



iDiv

German Centre for
Integrative Biodiversity Research (iDiv)
Halle-Jena-Leipzig

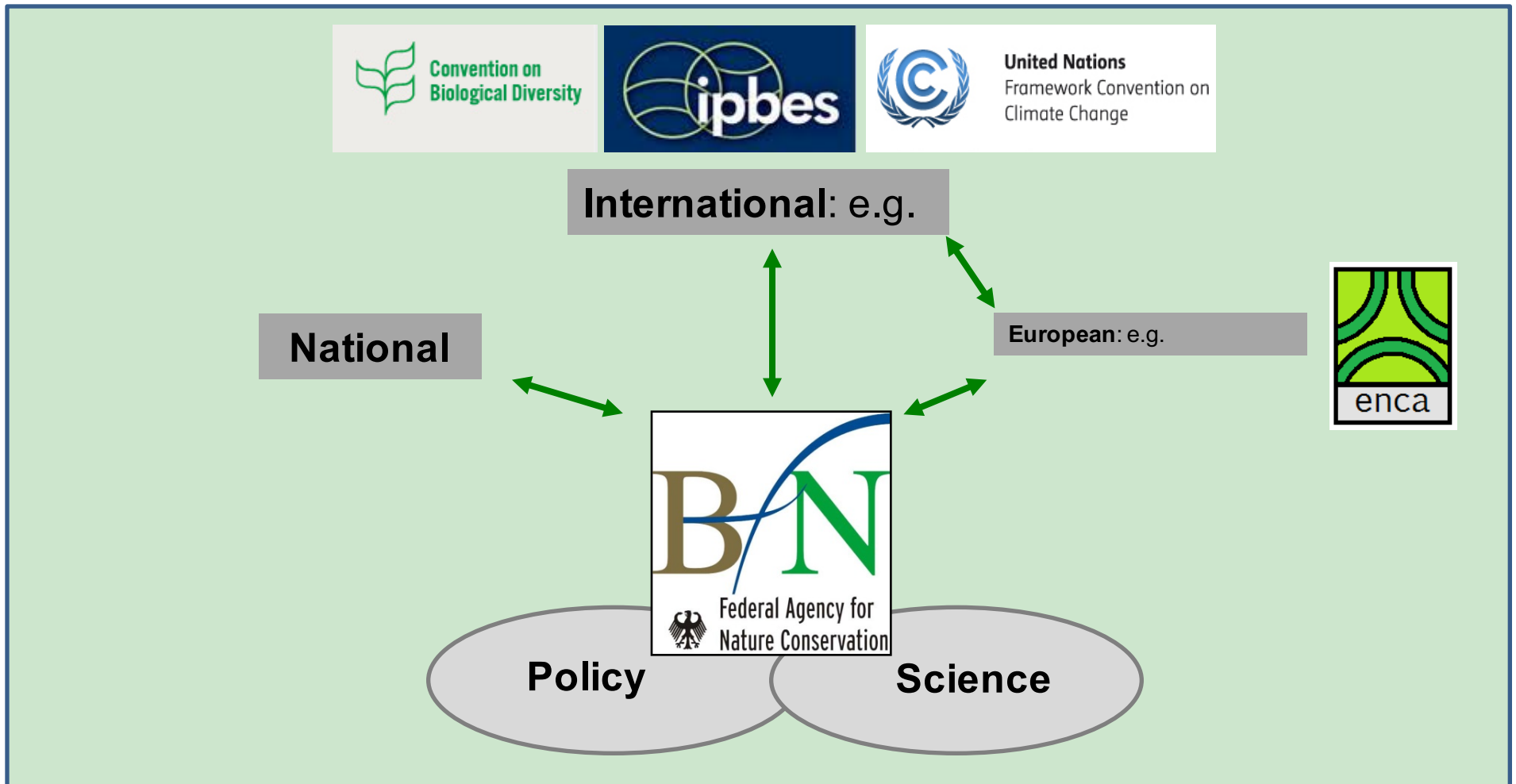


Biodiversity and Health von Deutschland

Dr Melissa Marselle

BfN's Role as “Science-Policy-Interface”


