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### Research interests

- social ecological transformation and structural change
- ecological economics
- degrowth
- indicators and measurement systems
- sustainable food systems and the right to food
- philosophy of science/critical realism

### Projects

Current: Doctoral dissertation: *The role of numbers in environmental politics: The Economics of Ecosystems and Biodiversity (TEEB)*

Former projects: Project leader for three European Commission (Eurostat) projects 2008-2011:

1. Environmental Economic Accounts: Requirements for energy statistics in energy accounts
2. Environmental Accounts: Environmental goods and services sector; Environmentally related taxes
3. Expanding Environmental Accounts: energy, waste and environmentally motivated transfers

### Publications

#### Books/monographies

Smith, Tone (1996): *Matvaresikkerhet. En analyse av strategier for økning av matvaresikkerheten i Sør* (Food security. An analysis of strategies for improving food security in developing countries). Hovedoppgave i Samfunnsgeografi (Master thesis). Universitetet i Oslo. August 1996.

#### Chapters in Edited Books

Puller, Armin and Tone Smith (forthcoming 2016): *A Critical and Realist Approach to Ecological Economics*. In Spash, Clive L.: *Handbook of Ecological Economics. Nature and Society*. Routledge, London.

Smith, Tone (1995): *Befolkningsutvikling, matforsyning og ernæringsforhold* (Population, food supply and nutrition). In Samfunnsgeografi Hovedfagsårbook 1995, Universitetet i Oslo.

#### Papers presented at scientific Conferences

Smith, Tone (2017): *Bulding on Polanyi to strengthen the social aspect of ecological economics*. Presented at the conference "A Great Transformation? Global Perspectives on Contemporary Capitalisms", 9-13 Jan in Linz/Austria.

Smith, Tone (2016): *The Razor's Edge: Realist versus social constructivist perceptions of environmental limits*. Presented at the 5th International Degrowth Conference, 30 Aug - 3 Sept in Budapest/Hungary.

Smith, Tone (2015): *Living with limits and the reality of achieving change*. Presented at the ESEE Conference 2015 (European Society for Ecological Economics), 30 June - 3 July in Leeds/UK.

Smith, Tone (2014): *Degrowth and Planetary Boundaries. How should the degrowth movement address the issue of planetary boundaries?* Presented at the 4th International Degrowth Conference, 2-6 September in Leipzig/Germany.

Smith, Tone (2012): *Green numbers or less numbers for a new green economy?* Joint conference AHE, IIPPE and FAPE, 5-7 July in Paris/France.

Smith, Tone (2011): *The role of numbers in environmental decision-processes*. 1st Vienna Workshop on Sustainable Development for Doctoral Student (VWSD), 23-24 November at WU Vienna/Austria.

Smith, Tone (2011): *The limits of metrics. Alternatives to measurement-based environmental decision-making*. Presented at the ESEE Conference 2011 (European Society for Ecological Economics), 14-17 June in Istanbul/Turkey.

Smith, Tone (2009): *Is the Criticism and Use of GDP within Ecological Economics Consistent?* Presented at the ANZSEE Conference 2009 (Australia New Zealand Society for Ecological Economics), 27-30 October in Darwin/Australia.

#### Working/Discussion Papers

Smith, Tone (2014): *Kortreist eller vegetarisk? Hva monner mest i klimasammenheng?* (Short-travelled or vegetarian food? What counts the most in a climate perspective?) Arbeidsnotat 02/2014, Framtiden i Våre Hender: <http://www.framtiden.no/arbeidsnotater/739-kortreist-eller-vegetarisk-hva-monner-mest-i-klimasammenheng/file.html>.

Brunvoll, Frode and Tone Smith (eds.) (2010): *På rett vei? Indikatorer for bærekraftig utvikling 2010*. (On the right track? Indicators for sustainable development 2010). Statistical Analyses 114, Statistics Norway: [http://www.ssb.no/emner/01/rapp\\_indikator\\_utvikling/sa\\_114/sa\\_114.pdf](http://www.ssb.no/emner/01/rapp_indikator_utvikling/sa_114/sa_114.pdf).

Næss, Eli M. and Tone Smith (2009): *Environmentally related taxes*. Documents 2009/5. Statistics Norway. [http://www.ssb.no/a/english/publikasjoner/pdf/doc\\_200905\\_en/doc\\_200905\\_en.pdf](http://www.ssb.no/a/english/publikasjoner/pdf/doc_200905_en/doc_200905_en.pdf).

Smith, Tone (2007): *Sen, Equity and Sustainable Development. A summary of Amartya Sen's work, and its relevance to the capital approach for measuring sustainable development*. Background paper written for the UNECE/OECD/Eurostat Working Group on Statistics for Sustainable Development, 27 March 2007.

Smith, Robert and Tone Smith (2006): *Natural Capital*. Working paper No. 11, Second meeting of the Joint UNECE/OECD/Eurostat Working Group on Statistics for Sustainable Development, 15-16 November in Oslo/Norway: <http://live.unece.org/fileadmin/DAM/stats/documents/2006/11/sust-dev/wp.11.e.pdf>.

#### Research Reports, Expertise

Smith, Tone (2008): *Statistikk for miljøteknologi. Case: vann- og avløpsteknologi*. (Statistics on environmental technology. Case: water and wastewater technologies). Notater 2008/61, Statistics Norway: [http://www.ssb.no/emner/01/90/notat\\_200861/notat\\_200861.pdf](http://www.ssb.no/emner/01/90/notat_200861/notat_200861.pdf).

