

# Agenda

## Expert meeting on Ecosystem Valuation in the context of Natural Capital Accounting

Building Bridges between Policy, Welfare Economics and  
Accounting

24-26 April 2018

German Federal Agency for Nature Conservation -  
Bundesamt für Naturschutz (BfN)

Konstantinstraße 110  
53179 Bonn

Germany



## Tuesday – April 24<sup>th</sup>

8:15-9:00	Registration
<b>Welcome and introduction</b>	
Moderator: <i>Eduard Interwies, InterSus</i>	
9:00 - 9:20	Natural Capital Accounting – Building bridges between policy, welfare economics and accounting <i>Thomas Graner - Deputy President of the German Federal Agency for Nature Conservation (BfN)</i>
9:20- 9:30	Aims and structure of the expert meeting <i>Beyhan Ekinici - BfN</i> <i>Eduard Interwies - InterSus</i>
<b>Session 1: Setting the scene</b>	
Moderator: <i>Eduard Interwies, InterSus</i>	
<i>This session will introduce the policy demand for ecosystem accounting and valuation as well as the current initiatives at international level to respond to these demands. It will also present the System of Environmental Economic Accounting Experimental Ecosystem Accounting (SEEA EEA), the Technical Recommendations in support of the SEEA EEA and elaborate on the research agenda for the revision of the SEEA EEA.</i>	
9:30 - 09:45	SEEA EEA: Framework, revision process and research agenda <i>Alessandra Alfieri - UNSD</i>
09:45-10:15	Policy demand and current debate surrounding valuation issues <i>Salman Hussain - UN Environment and Laure Ledoux – EU DG Environment</i>
<i>Coffee break</i>	
10:45-11:15	Overview of the SEEA Experimental Ecosystem Accounting, with examples from the Netherlands <i>Sjoerd Schenau, Statistics Netherlands</i>
11:15-11:30	KIP INCA: The EU Knowledge Innovation Project on an Integrated System for Natural Capital and Ecosystem Services Accounting <i>Lisa Waselikowski and Veronika Vysna, EUROSTAT</i>
11:30-12:00	Discussion
<i>Lunch</i>	
<b>Session 2: The valuation of ecosystem services for accounting</b>	
Moderator: <i>Salman Hussain, UN Environment</i>	
<i>This session will discuss issues on the valuation of ecosystem services, including the relationship between exchange values, following the SNA principles of valuation, and welfare valuation. Theoretical developments in the comprehensive “green” accounting literature will be discussed with implications for measurement. The session will also discuss institutional arrangements that are assumed in case of non-market valuation.</i>	
<b>Plenary</b>	
13:00 - 15:00	<ul style="list-style-type: none"> <li>• Key issues in the valuation of ecosystem services for ecosystem accounting <i>Carl Obst – Editor revised SEEA EEA, IDEEA Group</i></li> <li>• Theoretical developments of the comprehensive (or “green”) national accounting literature <i>Geir Asheim – University of Oslo</i></li> <li>• Compatibility between consumer surplus based values and real income <i>Burkhard Schweppe-Kraft – BfN</i></li> <li>• Learning from 30 years of non-market valuation <i>Luke Brander – VU University Amsterdam and University of Hong Kong</i></li> <li>• Ecosystem services and asset valuation in the RECAMAN project: integrating market and simulated exchange values <i>Alejandro Caparrós – Spanish National Research Council</i></li> </ul>
<i>Coffee break</i>	
15:30-16:00	Panel discussion with discussants ( <i>Juha Siikamaki - IUCN</i> ), ( <i>Gerhard Boucher - Statistics South Africa</i> ) and speakers

<b>Parallel sessions on selected cultural and regulating services</b>	
<i>Parallel sessions will be organized to discuss accounting and welfare valuation-based approaches for selected cultural and regulating services with the objective of identifying best practices for valuation methods in different ecological, socio-economic and data environments.</i>	
16:00 - 17:30	Parallel working groups on regulating services with short keynotes on country examples <ul style="list-style-type: none"> <li>• <b>Air filtration</b> <i>Rocky Harris - Defra</i> <i>Lars Hein - Wageningen University</i></li> <li>• <b>Erosion control / sediment retention</b> <i>Takashi Hayashi - Japan Policy Research Institute</i> <i>Jane Turpie - University of Cape Town</i></li> <li>• <b>Pollination</b> <i>Alessandra la Notte - EU Joint Research Center</i> <i>Juha Siikamaki - IUCN/ESAfD</i></li> <li>• <b>Urban recreation</b> <i>David Barton - Norwegian Institute for Nature Research Oslo</i> <i>Jens Kolbe - Technical University Berlin</i></li> </ul>
<b>Plenary</b>	
17:30	End of Day

### Wednesday – April 25th

<b>Session 2: Valuation methods for key ecosystem services, continued</b>	
<b>Parallel sessions on selected cultural and regulating services</b>	
<i>Parallel sessions will be organized to discuss accounting and welfare valuation-based approaches for selected cultural services with the objective of identifying best practices for valuation methods in different ecological, socio-economic and data environments.</i>	
9:00- 10:00	Recap of Day 1 including short reports from parallel session chairs, followed by group discussion.  Introduction Day 2 <i>Salman Hussain - UN Environment</i>
10:00-11:30	Parallel working groups on cultural and regulating services with short keynotes on country examples <ul style="list-style-type: none"> <li>• <b>Nature-based recreation/tourism</b> <i>Marisol Rivera - SEMARNAT</i> <i>Manuel Woltering - University of Würzburg</i></li> <li>• <b>Climate regulation (carbon sequestration and storage):</b> <i>Lars Hein - Wageningen University</i> <i>Peter Elsasser - Thünen Institute</i></li> <li>• <b>Water Purification by streams and floodplains</b> <i>Mathias Scholz - Centre for Environmental Research (Germany)</i> <i>Alessandra La Notte - EU Joint Research Center</i> <i>Jane Turpie - South Africa</i></li> <li>• <b>Flood control / water flow regulation</b> <i>Jesko Hirschfeld - Technical University Berlin</i> <i>Takashi Hayashi - Japan Policy Research Institute</i></li> </ul>
<b>Plenary</b>	
11:30-12:30	Short reports from parallel session chairs followed by discussion
<b>Lunch</b>	

