



Federal Agency for
Nature Conservation

ValuGaps
BMBF-Forschungsprojekt
zur Inwertsetzung von Naturkapital

Umwelt
Bundesamt

Summer School “Economic Valuation of Natural Capital: From Theory to Practice”

08.–13. July 2024
International Academy for Nature
Conservation Isle of Vilm

PROGRAM





UNIVERSITÄT
LEIPZIG



Program

Monday, 08.07.2024

Arrival	Ferry crossings from port Lauterbach/Mole at 16:10, 17:10 and 18:10
18:00	<i>Dinner</i>
19:30	Welcome and organisation Jutta Stadler & Harry Götz, German Federal Agency for Nature Conservation (BfN)
19:45	Opening speech Martin Quaas, Leipzig University, German Centre for Integrative Biodiversity Research (iDiv) Halle-Jena-Leipzig
20:00	Get together

Tuesday, 09.07.2024

<i>From 07:30</i>	<i>Breakfast</i>
09:00	Environmental economic valuation: current trends and future directions Jan Philipp Schägner, German Environment Agency (UBA)
09:45	Theory of ecosystem service valuation Martin Quaas, Leipzig University, German Centre for Integrative Biodiversity Research (iDiv) Halle-Jena-Leipzig
10:45	<i>Coffee break</i>
11:00	Theory of natural capital valuation Martin Quaas, Leipzig University, German Centre for Integrative Biodiversity Research (iDiv) Halle-Jena-Leipzig
11:45	Ethical considerations regarding environmental economic valuation Björn Bünger, German Environment Agency (UBA)
12:30	<i>Lunch</i>

13:30	Quantifying ecosystem services with ecological models Fanny Langerwisch, Freie Universität Berlin
14:15	Non-monetary values with focus on relational values and health Aletta Bonn, German Centre for Integrative Biodiversity Research (iDiv) Halle-Jena-Leipzig, Helmholtz Centre for Environmental Research (UFZ)
15:15	<i>Coffee break</i>
15:30	Human health and wellbeing in relation to greenspace exposure Marie Meemken, Leipzig University, German Centre for Integrative Biodiversity Research (iDiv) Halle-Jena-Leipzig
16:45	<i>Break</i>
17:00	Panel discussion
18:00	<i>Dinner</i>
21:00	UEFA Euro semi-final viewing (optional)

Wednesday, 10.07.2024

From 07:30 Breakfast

09:00	Limited substitutability, benefit transfer and the value of scarce ecosystems - theory and empirical evidence Moritz Drupp, Simon Disque, Universität Hamburg
10:45	<i>Coffee break</i>
11:00	Participants presentations 7min + 3 min Q&A Economic valuation of coastal ecosystem services: a choice experiment approach to northern Portugal , Sebastiano Bacca, Global Climate Forum e.V. (GCF) Economic evaluation of the ecosystem services of irrigated agrosystems managed by the Consorzi di Bonifica in Veneto Region, Italy , Linda Barci, ETIFOR Srl Planning sustainable urban lighting for biodiversity and society , Chloé Beaudet, Paris-Saclay, Applied Economics



Flood adaptation and its effect on urban form; climate policies and green party performance in local elections, Konrad Bierl, Humboldt University Berlin

Incorporating use values into ecosystem specific accounts: Recreational value generated by saltmarsh at a mixed ecosystem site, Geraldine Doolan, Cairnes School of Business and Economics, University of Galway

Consumer preference for sustainably sourced seafood: implications for fisheries dynamics and management, Isha Dube, German Centre for Integrative Biodiversity Research (iDiv) Halle-Jena-Leipzig

Achieving cooperation with non-convex ecosystem dynamics, Felber, Nora, University of Freiburg

Ecosystem service valuation in the agricultural carbon dioxide removal context - a deliberative choice experiment approach, Samuel Fischer, Helmholtz Centre for Environmental Research (UFZ)

From gross to net: carbon dioxide removal in an analytic climate Economy, Felix Meier, German Centre for Integrative Biodiversity Research (iDiv) Halle-Jena-Leipzig

12:30	<i>Lunch</i>
13:30	Walk through the nature reserve Isle of Vilm guided by Irene Lautenschlager, German Federal Agency for Nature Conservation (BfN) (optional) Meeting point: Conference house
15:15	<i>Coffee break</i>
15:30	SEEA-EA: International developments and German applications Simon Felgendreher, German Federal Statistical Office
16:45	<i>Break</i>
17:00	Economic valuation of biodiversity - restoration cost, market prices and willingness to pay Burkhard Scheweppe-Kraft, German Federal Agency for Nature Conservation (BfN) retired
17:30	Participants presentations 7min + 3 min Q&A Exploring public values and preferences for marine biodiversity in Europe using deliberative choice experiments , Gilles Jean-Louis, Helmholtz Centre for Environmental Research (UFZ)

Economic valuation of ecosystem services as an instrument for the management of protected areas in the tropical rainforest biome, Anelise Gomes da Silva, Universidade Nova de Lisboa

