KRISTIAN BORCH

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PROFIL

I have solid experience with strategic analysis of complex challenges enabling present-day decisions and mobilizing joint actions to shape a sustainable organisation.
I'm an expert in foresight methodology including methods such as scenario analysis and roadmapping.

I am an experienced manager, of very large interdisciplinary and international R&D projects.

Communication is as also one of my competences and I have successfully published both in high-ranking peer reviewed journals and popular medias.

I work both as a researcher of socio-technical challenges in the energy system, and as a project manager collaborating with colleagues from various disciplines.

CONTACT

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HOBBIES

Argentinian Tango
Yachting (well, more like refurbishment)
Skiing with my daughters

DEGREES

2010: MSc in Conflict Management, Copenhagen University
2003: Graduate diploma in Business Administration (HDO), Copenhagen Business School
1998: PhD (Biochemistry), Odense University and PennState University
1992: MSc (Cand.scient.) in Environmental Biology, Odense University

EXPERIENCE

2021- Senior Scientist, Ruralis – Institut for Rural- og regional research, Norway
2020- Associated Professor, Aalborg University
2013-2019 Senior projektmanager, Technical University og Danmarks
2010-2013 Research manager, Technical University og Danmarks
1998-2010 Senior Scientist, National Energy Laboratory, Risø
1992-1998 Forsker, Danmarks Jordbrugsforskning

MANAGEMENT, COMMITTEES AND BOARDS

2022- : Member of Norwegian EU-reference group to cluster 5 Climate, energy, and mobility
2012- : Board member, Nordic Mediator Association
2021-2024: Civic Renewables: Development of collaborative approaches to civic renewable energy for sustainable rural development and land use. Funded by the Norwegian Research council.
2019-2022: Mistral-ITN European Training Network. Funded by Horizon 2020 under the Marie Sklodowska-Curie actions (https://www.qub.ac.uk/sites/MISTRAL/)
2017-2020: IEA Wind Task 28: Social acceptance of wind power (https://community.ieawind.org/task28/home)
2015-2019: Scientific advisor for BioSmart.no: Managing the Transition to a Smart Bioeconomy, Sponsored by the Research Council of Norway (https://biosmart.no/)
2014-2017: Project manager of the Strategic Research project 'Wind2050 - Multidisciplinary study on local acceptance and development of wind power projects' funded by the Strategic Research Council (€ 3.1 million)
2007-2011: Project coordinator of the EU FP6 'AG2020 – Foresight analysis of future agriculture markets.' (€ 2.4 million)

LANGUAGE

Danish: Native
English: Fluent
Swedish & Norwegian: Speaking and writing
German: Speaking

Peer reviewed papers and Books

Arler, F., Sperling, K & Borch, K. Landscape democracy and the establishing of renewable energy facilities. Energy (Submitted)

*De Smedt, P., Borch, K. (2022). Participatory Policy Design in System Innovation. Policy design and practice. 1–15. Web.

*Sillak, S., Borch, K., Sperling, K. (2021). Assessing Co-Creation in Strategic Planning for Urban Energy Transitions. Energy research & social science 74:101952–.

Bolwig, S., Bolkesjø, T. F., Klitkou, A., Lund, P., Bergaentzlé, C., Borch, K. Skytte, K. (2020). Climate-friendly but socially rejected energy-transition pathways: the integration of techno-economic and socio-technical approaches in the Nordic-Baltic region. Energy Research and Social Science, 67, 101559.

Bjørkhaug, H., Borch, K., Follo, G., Hansen, I., Logstein, B. (2020). Framsyn mot bioøkonomisamfunnet. In: Fuglestad, Burton, Forbord, Nilsen (Eds) Etter Oljen: Vår bioøkonomiske fremtid, Ruralis.

Borch, K., Munk, A. K., & Dahlgaard, V. (2020). Mapping wind power controversies on social media: Facebook as a powerful mobilizer of local resistance. Energy Policy, 138, 111223.

Borch, K., Nyborg, S., Clausen, L.T., Jørgensen, M.S., (2019). Wind2050 – a transdisciplinary research partnership about wind energy. Handbook on Energy Transition and Participation (Eds. Holstenkamp & Radtke) Springer Verlag, Chap 52, 17 pp.

