

CURRICULUM VITAE, Marianne Ryghaug

Email: marianne.ryghaug@ntnu.no

Present position:

Professor, Science and Technology Studies, Department of Interdisciplinary studies of culture, Norwegian University of Science and Technology (NTNU), leader of Centre for energy, climate and the environment, NTNU.

Short bio

Ryghaug graduated from the NTNU in 1998 (Cand Polit. in Political Science) and received her PhD (Political Science/STS) from NTNU in 2003. She has been, Research assistant at Department of sociology and political science, NTNU (1996-99) and a PhD student Post-doctoral fellow, Senior research scientist, Associate professor and now Professor at the Department of Interdisciplinary Studies of Culture (KULT), NTNU since 1999. The last 10 years Ryghaug has been Deputy Director of Centre for Studies of Sustainable Energy (CenSES), a national centre for environment-friendly energy research (FME) contributing to an improved knowledge base to promote the transition to a more environment-friendly energy system funded by The Research Council of Norway. Ryghaug was Visiting Scholar at UC San Diego in 2001 and Visiting Professor at UC San Diego in 2011. Areas of expertise include sustainability transitions, transport and mobility, energy and climate policy, the cultural dynamics of new renewable energy technologies, environmental communication, science and innovation policy, public engagement related to sustainable transitions, “human factor” research, user practices and RRI. Ryghaug has a good track record for scholarly as well as practical experience with interdisciplinary research, especially through collaboration with faculty and research scientists from engineering, natural sciences and architecture, nationally and internationally as well as cooperation with industry and public authorities.

Teaching and supervision

Ryghaug has done teaching and supervision at all levels, including post-graduate courses. She has supervised or co-supervised six PhDs who have concluded their doctorate and is presently supervising six active PhD candidates and three Post Docs.

Professional positions (selected) and research management experience

Member of board, Climit, Norwegian Research Council, 2019-
Member of board, NTNU-Statoil Energy Transition Programme, 2017-
Member of board, NTNU’s Strategic Area: Energy. 2010-2019
Member of board, KLIMAFORSK Program, Norwegian Research Council (NRC), 2017-
Chair, the Environmental Program (Miljø2015), Norwegian Research Council (NRC), 2011-2017
International Committee of South-Africa – Norway Cooperation Program, NRC, 2013-2017
Member of Board. The Norwegian University Centre in Paris, 2015-2017
Member of Management Team, Centre for Renewable Energy (SFFE), 2006-2010.
Member of Board: The Norwegian Smartgrid Centre 2010-2011
Member of Transnova Advisory Board, 2013-2015

Ongoing and previous research activities (external funding)

- ENERGY-Shifts H2020 PI NTNU (2019-2020-Lead Transport WG)
- DRIVERS (Transport 2025. Lead RRI and PI)
- BIOBATT (Nano 2021, Lead of RRI part).
- SHAPE-Energy H2020 (Project leader of KULT, NTNU part)
- INVADÉ: H2020 Energy. (Project leader of KULT, NTNU part)
- MATCH: Markets – Actors- Technologies, ERA Net Smartgrids Plus
- Integrating the smartgrid in the households, ERA net.
- STS perspectives on development and implementation of smartgrids. RCN
- E-CAR. A strategy for electrification of road transport. RENERGI
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- Offshore wind in China, NTNU Energy

- Strategies for commerc. and market development of bioenergy, NTNU/ENERGY
- Climate knowledge on the road, NORKLIMA program, RCN project
- Preparing for a rainy day: Configuring climate science for future society,
- Coping with the threat of climate change. Cultural responses.

Editorial board, Energy research and social science (ERSS), Reviewer and/or guest editor assignments for ERSS, Transportation Research, Energy Efficiency, Energy Policy, Nature and Culture, Nordisk Arkitekturforskning, Public Understanding of Science, WIRES climatic change etc.