Raadal, H.L., C.A. Nyland, A. Rønning, and T. Smith (2006): *Vurdering av produkters miljøbelastning i LCA- og makroperspektiv*. (Environmental pressures from products – in a LCA and a macro perspective). OR 11.06. Stiftelsen Østfoldforskning: <http://www.ostfoldforskning.no/media/1232/1106.pdf>.

Hass, J.L., K.Ø. Sørensen, K. Erlandsen, and T. Smith (2005): *Norwegian Economic and Environment Accounts (NOREEA). Project Report 2002*. Documents 2005/9, Statistics Norway: [http://www.ssb.no/a/english/publikasjoner/pdf/doc\\_200509\\_en/doc\\_200509\\_en.pdf](http://www.ssb.no/a/english/publikasjoner/pdf/doc_200509_en/doc_200509_en.pdf).

Bjørkli, E.S., K.L. Hansen, G.M. Pilskog, T.K. Schjerven, and T. Smith (2004): *Fristilling og konkurranseutsetting i KOSTRA – bedring av sammenlignbarheten i nøkkeltallene*. (Privatisation and outsourcing of municipal services. Improving comparison of key indicators) Notater 2004/35, Statistics Norway: [http://www.ssb.no/emner/00/00/20/notat\\_200435/notat\\_200435.pdf](http://www.ssb.no/emner/00/00/20/notat_200435/notat_200435.pdf).

Smith, Tone (2003): *Vann- og avløpsgebyrer - en gjennomgang av kommunenes praksis*. (An analysis of Norwegian municipalities' water and wastewater fees). Notater 2003/8, Statistics Norway: [http://www.ssb.no/emner/01/06/20/notat\\_200308/notat\\_200308.pdf](http://www.ssb.no/emner/01/06/20/notat_200308/notat_200308.pdf).

Hass, Julie L. and Tone Smith (2002): *Methodology Work for Environmental Protection Investment and Current Expenditures in the Manufacturing Industry. Final Report to Eurostat*. Documents 2002/3, Statistics Norway: [http://www.ssb.no/emner/01/90/doc\\_200203/doc\\_200203.pdf](http://www.ssb.no/emner/01/90/doc_200203/doc_200203.pdf).

Hoem, B., K. Erlandsen, and T. Smith (2002): *Comparison between two Calculation Methods: LCA using EPIS-data and Input-Output Analysis using Norway's NAMEA-Air Data*. Documents 2002/1, Statistics Norway: [http://www.ssb.no/emner/09/90/doc\\_200201/doc\\_200201.pdf](http://www.ssb.no/emner/09/90/doc_200201/doc_200201.pdf).

Smith, T., S.E. Stave, and J.K. Undelstvedt (2002): *Ressursinnsats, utslipp og rensing i den kommunale avløpssektoren. 2001*. (Survey of environmental protection expenditure, fees, emissions and treatment in the municipal wastewater sector). Reports 2002/35, Statistics Norway: [http://www.ssb.no/emner/01/04/20/rapp\\_avlop/arkiv/rapp\\_200235/rapp\\_200235.pdf](http://www.ssb.no/emner/01/04/20/rapp_avlop/arkiv/rapp_200235/rapp_200235.pdf).

Smith, Tone (1999): *Utvikling av arealstatistikk for tettstedsnære områder – muligheter og begrensninger*. (Developing a land cover statistics for fringe areas – possibilities and limits). Reports 2000/19, Statistics Norway: [http://www.ssb.no/emner/01/01/rapp\\_200019/rapp\\_200019.pdf](http://www.ssb.no/emner/01/01/rapp_200019/rapp_200019.pdf).

#### Magazine/Newspaper Article

Smith, Tone (2015): *"Degrowth" i vekst* ("Degrowth" is growing). pp. 22-25. Future in Our Hands Magazine: <http://www.framtiden.no/magasin/fivh215/filer/assets/basic-html/index.html#22>.

Smith, Tone (2010): *Fortsatt redusert utslippsintensitet*. (Decline in emission intensity continues). Published in Statistics Norway's Statistical Magazine (on the web): <http://www.ssb.no/nasjonalregnskap-og-konjunkturer/artikler-og-publikasjoner/fortsatt-reduisert-utslippsintensitet>.

#### Miscellaneous

Eurostat (2014): *Getting messages across using indicators. A handbook based on experiences from assessing Sustainable Development Indicators*. Manuals and Guidelines: <http://ec.europa.eu/eurostat/documents/3859598/5936409/KS-GQ-12-001-EN.PDF/c47039bd-c026-4d99-a819-135b5e4c1da4?version=1.0>.

UNECE (2009): *Measuring sustainable development*. Prepared in cooperation with the Organisation for Economic Co-operation and Development and the Statistical Office of the European Communities (Eurostat). United Nations, New York and Geneva: [http://live.unece.org/fileadmin/DAM/stats/publications/Measuring\\_sustainable\\_development.pdf](http://live.unece.org/fileadmin/DAM/stats/publications/Measuring_sustainable_development.pdf)

Eurostat (2009): *The environmental goods and services sector*. Methodologies and Working Papers: <http://ec.europa.eu/eurostat/documents/3859598/5910217/KS-RA-09-012-EN.PDF/01d1733e-46b6-4da8-92e6-766a65d7fd60?version=1.0>.

OECD (2008): *OECD Environmental Performance Reviews. Turkey.*