BfN as scientific advisory body of the German Ministry for the Environment (BMUB):



European Conferences on Biodiversity and Climate Change

2011:


Horst Korn, Katrin Kraus and Jutta Stadler (Eds.)
Proceedings of the European Conference
on Biodiversity and Climate Change
– Science, Practice and Policy –



Proceedings

BN
Federal Agency
for Nature
Conservation


BN-Skripten 310
2012



2013:

Horst Korn, Jutta Stadler, Aletta Bonn,
Kathrin Bockmühl and Nicholas Macgregor

Proceedings of the European Conference
on Biodiversity and Climate Change
– Science, Practice and Policy –




Proceedings

BN
Federal Agency
for Nature
Conservation

BN-Skripten
2014

Aletta Bonn, Nicholas Macgregor, Jutta Stadler,
Horst Korn, Sarah Stiffel, Katrin Wolf and Nikki van Dijk


Helping ecosystems in Europe
to adapt to climate change



Scientific study

BN
Federal Agency
for Nature
Conservation


BN-Skripten 375
2014



2015:

Nadja Kabisch, Jutta Stadler, Simon Duffield,
Horst Korn and Aletta Bonn

Proceedings of the European Conference
on Biodiversity and Climate Change
– Science, Practice and Policy –




Proceedings

BN
Federal Agency
for Nature
Conservation

BN-Skripten
2016

Nadja Kabisch, Jutta Stadler, Horst Korn
and Aletta Bonn


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



Scientific study

BN
Federal Agency
for Nature
Conservation

BN-Skripten 446
2016



Theory and Practice of Urban Sustainability Transitions
Editors

**Nature-based
Solutions to
Climate Change
Adaptation in
Urban Areas**

Book

2017:

**Biodiversity and Health in the Face of Climate Change –
Challenges, Opportunities and Evidence Gaps**

27 - 29 JUNE 2017, BONN / GERMANY





World Health
Organization
REGIONAL OFFICE FOR
Europe



HELMHOLTZ
CENTRE FOR
ENVIRONMENTAL
RESEARCH - UFZ



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European BfN/ENCA conference

Biodiversity and Health in the Face of Climate Change

27. - 29. June 2017 in Bonn/Germany

ENCA Recommendations for Biodiversity and Health

1. **Increase the evidence base of the contributions of biodiversity for human health and wellbeing.**
2. **Increase awareness of the human health and wellbeing effects of natural environments and biodiversity.**
3. **Highlight the co-benefits of nature-based solutions for climate change adaptation to policy-makers and regional planning authorities.**
4. **Foster application of nature-based solutions for climate change adaptation from society and policy**
5. **Effectively design and manage green spaces to ensure people have contact with nature and biodiversity**

Biodiversity, health and climate change



Springer

Edited by: Melissa Marselle, Jutta Stadler, Horst Korn, Katherine Irvine & Aletta Bonn

Aims of the book:

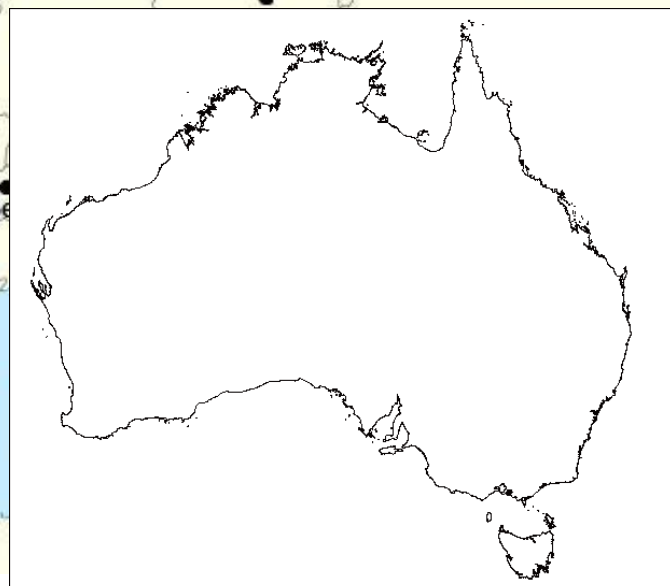
- identify **biodiversity's contribution to physical, mental and social health and wellbeing.**
- Highlight the **implications** of the biodiversity-health relationship for nature conservation, public health, sustainable behaviours & natural capital
- **policy & practice support** for biodiversity and health
- Outline how to **plan and manage urban green spaces** for biodiversity and health in a changing climate