PUBLICATIONS (selected)

A. Articles in referred journals and articles under publication in peer reviewed journals

1. Anfinsen, Martin, Vivian Anette Lagesen, and Marianne Ryghaug. "Green and gendered? Cultural perspectives on the road towards electric vehicles in Norway." *Transportation Research Part D: Transport and Environment* 71 (2019): 37-46.
2. Skjølvold, Tomas Moe; Fjellså, Ingvild Fierman; Ryghaug, Marianne. (2019) [Det fleksible mennesket 2.0: Om sosiale relasjoner i fremtidens digitale elektrisitetssystem.](#) *Norsk sosiologisk tidsskrift*. vol. 3 (3).
3. Skjølvold, Tomas Moe; Ryghaug, Marianne. (2019) [Temporal echoes and cross-geography policy effects: Multiple levels of transition governance and the electric vehicle breakthrough.](#) *Environmental Innovation and Societal Transitions*.
4. Ortar, Nathalie, and Marianne Ryghaug. "Should All Cars Be Electric by 2025? The Electric Car Debate in Europe." *Sustainability* 11, no. 7 (2019): 1868.
5. Skjølvold, T. W. Throndsen, M. Ryghaug and G. Koksvik (2018): Orchestrating households as collectives of participation in the distributed energy transition: New empirical and conceptual insights. *Energy Research & Social Science* 46:252-261.
6. Ryghaug, M., Skjølvold, T M and S. Heidenreich (2018): creating energy citizenship through material participation. *Social Studies of Science* 48 (2), pp. 283 - 303
7. Ingeborgrud, Lina and Marianne Ryghaug (2017). User perceptions of EVs and the role of EVs in the transition to low-carbon mobility. ECEEE Summer Study proceedings.
8. Throndsen, William; Skjølvold, Tomas Moe; Ryghaug, Marianne; Christensen, Toke Haunstrup. (2017). From consumer to prosumer. Enrolling users into a Norwegian PV pilot. Eceee Summer Study proceedings.
9. Skjølvold, Tomas Moe, Susanne Jørgensen, and Marianne Ryghaug (2017). "Users, design and the role of feedback technologies in the Norwegian energy transition: An empirical study and some radical challenges." *Energy Research & Social Science* 25: 1-8. vol. 29 (7).
10. Korsnes, Marius; Ryghaug, Marianne (2017). With license to build: Chinese offshore wind firms rejecting European certificates. *Technology Analysis & Strategic Management*. 29(7), 750-761.
11. Ryghaug, Marianne, and Marit Toftaker (2016). "Creating transitions to electric road transport in Norway: The role of user imaginaries." *Energy Research & Social Science* 17 (2016): 119-126.
12. Aune, M., Godbolt, Å. L., Sørensen, K. H., Ryghaug, M., Karlstrøm, H., & Næss, R. (2016). Concerned consumption. Global warming changing household domestication of energy. *Energy Policy*, 98, 290-297.

13. Throndsen, W & M Ryghaug (2015). Material participation and the smart grid: Exploring different modes of articulation. *Energy Research & Social science* 9, 157-165.
14. Skjølvold, T M, Ryghaug, M, & T Berker (2015) A traveler's guide to smart grids and the social sciences. *Energy Research & Social Science* 9,1-8.
15. Skjølvold, T M & M Ryghaug (2015). Embedding smart energy technology in built environments: A comparative study of four smart grid demonstration projects, *Indoor and Built Environment* 24, 878-890
16. Skjølvold, TM, M Ryghaug & E F Swensen (2015). Democracy or war? The communication and deliberation of the climate issue online. *Nordic Journal of Science and Technology* 3, 22-33
17. Ryghaug, M & M Toftaker (2014). A Transformative Practice? Meaning, Competence and Material Aspects of Driving Electric Cars in Norway. *Nature and Culture* 9, 146-163.
18. Karlstrøm, H & M Ryghaug (2014). Public attitudes towards renewable energy technologies in Norway. The role of party preferences. *Energy Policy* 67, 656-663.
19. Solli, J & M Ryghaug (2014). Assembling climate knowledge. The role of local expertise. *Nordic Journal of Science and Technology Studies* 2, 18-28.
20. Ryghaug M & J Solli (2012). The appropriation of the climate change problem among road managers: fighting in the trenches of the real world. *Climatic change* 114, 427-440.
21. Ryghaug, Sørensen & Næss (2011). Making sense of global warming: Norwegians appropriating knowledge of anthrop. climate change. *Public Understanding of Science* 20, 778-795.
22. Ryghaug, M (2011). Obstacles to sustainable development. The destabilization of climate change knowledge. *Sustainable Development* 19, 157-166.
23. Aune, M, M Ryghaug & Å Godbolt (2011): Comfort, consciousness and costs – transitions in Norwegian energy culture 1991-2010. ECEEE 2011 Summer Study Proceedings. ECEEE, pp. 205-215.