Borch, K. (2018) Mapping Value Perspectives on Wind Power Projects: The Case of the Danish Test Centre for Large Wind Turbines. Energy Policy, 123, 251-258

Borch et al. (2015). The Knowledge future: A foresight report to the European Commission. Research and Innovation. https://ec.europa.eu/research/foresight/pdf/knowledge_future_2050.pdf

De Smedt, P., Borch, K., Fuller T. (2013). Future scenarios to inspire innovation. Technology Foresight & Social Change, 80:32-443.

Borch, K. Dingli, S.M., Jørgensen, M.S. (editors). Participation and Interaction in Foresight: Dialogue, Dissemination and Visions. Edward Elgar, Cheltenham, UK Northampton, MA, USA. (2013).

Borch, K. The role of interaction in foresight. In: Participation and Interaction in Foresight: Dialogue, Dissemination and Visions. Borch, K. Dingli, S.M. and Jørgensen, M.S. (editors). Edward Elgar, Cheltenham, UK Northampton, MA, USA. pp. 3-16. (2013)

Borch, K., Merida, F. Dialogue in foresight: Consensus, conflict and negotiation. In: Participation and Interaction in Foresight: Dialogue, Dissemination and Visions. Borch, K. Dingli, S.M. and Jørgensen, M.S. (eds). Edward Elgar, Cheltenham, UK Northampton, MA, USA. (2013) pp. 97-117

Borch, K. The Danish technology foresight on environmental friendly agriculture. In: Participation and Interaction in Foresight: Dialogue, Dissemination and Visions. Borch, K. Dingli, S.M. and Jørgensen, M.S. (editors). Edward Elgar, Cheltenham, UK Northampton, MA, USA. (2013) pp. 266-273

Ricard, L. M., & Borch, K. (2012) From Future Scenarios to Roadmapping: A Practical Guide for Exploring Innovation and Strategy. European Foresight Platform. (EFP Brief; No. 207).

Rasmussen, B., Dannemand Andersen, P., Borch, K. (2010) Managing transdisciplinarity in strategic foresight, Creativity and Innovation Management, 19(1): pp37-46

Borch, K. (2007). Emerging technologies in favour of sustainable agriculture. Futures 39, pp1045-1066.

Borch, K., Norus, J. (2007) Renewing regulatory practices: The case of stem cells. Int. J. Healthcare Technol. Manag. Vol. 8, 676-691

Borch, K., Rasmussen, B. (2005) Refining the debate on GM crops using technological foresight - the Danish experience. Technology Forecast. Social Change. 72, 549-566

Borch, K, Lassen J., Jørgensen R.B. (2003) EU reflects European public opinion. Nature Biotechnology 21(9): 976-976.

Rasmussen, B., Borch, K. (2003) Risk and science: are we moving into the fourth age of risk concerns? Risk Decision and Policy. 8(1): 4-12.

Borch, K., Rasmussen, B., (2002) Commercial use of GM crop technology: Identifying the drivers using life cycle methodology in a technology foresight framework. Technological Forecasting Social Change 69, 765-780.

Borch, K., Miller, C., Brown, K., Lynch, J. Improved drought tolerance in marigold by manipu-lation of root growth with buffered-phosphorus nutrition. Hortscience (2003) 38 (2): 212-216

Rasmussen, B., Borch, K., Stärk, K.D.C. Risk analysis of salmonella in pork focusing on individ-ual and organisational factors. Food Control (2001) 12, 157-164

Borch, K., Rasmussen, B. 2000. An analytical approach to the implementation of genetically modified crops. Trends in Biotechnology 18: 484-486

Borch, K., Bouma, T., Brown, K., Lynch, J. 1999. Interactions of ethylene and phosphorus nu-trition on root growth. Plant, Cell and Environment 22: 425-431

Borch, K., Brown, K., Lynch, J. 1998. Improving bedding plant quality and stress resistance with low phosphorus. HortTech 8: 575-579

Wiliams, M.H., Andersen, L., Borch, K., Høyer, L. 1996. Measuring post production quality in pot roses. Acta Horticulturae 424: 187-188

Borch, K., Williams, M.H., Høyer, L. 1996. Influence of simulated transport on postharvest longevity of three cultivars of miniature rose. Acta Horticulturae 424: 175-178

Borch, K., Jensen, F.B., Andersen, B.B 1993. Cardiac Activity, Ventilation Rate and Acid-Base regulation in Rainbow Trout Exposed to Hypoxia and Combined Hypoxia-Hypercapnia. Fish Biology and Biochemistry 12: 101-11