



Workshop programme

Nature-based solutions to climate change mitigation and adaptation in urban areas and their rural surroundings

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

10.-11. March 2015

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

Climate change has significant impacts on society and biodiversity. People are likely to experience climate change impacts most directly in cities and urban areas. Technical solutions are only one aspect of climate adaptation and mitigation, while nature-based solutions can foster functioning ecosystems as essential backbone to climate mitigation and adaptation. Management that focusses on green infrastructure as measure towards greening cities has the potential to meet several goals across sectors and may also be cost-effective and sustainable. Nature-based solutions to adaptation can therefore help to address both the 2020 targets of the Convention on Biological Diversity (CBD) as well as those of the Framework Convention on Climate Change (UNFCCC).

Objectives

The aim of this workshop is to showcase and explore good practice of nature-based solutions to climate change mitigation and adaptation in Europe's urban areas and their surrounding landscapes, and to analyse challenges and identify indicators of success. An explicit goal is to assess how this concept can help conservation to work across sectors in collaboration with e.g. urban planning, architecture, forestry as well as water, tourism and health. This workshop will also serve as a thinktank (a) to steer the content of the international BfN/ENCA conference on 'Biodiversity and climate change in urban areas and their rural surroundings' including interactive workshops on 17.-19.11.2015 in Bonn/Germany, (b) to guide the development of a background review paper, and (c) to provide input to an ENCA position paper with recommendations for policy, practice and science that should receive further input from the Bonn conference.

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

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

DR. NICHOLAS MACGREGOR, NATURAL ENGLAND, UK, CHAIR OF ENCA INTEREST GROUP ON CLIMATE CHANGE

Contact for content related questions

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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 Rügen Island (for more information see <http://www.bfn.de/06>).

Costs

Overnight stay single room: 58 €/ Person and day

Overnight stay double room 43 €/ Person and day

Catering 24 €/day + 4 € refreshments

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 note: the train leaving Bergen on Rügen at 19.40 to Lauterbach-Mole to reach the last ferry at 20:10 will only operate on the 9th of March (since this is an additional extra train, it might not be correctly indicated in the internet). If you arrive on a different evening, please take a taxi from Bergen to Lauterbach.

Programme

Monday, 09. March 2015

- Arrival Ferry times from Lauterbach harbour: 16.10 / 17.10 / 18.10 / 20.10 (in order to reach the last ferry, an extra train will run only this evening, leaving Bergen/Rügen at 19.40 to Lauterbach-Mole, Dinner will still be available.)
- 18:30 *dinner*
- 20:00 **Welcome and retrospect on past BfN/ENCA conferences**
HORST KORN, BfN AND NICHOLAS MACGREGOR, ENCA INTEREST GROUP ON CLIMATE CHANGE
- 20:10 **Introduction to the workshop and introductory round of participants**
ALETTA BONN, GERMAN CENTRE FOR INTEGRATIVE BIODIVERSITY RESEARCH (IDIV) | HELMHOLTZ- CENTRE FOR ENVIRONMENTAL RESEARCH – UFZ

Tuesday, 10. March 2015

- 08:00 *breakfast*
- I Nature-based solutions in climate change mitigation and adaptation – Overview of European Developments**
- 09:00 **Ecosystem services and green infrastructure as nature-based solutions in cities to face climate change challenges - state of the art in quantification, modelling and non-monetary assessment**
DAGMAR HAASE, HU BERLIN
- 09:30 **Planning for climate change mitigation and adaptation: the role of nature-based solutions.**
STEPHAN PAULEIT, TU MUNICH
- 10:00 **EU-Perspective**
KARIN ZAUNBERGER, EU-COM, DG ENVIRONMENT
- 10:30 *coffee/tea break*

- 11:00 **Greening Cities - Current developments in Europe**
SANDRA NAUMANN, ECOLOGIC INSTITUTE
- 11:30 **Discussion: Opportunities, Challenges and Indicators of Success for nature-based solutions in urban areas**
Map activities across Europe
- 12:30 *lunch*
- 13.30 **Guided tour and walk through the nature reserve of the Isle of Vilm**
JUTTA STADLER, BFN
- 15:00 *coffee/tea & cake*