B. Book chapters

1. Ryghaug, M and T. Skjølvold (2018): Nurturing a regime shift towards electro mobility in Norway – the coproduction of governance structures, user preferences and technological development. In M. Finger and M. Audouin (eds). "The Governance of Smart Transportation Systems, Towards new organizational structures for the development of Integrated, electric, automated and shared mobility". Springer.
2. Ryghaug, M & T M Skjølvold (2016). Climate change Communication in Norway. Oxford Encyclopedia of Climate Change Communication. DOI:10.1093/acrefore/9780190228620.013.453
3. Ryghaug, M & TM Skjølvold (2015). The Global Warming of Climate Science: Climategate and the Construction of Scientific Facts. In M Hulme (ed): *Climate and cultures*. Sage.
4. Skjølvold, T M, M Ryghaug & J Dugstad (2013). Building on Norway's Energy Goldmine: Policies for Expertise, Export, and Market Efficiencies. In *Renewable Energy Governance: Complexities and Challenges*. Springer Press.
5. Ryghaug M & R Næss (2012). Climate Change Politics and Everyday Life. In Carvalho and Peterson (eds.): *Climate Change Politics. Communication and Public Engagement*. Cambria Press.
6. Ryghaug, M (2005) Policing Sustainability. Strategies towards a Sustainable Architecture in Norway. In *Sustainable Architectures. Cultures and Natures in Europe and North America*. (S. Guy & S. A. Moore, eds.). New York: Spon Press. Taylor & Francis Group.

C. Invited presentations to internationally established conferences (selected);

- M. Ryghaug "A sociotechnical perspective on electric vehicle user practices". Invited lecture at the Aalto University Summer School on Transportation. Helsinki, August. 2018.
- M Ryghaug. "Sociotechnical visions and sustainability transitions. Invited speech to be held in EU workshop "Energy Sustainability in the Current Transition to Renewables: Framings from Social Practices and Complex Systems Theories, 20-21 March 2018, JRC Ispra Site Italy
- M. Ryghaug, Urban automation experiments and the user: Creating invasive technologies or new possibilities for inclusion? Invited speech, Urban automation workshop, Urban Institute, Sheffield, UK. 2017-09-04 - 2017-09-06

- M. Ryghaug. STS perspectives on Ev adoption and transportation practices. Invited speech, Research Workshop on the Social and Historical Dimensions to Transport by B. Sovacool., University of Aarhus, DK: 14.01.16 - 15.01.16
- M. Ryghaug. Needs and expectations for the European energy system – A citizens perspective. Invited key note presentation at SET Plan Conference 2014. 10-11 December, Rome, Italy.
- M. Ryghaug. Climate communication online: Towards a more social robust climate science? LINGCLIM conference 28-29 October, 2013 Bergen, Norway
- M. Ryghaug and M. Toftaker. 2012. Transforming practices through electric car driving. A user perspective. MILEN International Conference 2012: Advancing the research and policy agendas on sust. energy and the environment; Oslo: 22-23 November, 2012. Oslo, Norway.
- M. Ryghaug. Conveying climate Science to the Public: Creating Engagement in a Complex World. Transatlantic Science Week 12-16. November, 2012. Houston. USA.

D. Organization of international conferences in the field (membership in the steering and/or organizing committee);

- Program Committee, Energy Transition Conference, March, 2018, Trondheim.
- Dir. of Steering Committee, Nordic Environmental Social Science Conference, June 2015, Trondheim.
- Chair and Member of Organizing Committee, on Session of Socioeconomic aspects of offshore wind. Deep Wind Conference, February, 2015. Trondheim.
- Smart grids and the Social Sciences Conference, April, 2014, Trondheim.
- Scientific Committee, Renewable Energy Research Conference, 2010, June, Trondheim.

E. Prizes/ Awards/ Academy memberships (if applicable);

2000 The Reward for Young Researchers for Excellent Research. The Royal Norwegian Society of Science and Letters.

2007 Nominated, Best Journal Article for “Some Like it Hot” in Norsk Medietidsskrift.