIVERSITY RESEARCH (iDiv) | HELMHOLTZ- CENTRE FOR
ENVIRONMENTAL RESEARCH – UFZ

Wednesday, 05. October 2016

08:00 *breakfast*

I Urban biodiversity and Health in the Face of Climate change – Overview of European Developments

- 09:00 **Urban nature, health and climate change – an Overview of the
evidence**
REBECCA LOVELL, UNIVERSITY OF EXETER, UK
- 09:30 **Psychological effects of urban nature and biodiversity**
DÖRTE MARTENS, EBERSWALDE UNIVERSITY FOR SUSTAINABLE
DEVELOPMENT, GERMANY
- 10:00 **Green, natural, healthy: The potential of multifunctional urban
spaces**
STEFAN HEILAND, TU BERLIN, GERMANY
- 10:30 *coffee/tea break*
- 11:00 **Allergenic plants and their relevance to human health in a
changing climate – Ambrosia as a case study**
REGINA TREUDLER, UNI LEIPZIG, GERMANY

11:30 **Brainstorming session**
Demonstration projects – What is the practical experience of projects that work with nature and green infrastructure to realize health and social benefits? What are indicators that address health effects from biodiversity?

12:30 *lunch*

13:30 **Guided tour and walk through the nature reserve of the Island of Vilm**
JUTTA STADLER, BFN

15:00 *coffee/tea & cake*

15:30 **Presentation of results of group discussion**

16:00 **Nature-based approaches to promote health and social integration in Germany, Case study: “Gartenstadt Drewitz”, Potsdam**
CARSTEN HAGENAU, PIA VON ZADOW, PROJEKTKOMMUNIKATION HAGENAU GMBH, GERMANY

16:30 *coffee/tea*

II Climate change, biodiversity and health awareness

17:00 **German nature awareness study 2015 – Results from the fourth representative survey on knowledge, attitudes and willingness of the population to act in matters of nature, conservation and biological diversity**
ANDREAS MUES, BFN

III Policy Framework – Moving towards recommendations for policy, practice, education and science

17:30 **Regions for Health Network – Prioritizing equity, developing strategic delivery alliances and fostering good governance**
CHRISTOPH HAMELMANN, WHO, ITALY

18:30 *dinner*

19:30 **GROUP DISCUSSION/PLENARY**
Presentation and invitation to the European BfN/ENCA Conference, June 2017, in Bonn; Identification of main questions to be addressed in the parallel sessions planned

III Policy Framework – Moving towards recommendations for policy, practice, education and science

09:00 **Green space and health: intervention impacts and effectiveness from a WHO perspective**

MATTHIAS BRAUBACH, WHO

09:30 **Ecosystem services in cities – Urban Nature for Health promotion (TEEB-DE)**

SINJA GATting, UNIVERSITY OF BIELEFELD, GERMANY

10:00 *coffee/tea break*

10:30 **World cafe / break out groups**

Science:

- What are challenges and limitations for research to quantify and assess effects of biodiversity on health?
- What are potential measures, methods and tools for assessment?
- What are knowledge gaps to future climate and socio-ecological changes?
- What are knowledge gaps on the effectiveness of concrete biodiversity implementation projects/interventions?

Policy and practice:

- What are opportunities to facilitate application and management action in practice?
- What are challenges or limitations for policy and planning to aligning biodiversity and health goals in the face of climate change?
- What are potential actors/ sectors for accelerating implementation/participation?
- What is good practice for assessing/monitoring health and/or social effects?

12:30 *lunch*

14:00 **World cafe / break out groups (cont.)**

14:30 **Plenary**

Presentation of World cafe results

IV Nature-based approaches to promote health and social integration in Germany – selected case studies

15:00 **Health benefits of urban green infrastructures from science to policy: the case of urban planning in Trento, Italy**

CHIARA CORTINOVIS, UNIVERSITY OF TRENTO, ITALY

15:30 **Bielefeld 2000plus – Climate Change Adaptation Strategies in Bielefeld**

BJÖRN BRODNER, UMWELTAMT BIELEFELD, GERMANY

16:00 *coffee/tea & cake*

16:30 **Urban agriculture 'Gemüsewerft': generating mental health, local food and added values by planting crops within the city limits**

MICHAEL SCHEER, GESELLSCHAFT FÜR INTEGRATIVE BESCHÄFTIGUNG MBH

17:00 **Project “Schule im Wald” (“School in the Forest”)**

HENNING NAHM, SCHREBERJUGEND, BERLIN

DISCUSSION

18:30 *Evening reception, hosted by the German Federal Agency for Nature Conservation (BfN)*

19:30 **Opportunity for ENCA Interest group on climate change meeting**

20:00 *Informal get-together*

Friday, 07. October 2016

07:25 departure (train from Lauterbach/Mole leaving at 8.00 am)

08:00 *breakfast*

08:25 departure (bus from Lauterbach/Harbour leaving at 09.01 am)

09:20 departure (train from Lauterbach/Mole leaving at 10.00 am)