Biodiversity, health and climate change



Springer

Edited
Stadl



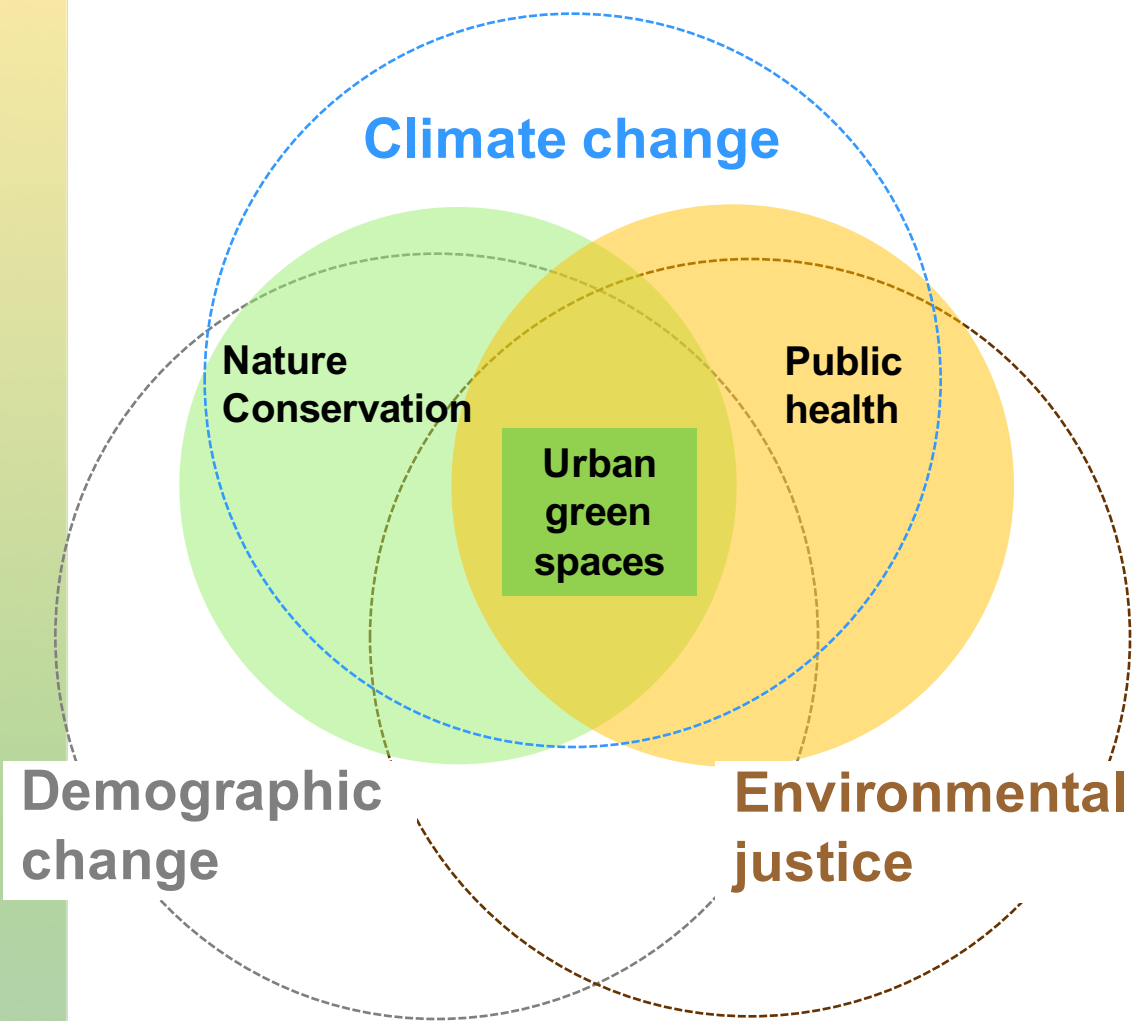
Medicinal plants



The BfN has supported important research on the use, conservation and trade of medicinal and aromatic plant species.

- Convening of the First International Symposium on the Conservation of Medicinal Plants in Trade in Europe (1998).
- Supported development of the International Standard for Sustainable Wild Collection of Medicinal and Aromatic Plants (ISSC-MAP) → a precursor to FairWild.
- Provided leadership within CITES with regard to the application of the Convention to medicinal and aromatic species.

BfN Research Project: „Green, natural, healthy”



English version: www.bfn.de/0321_veroe.html

Results

- Analysis of user groups
- Assessment criteria to determine health promoting potentials of urban green spaces
- ‘List of good arguments’ for planners



Health professionals in the planning process

North Rhine Westphalia (NRW)

Landeszentrum Gesundheit
Nordrhein-Westfalen



NRW Public Health Services Act (ÖGDG NRW) from 1997 **§ 8 'Participation in Planning Approvals'**

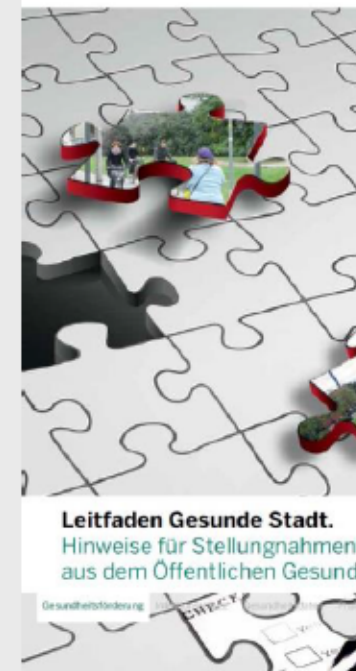
The local public health authorities are prompted to participate in municipal and district development of policies, plans and proposals if health concerns are affected, to ascertain compatibility of health impacts.

NRW Centre for Health (LZG NRW)

- Supports local government and local public health authorities in the development and implementation of health-related planning and implementation of health orientated planning initiatives.

Healthy Urban Development Guidelines for NRW