II Nature-based solutions in climate mitigation and adaptation in urban areas

– Case studies

- 15:30 **Summary of the group discussions: Activities across Europe, Challenges and Indicators of success for nature-based solutions in urban areas**
Presentation of group-work by participants
- 16:15 **Green spaces as cooling islands**
ULRICH NOWIKOW, GRÜNE LIGA
- 16:45 **Berlin's peatlands under climate change**
CHRISTIAN HELLER, DIANA MÖLLER, CHRISTIAN KLINGENFUß UND JUTTA ZEITZ, HU BERLIN
- 17:15 *coffee/tea*
- 17:30 **Short presentations – Research from Young scientists**
- Urban green – Fit for future**
ANJA KRIES, UNIVERSITY OF ROTTENBURG
- Opportunities and troubles of green living walls**
ADELHEID WOLTER, DRESDEN UNIVERSITY OF APPLIED SCIENCES, FACULTY OF AGRICULTURE/
LANDSCAPE MANAGEMENT

Estimating biomass influence on microclimatic conditions in urban areas with spaceborn remote sensing technique

LISA MARIA GANTER, ECNC-GREEN WELCOME CENTRE KLEVE

Ecological Urbanism towards soil conservation and environmental improvement

ANTJE WUNDERLICH, HOCHSCHULE NEUBRANDENBURG

18:30 *dinner*

19:30 **Opportunities, Challenges and Indicators of Success for nature-based solutions in urban areas – outline and discussion of the BfN-conducted review study**

ALETTA BONN AND NADJA KABISCH (IDIV/UFZ)

PLENARY DISCUSSION: Identification of evidence gaps for BfN review study

20.00 Informal get-together

Wednesday, 11. March 2015

08:00 *breakfast*

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

09:00 **Impacts of Climate change on urban biodiversity (incl. invasive non-native species)**

SONJA KNAPP, UFZ

09:30 **Transformation processes in cities – opportunities for nature-based solutions**

NIKI FRANTZESKAKI, DUTCH RESEARCH INSTITUTE FOR TRANSITIONS (DRIFT)

10:00 **Alliance „Municipalities for biodiversity“**

KATRIN ANDERS, CITY OF WERNIGERODE

10:30 *coffee/tea break*

11:00 **World cafe / break out groups**

Discussion of thematic issues concerning

a) impacts of climate change on the urban environment and related impacts on city residents

b) nature-based solutions to mitigation and adaptation, climate related

impacts on city residents and co-benefits
c) information requirements and risks/barriers
d) mitigation & adaptation actions (Instruments – e.g. Planning, Financing, Cons Actions)

12:30 *lunch*

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

Discussion of thematic issues

14:30 **Plenary session**

Presentation of World café results and discussion of additional thematic issues

15:30 *coffee/tea & cake*

IV Ways and means to generate, measure and value co-benefits of nature-based solutions in urban areas

16:00 **Urban Gardening for food production, recreation and social cohesion**

MARTINA ARTMANN, UNI SALZBURG

16.30 **Economic effects of ecosystem services provided by urban green spaces**

RAINER SCHLIEP, TU BERLIN

17.00 **ALTER-Net: Europe's Ecosystem research network & The Nature and Urban Wellbeing Conference 2015 in Ghent**

MARIE VANDEWALLE, UFZ LEIPZIG

17:20 **Outlook on European BfN/ENCA Conference in Bonn (17.-19.11.2015) including discussion of main questions to be addressed in the parallel sessions**

ALETTA BONN, NADJA KABISCH, PLENARY DISCUSSION

18:00 *Evening reception, hosted by the German Federal Agency for Nature Conservation (BfN)*

19.30 **Summary of the workshop and roadmap to future work**

20.30 *Informal get-together. In parallel: informal meeting of the members of the ENCA interest group on climate change*

Thursday, 12. March 2015

07.25 departure (train from Lauterbach/Mole leaving at 8.00 am)

08:00 *breakfast*

09.20 departure (train from Lauterbach/Mole leaving at 10.00 am)