

Post-conference workshop
4th Norwegian Ecological Society Conference

13th February 2019, Tromsø.

Title: Do ecosystem services provide a bridge between ecology and society?

Proposers: Graciela M. Rusch (NINA), Camilla Brattland (UiT) and Margrethe Aanesen (UiT).

The workshop consists of a session with presentations and a session of discussion based on some readings that will be provided to the participants ahead. The presentations will address the ES framework and its conceptual developments, and a series of place-based cases from Norway illustrating the use of methods and approaches in ecosystem services research and applications aimed to improve decision making on biodiversity conservation and sustainable use. The participants will then discuss challenges in the application of the ES framework in breakout groups, which will be discussed further in a panel debate at the end of the workshop. The aim of the workshop is thus to provide participants with a good cross-disciplinary knowledge of issues in the application of the ES framework in ecological and societal contexts.

Program

09:00 – 09:10 Welcome and introduction. Graciela Rusch.

09:10 – 09:30 Graciela Rusch. Introduction to ES concepts. Two examples of applications: “Pollination services in urban settings” and “A deliberative approach to improve legitimacy in conservation planning”.

09:30 – 09:50 Signe Nybø. Assessment of wetland ES in Norway (tentative title).

09:50 – 10:10 Margrethe Aanesen. How can monetary valuation help improve decisions on sustainable use of marine resources?

Coffee break

10:30 – 10:55 Jan Vermaat (NMBU). Ecosystem services: sobering down to an empirical tool.

10:55 – 11:15 Camilla Brattland. Indigenous and local knowledge in ecosystem services assessments using the IPBES approach.

11:15 – 11:45 Questions to the talks. Discussion

Lunch 11:45 – 12:30

12:30 – 13:40 Introduction to breakout groups by Camilla Brattland

12:40 – 13:00 Breakout groups session 1 – ES applied to “ecology” and “society”

13:00 – 13:40 Breakout groups session 2 – ES trade-offs and challenges in management of social-ecological systems

Coffee break

14:00 – 14:45 Panel debate consisting of representatives from breakout groups. Moderator Graciela Rusch

14:45 – 15:00 Closing comments and goodbye

Suggested readings:

- Acuña, V., J. R. Díez, L. Flores, M. Meleason, and A. Elosegí. 2013. Does it make economic sense to restore rivers for their ecosystem services? *Journal of Applied Ecology* **50**:988-997.
<https://besjournals.onlinelibrary.wiley.com/action/showCitFormats?doi=10.1111%2F1365-2664.12107>
- Braat, L. C., and R. de Groot. 2012. The ecosystem services agenda: Bridging the worlds of natural science and economics, conservation and development, and public and private policy. *Ecosystem Services* **1**:4-15.
<https://www.sciencedirect.com/science/article/pii/S2212041612000162>
- Magnussen, K., J. W. Bjerke, C. Brattland, S. Nybø, and J. Vermaat. 2018. Verdien av økosystem tjenester fra våtmark. Menon Economics, Oslo. <https://www.menon.no/wp-content/uploads/2018-42-Verdien-av-økosystemtjenester-i-våtmark.pdf>
- Reyers, B., R. Biggs, G. S. Cumming, T. Elmqvist, A. P. Hejnowicz, and S. Polasky. 2013. Getting the measure of ecosystem services: a social-ecological approach. *Frontiers in Ecology and the Environment* **11**:268-273.
<https://esajournals.onlinelibrary.wiley.com/doi/full/10.1890/120144>
- Tengö, M., R. Hill, P. Malmer, C. M. Raymond, M. Spierenburg, F. Danielsen, T. Elmqvist, and C. Folke. 2017. Weaving knowledge systems in IPBES, CBD and beyond—lessons learned for sustainability. *Current Opinion in Environmental Sustainability* **26-27**:17-25.
<https://www.sciencedirect.com/science/article/pii/S1877343517300039>
- Westman, W. E. 1977. How much are nature's services worth? *Science* **197**:960-964. (attached).
- Aanesen, M., J. Falk-Andersson, G. K. Vondolia, T. Borch, S. Navrud, and D. Tinch. 2018. Valuing coastal recreation and the visual intrusion from commercial activities in Arctic Norway. *Ocean & Coastal Management* **153**:157-167. <https://www.sciencedirect.com/science/article/pii/S0964569117305069>
- Aanesen, M., C. Armstrong, M. Czajkowski, J. Falk-Petersen, N. Hanley, and S. Navrud. 2015. Willingness to pay for unfamiliar public goods: Preserving cold-water coral in Norway. *Ecological Economics* **112**:53-67.
<https://www.sciencedirect.com/science/article/pii/S0921800915000464>