Empirical evidence on relative price changes of ecosystem services, Jonas Heckenhahn, Ruhr University Bochum

18:00 **BBQ**

21:00 **UEFA Euro semi-final viewing (optional)**

Thursday, 11.07.2024

From 07:30 Breakfast

09:00 **Introduction to choice experiments and contingent valuation and other valuation methods**

Julian Sagebiel, Leipzig University, German Centre for Integrative Biodiversity Research (iDiv) Halle-Jena-Leipzig

10:00 **The value of German grasslands: a choice experiments**

Julian Sagebiel, Leipzig University, German Centre for Integrative Biodiversity Research (iDiv) Halle-Jena-Leipzig

10:45 **Coffee break**

11:00 **Participants presentations 7min + 3 min Q&A**

Investigating the effect of habitat fire resistance on life satisfaction in developing nations using propensity score matching, Carla Hunklinger, Kiel University

Challenges and opportunities of integrating ecosystem services and socio- economic valuation into infrastructure and restoration planning of Germany's federal waterways, Marie-Isabell Lenz, German Federal Institute of Hydrology

Valuing the biodiversity and ecosystem benefits and costs of wetland restoration, Raivonen Leo, Natural Resources Institute Finland

Impact Institute's work in natural capital and biodiversity assessment and valuation, Loes Verdonk, Impact Institute, Amsterdam



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Economic analysis of multifunctional fruit production landscapes to promote ecosystem services and sustainable land-use, Henrique Andre Manhique, Brandenburg University of Technology Cottbus-Senftenberg

A choice experiment analysis in divergent cultural contexts in Ecuador and Spain, Maritza Satama, WSL, Economics and Social Sciences group

Ecosystem service in practice - experiences from landscape- and urban planning, Jan Schroeter, Transparent Tree

Dasgupta meets Nordhaus: natural capital dynamics in Integrated assessment of climate change, Malin Wiese, Leipzig University

Willingness to pay for landscape benefits: Examining variation by landscape type in Lower Silesia, Poland, Katarzyna Zagórska, University of Warsaw

12:30 *Lunch boxes*

13:00 **Excursion to Rügen (optional)**

Meeting point: Ferry pier

18:30 *Dinner*

20:00 **Visiting the photo exhibition “Der Baum und ich” by Volkmar Herre (optional)**

Meeting point: Conference house

Friday, 12.07.2024

From 07:30 Breakfast

09:00 **Hedonic pricing: theoretical considerations and practical applications**
Veronika Liebelt, German Federal Agency for Nature Conservation (BfN)

09:45 **Quantifying ecosystem services with ecological models**
Fanny Langerwisch, Freie Universität Berlin

10:45 *Coffee break*

11:00 **Break-out sessions:**

Analyzing Choice Experiments with R, Julian Sagebiel

Bio-physical quantification of ecosystem services: Mind the gap between ecology and economics, Fanny Langerwisch, Jan Philipp Schägner

12:30 *Lunch*

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- 13:30 **Economic valuation and the Marine Strategy Framework Directive**
Harry Gölz, German Federal Agency for Nature Conservation (BfN)

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- 14:15 **The standardisation of environmental value factors and German applications**
Björn Bünger, German Environment Agency (UBA)

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- 14:45 **Amenity values of urban green - a Germany-wide approach**
Burkhard Schweppe-Kraft, German Federal Agency for Nature Conservation (BfN) retired

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- 15:15 *Coffee break*

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- 15:30 **Break-out sessions:**
Analyzing Choice Experiments with R, Julian Sagebiel
Bio-physical quantification of ecosystem services: mind the gap between ecology and economics, Fanny Langerwisch, Jan Philipp Schägner

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- 16:45 *Break*

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- 17:00 **Valuation of recreation related ecosystem services - methods and results from Germany**
Burkhard Schweppe-Kraft, German Federal Agency for Nature Conservation (BfN) retired

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- 17:30 Group work / break-out session presentation

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- 17:40 Feedback round & Closing remarks

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- 18:00 *Dinner*

Saturday, 13.07.2024

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- From 07:30 Breakfast*

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- 07:25 **Departure ferry 1 (from Vilm)**
Packed breakfast will be provided

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- 08:25 **Departure ferry 2**

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- 09:20 **Departure ferry 3**

Contact information

International Academy for Nature Conservation Isle of Vilm (INA)
Federal Agency for Nature Conservation (BfN)
German Environment Agency (UBA)

Content

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Organizational issues

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Cover picture: © U. Euler

International Academy for Nature Conservation Isle of Vilm

A platform for dialogue

The INA is a centre for capacity building and dialogue on issues with relevance to nature conservation on national and international level. The unique natural setting of the academy and the transdisciplinary, international orientation of various workshops have attracted around 50,000 people from 150 countries to Vilm since the establishment of the INA in 1990.

In cooperation with other organisations, the INA provides about 60 workshops, retreats, conferences and training events each year on national and international nature conservation topics.

More information:

www.bfn.de/en/ina

