

## Extended CV for Kristian Borch (1963)

### Degrees:

- 2010: MSc in Mediation and 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

### Memberships of scientific committees, review panels etc.

- 2019-2022: Member of Steering Committee of MISTRAL, European Training Network under Marie Skłodowska-Curie actions (<https://www.qub.ac.uk/sites/MISTRAL/>)
- 2019: Chair for the assessment committee of the PhD thesis by Sarah Sarah Venturim Lasso, DTU
- 2017-: Member of IEA, Task 28 Social acceptance of Wind Power.
- 2017: Member of the assessment committee of the Industrial PhD thesis of Matthew Spaniol, RUC
- 2017: Organising committee Wind Energy Science Conference (WESC) 2017
- 2016: Chair for the assessment committee of the PhD thesis by Angelos Balatsas-Lekkas, DTU
- 2016: Member of the assessment committee of the PhD thesis by Meiken Hansen, DTU
- 2015: Chair for the assessment committee of the PhD thesis by Simone Franceschini, DTU
- Reviewer for the EU Commission, DG-RTD
- Reviewer for Energy Policy and for Technology Forecasting and Social Change

### Supervision of PhDs

- 2019-2022: Supervisor for ESR (Early Stage Research) Silver Silak (Mistral based at AAU)
- 2019-2022: Co-Supervisor for ESR Cristian Pons-seres de Brauer (Mistral based at DTU)
- 2019-2022: Co-Supervisor for ESR James Miller (Mistral based at QUB)
- 2018-2020: Supervisor for PhD-student Lene Gjørtler, DTU
- 2015-2018: Supervisor for Industrial PhD-student Katinka Johansen, DTU & HoFor
- 2014-2017: Supervisor for PhD-student Celine Bout, DTU

### Grants, 2010 – present

- 2021-2024. Civic Renewables: Development of collaborative approaches to civic renewable energy for sustainable rural development and land use. Funded by the Norwegian Reserac council.
- 2019-2022: Mistral-ITN European Training Network. Funded by Horizon 2020 under the Marie Skłodowska-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)

### Peer reviewed papers and Books

De Smedt, P., Borch, K. (2021). Participatory Policy Design in System Innovation. Policy design and practice. 1–15. Web.

- Sillak, S., Kristian Borch, Sperling, K. (2021). Assessing Co-Creation in Strategic Planning for Urban Energy Transitions. *Energy research & social science* 74:101952–.
- 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.
- Bolwig, S., Bolkesjø, T. F., Klitkou, A., Lund, P., Bergaentzle, 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). The role of social media in conflict management in wind power planning. *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](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 manipulation 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 individual 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 nutrition 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
- Williams, 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: 101-111

#### **Conference proceedings and scientific reports (selected)**

- Erfaringer med virkemidler til grøn energiomstilling, lokal værdi og sammenhængskraft fra COBEN-projektet. Energi 2020, Ringkøbing-Skjern, Interreg, North Sea region. September 2020.
- Insight into participation in wind energy projects Exploratory study six European countries, Ministry of Economic Affairs and Climate Policy. August 2020.
- Denmark's Policy Practices for Improving Local Community Acceptance of Offshore Wind Farm Prepared for Korea Energy Economics Institute. Juli 2020.
- Lokal accept og udvikling af vindmølleprojekter: Opsamling på wind2050-projektet. <http://www.wind2050.dk/publications>
- Strategisk kommunikation om vindmøller på sociale medier, Policy Brief nr. 2. <http://www.wind2050.dk/publications>
- Fem dokumentarer om de udfordringer Europæisk landbrug står overfor. 2010, Documentary.dk, De Smedt, P & Borch, K. (2017) The role of governments in a circular economy, a transition narrative. Conference paper: Futures of a Complex World. Turku, Finland.
- Cronin, T., Borch, B. & Kirkegaard, J.K. (2017) Mapping of wind turbine ownership models in DK: Technical-Regulatory vs Collaborative approaches Wind Energy. Science Conference 2017 at DTU 26 - 29 June 2017.
- Jørgensen, M.S., Borch, K., Nyborg, S., Clausen, L.T.: Political ecology as perspective in analyses of crises in sustainable transition: on-shore wind power in a frontrunner country. Abstract for 7th International Sustainability Transitions (IST) Conference 2016, Exploring Transition Research as Transformative Science - September 6 – 9 2016, Wuppertal, Germany
- Bout C. & Borch, K. All things considered? – A review of long term energy planning models applied in Ireland, UK and Denmark. Conference Wuppertal – September 2016
- Borch, K & Dahlgaard V. Borgers bekymringer og forbehold vedrørende omkring opførelse af vindmøller i nærområdet: Analyse af indsigelser og artikler i lokalpressen vedrørende Ulvemose, Ovnbøl (Varde) og Nørrekær Enge (Aalborg/Vesthimmerland). Notat til Energistyrelsen. (2016).
- Borch et al. The Knowledge Future: Intelligent policy choices for Europe 2050. Luxembourg: Publications Office of the European Union, 64 p. (2015).

- 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).
- Borch, K. Blæsten om vindmøllerne i Østerild. Masterafhandling i konfliktmægling. Københavns Universitet. (2010).
- Braun, A., Barlow, M., Boden, M., Borch, K., Ryan, J., Saranummi, N., Zappacosta, M. (2003) Healthcare Technologies Roadmapping: the effective delivery of healthcare in the context of an ageing society. Institute for Prospective Technology Studies (IPTS).

#### **Popular science publications and talks (selected)**

- Borch, K, & Minter, M. (ed) (2018) En serie af policy briefes omkring planlægning og udvikling af vindmølle projekter med fokus på borgerinddragelse og konflikthåndtering. Wind2050.dk/publications.
- Borch K., Politisk beslutsomhed og borgerinddragelse Konferencen: TEKNIK & MILJØ '17. 25.-26. April 2017, Horsens.
- Borch, K. & Cronin, T. & Kirkegaard, J.K. Ownership models, developer practices and community engagement. SEAI & Task 28: "Social acceptance of wind energy projects" 29. March 2017, Dublin.
- Borch, K. Lokal opbakning for store VE projekter og innovative håndtering af naboklager ved Kristian Borch. ProjectZero energi-workshop "Energiparker - solceller og vindmøller i det åbne land" 3. marts 2017, Sønderborg.
- Borch, K. Workshop: "Vil borgerne betale for at få vindmøllerne så langt ud på vandet som mulig? ProjectZero workshop: Fremme af Kystnære havvindmøller. 3. marts 2017, Sønderborg.
- Borch, K. Narrativ analyse af indsigelser og pressedækning af tre vindmølleprojekter i Varde og Haderslev Kommune. Afrapportering af deltema 1 i SEP/WIND2050 (2015).
- Borch, K. Prøv at forstå vindmøllemodstanderne. Kronik i Ingeniøren. (2014).
- Helsted, F. og Borch, K. AG2020 - Billeder af fremtiden, 6 tv-programmer og et website produceret i samarbejde med DR og 13 europæiske universiteter. (Sendt i efteråret 2010).
- Borch, K. Fremtidens landbrug er grønt og tjener penge. Maskinbladet (2005).