- translation of *Healthy Urban Development Checklist* from Australia (NSW), published 2009
- adapted for NRW-context
- goal: raise awareness and support cooperation of stakeholders especially from spatial planning and health sector
- application in (urban) planning and development approvals
- structuring experts' opinions concerning policies, plans and proposals
- contribution of the public health sector to setting-oriented prevention
- instrument for integrated, sustainable policy development and healthy urban planning
- published end of 2016



For further reading (in German):





) thematic chapters

Transport and physical connectivity

Quality employment

Environment and health

Public open spaces



Physical activity

Housing

Social infrastructure

Social cohesion and social connectivity

Community safety and security

Healthy food

Structure of the chapters:

- Introduction
- Relevance to NRW
- Key Evidence and Leading Practice
- Further reading /information
- Key questions
- Detailed checklist questions



Key questions of chapter „Public Open Spaces“

Are there likely to be significant issues related to ...

- Access to green space and natural areas?
- Public spaces that are safe, healthy, accessible, attractive and easy to maintain?
- Quality streetscapes that encourage activity?
- Sense of cultural identity, sense of place and public art?
- Preservation and enhancement of places of natural, historic and cultural significance?



Thank you for your attention!



Foto: P. Grote

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With contributions from: Prof Dr Beate Jessel, Jutta Stadler, Thomas Claßen & Teresa Mulliken.