

## Program of the International Expert Workshop

# Uncertainty and Distribution in Natural Capital Valuation

June 28-29, 2021 | ZOOM-Webconference ([zoom-link](#))

[Note: All times are in Central European Summer Time (CEST); UTC+2]

### Monday, 28 June 2021

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#### Opening of the Workshop

14:00–14:15 **Martin Quaas** (German Centre for Integrative Biodiversity Research, iDiv)  
*Motivation for workshop, the ValuGaps-Project, workshop program*

#### Panel A: How to conceptualize the value of natural capital? Moderation: Moritz Drupp

14:15–15:00 **Stefan Baumgärtner** (University of Freiburg)  
*Valuing natural capital – measurement concepts for uncertainty and distribution*

15:00–15:45 **Carl Obst** (Institute for Development of Environmental-Economic Accounting (IDEEA Group))  
*The SEEA Ecosystem Accounting framing of natural capital values and the role of national accounting principles*

15:45–16:15 Coffee break

#### Panel B: How to scale and transfer natural capital values? Moderation: Martin Quaas

16:15–17:00 **Robert J. Johnston** (Clark University)  
*Estimating the Value of Information from Non-Market Valuation Studies Using Meta-Analysis* (with Stephen Newbold, University of Wyoming)  
[Link](#)

17:00–17:45 **Heini Ahtiainen** (Natural Resources Institute Finland)  
*Transfer of natural capital values – insights from international studies on marine resources*

17:45–18:30 **Jasper Meya** (iDiv)  
*Structural benefit transfer for natural capital valuation: Accounting for intra- and intertemporal inequality* [Link](#)

**Tuesday, 29 June 2021**

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**Panel C: How to design primary valuation studies to enable scaling and transfer of natural capital values? Moderation: Britta Tietjen**

- 14:00–14:45      **Ben Groom** (University of Exeter)  
*A target and cost-based approach to shadow pricing biodiversity.*
- 14:45–15:30      **Katherine v. Graevenitz** (ZEW – Centre for European Economic Research)  
*Revealed preferences, preference heterogeneity, and neighborhood composition*

15:30–15:45      Coffee break

**Policy Panel: What are the key uncertainties for and barriers to a comprehensive natural capital valuation in practice? Moderation: Andrea Perino**

- 15:45–16:45      **Bert Hof** (PBL Netherlands Environmental Assessment Agency)  
**Alastair Johnson** (UK Department for Environment Food & Rural Affairs)  
**Alessandra La Notte** (European Commission – Joint Research Center)  
**Simon Schürz** (Federal Statistical Office of Germany)

16:45–17:00      Coffee break

**Panel D: How to move natural capital valuation forward? Moderation: Aletta Bonn**

- 17:00–17:45      **Nick Hanley** (University of Glasgow)  
*Challenges in valuing natural capital for sustainability measurement: substitution, shadow prices and exchange values*  
(with Brett Day, University of Exeter)
- 17:45–18:30      **Gretchen Daily** (Stanford University)  
*Integrating Natural Capital into Decisions - Scaling Pathways for Transformation*

**Summary and Farewell**

- 18:30–18:40      **Martin Quaas** (iDiv)

## Link to join ZOOM-webinar for external attendees (Webinar passcode: nature)

<https://zoom.us/j/92192319413?pwd=b2JBd2lrbUo4Uk5YenNRdU1tWnlZUT09>

Presenters will receive a separate link via e-mail shortly before the workshop.

## Aims and Background

This expert workshop brings together around fifteen internationally leading scholars and key administrative actors in the field of natural capital valuation. The workshop aims at improving our understanding of how to deal with two key challenges for measuring natural capital values: the *uncertainty* in future natural capital dynamics and the *distribution* of economic and environmental resources.

We will discuss how to account for uncertainty and distribution (i) in the concept of natural capital values, (ii) in the use and design of primary value studies, (iii) in the methods for scaling and transferring natural capital values, and (iv) when systematically integrating natural capital values in national accounts. The workshop will identify current research frontiers, including obstacles for a comprehensive valuation of natural capital in practice, and advance the concept of natural capital valuation.

## Presentations

- Keynote presentation: 45 min in total (ca. 30 min presentation + 15 min for discussion and feedback)
- Policy panel: max. 10 min per input + 20 min discussions on the panel

## Hosts

Aletta Bonn, Jasper Meya, Martin Quaas (German Centre for Integrative Biodiversity Research)

Stefan Baumgärtner (University of Freiburg)

Björn Bünger, Astrid Matthey (German Environment Agency)

Beyhan Ekinci, Burkhard Schweppe-Kraft (German Federal Agency for Nature Conservation)

Moritz Drupp (University of Hamburg)

Britta Tietjen (Freie Universität Berlin)

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