<b>Session 3: Valuing ecosystem wealth, degradation and/or enhancement</b>	
<i>Moderator: Bram Edens, UNSD</i>	
<i>The session will discuss valuation of stocks of ecosystem assets (or wealth), their degradation and/or enhancement over time. Issues include: assumptions on discount rates, asset life, projections of service values when using the net present value (NPV); alternative valuation approaches for estimating wealth; relationship to market values; defining and valuing the degradation of ecosystems in nominal and real terms; cost versus damage-based approaches; attributing degradation costs to economic actors; treatment of defensive expenditures.</i>	
<b>Plenary</b>	
13:30 - 14:30	<ul style="list-style-type: none"> <li>World Bank's Wealth Accounting <i>Raffaello Cervigni – World Bank</i></li> <li>Inclusive wealth index <i>Salman Hussain - UN Environment</i></li> <li>Valuing Natural Capital in the Context of Ecosystem Based Management <i>Eli Fenichel - Yale University</i></li> </ul>
<i>Coffee Break</i>	
14:45 - 15:45	<ul style="list-style-type: none"> <li>A «collectively recognized ecological debt» based on a measure of the cost of ecosystem degradation <i>Yann Kervinio – Ministry for an Ecological a. Solidary Transition (FRA)</i></li> <li>Applying the concept of defensive expenditures to ecosystem degradation and enhancement <i>Hans Diefenbacher – University of Heidelberg</i></li> <li>Mexico's experiences in economic valuation of environment and policies <i>Raul Figueroa Diaz – National Institute of Statistics and Geography (INEGI)</i></li> </ul>
Excursion to Drachenfels and joint dinner (19:15 @ DelikArt Restaurant, Colmantstraße 14 – 16, 53115 Bonn. incl. food and non-alcoholic drinks)	

### Thursday – April 26th

<b>Session 3: Valuing ecosystem wealth, degradation and enhancement, continued</b>			
9:00 - 10:00	<ul style="list-style-type: none"> <li>Ecosystem wealth, degradation and enhancement in SEEA-EEA - Key issues and including a recap of Day 2 <i>Carl Obst – Editor revised SEEA EEA, IDEEA Group</i></li> <li>The UK-case - projecting future services for ecosystem asset valuation <i>Rocky Harris - Defra</i></li> <li>The corporate natural capital account framework- distinguishing assets and liabilities <i>Will Evison – PricewaterhouseCoopers/Natural Capital Coalition</i></li> </ul>		
Parallel Sessions: 4 to 6 groups.			
10:00 - 11:00	<table border="1" style="width: 100%;"> <tr> <td style="width: 50%;">2 to 3 groups discussing the <b>2 primary alternative approaches to valuation of ecosystem assets, namely the present value of future benefit flows and restoration cost-based approaches.</b></td> <td style="width: 50%;">2 to 3 groups discussing <b>challenges and solutions to measuring the present value of ecosystem assets.</b> -</td> </tr> </table>	2 to 3 groups discussing the <b>2 primary alternative approaches to valuation of ecosystem assets, namely the present value of future benefit flows and restoration cost-based approaches.</b>	2 to 3 groups discussing <b>challenges and solutions to measuring the present value of ecosystem assets.</b> -
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<i>Coffee break</i>			
<b>Plenary</b>			
11:15 - 12:15	Report back by parallel discussion group chairs		
<b>Session 4: Policy, science, accounting and business interface</b>			
<i>The session will discuss a number of issues at the nexus of policy, science, and accounting (public and business) such as best ways to communicate the results of valuation studies, which indicators can inform what policies and what are the enabling conditions to mainstream the valuation exercises within ecosystem assessments as well as accounting.</i>			

<b>Plenary</b>	
12:15 – 13:00	Moderator: <i>Eduard Interwies – InterSus</i> Facilitated panel discussion part I Science: Jan Erik Petersen - European Environment Agency Policy: Jakub Wejchert – EU DG Environment M.P. Johnson - Ministry of Environment, Forest & Climate Change India Accounting: Sven Kaumanns - Federal Statistical Office of Germany Ivone Lopes Batista - IBGE Business: Will Evison - Natural Capital Coalition
<i>Lunch</i>	
<b>Plenary</b>	
14:00 – 14:45	Moderator: <i>Eduard Interwies – InterSus</i> Facilitated panel discussion part II
<b>Session 5: Conclusions and way forward</b> <i>Moderators: UNSD /UN Environment / BfN</i> <i>This session will revisit the main outcomes of the meeting in light of the objectives and discuss the next steps both in the EU context as well as within the SEEA EEA revision process.</i>	
14:45 – 15:15	Draw conclusions with respect to the objectives of the meeting and next steps
15.15-15.30	Closing remarks <i>EU FPI – Daniel Van Assche ; UNSD – Alessandra Alfieri ; UN Environment – Salman Hussain ; BfN – Beyhan Ekinci</i>