

## Working Towards a Balance of Voices: Offshore Wind's Host Communities and The Wind Energy Industry

As part of the X-Rotor design process of a new offshore wind turbine, our task in UCC is to find out what are the attitudes of host communities and the wider wind energy industry, on what they want or do not want from an offshore wind turbine.

### Methodology: We surveyed Local Host Communities and the Wind Energy Industry

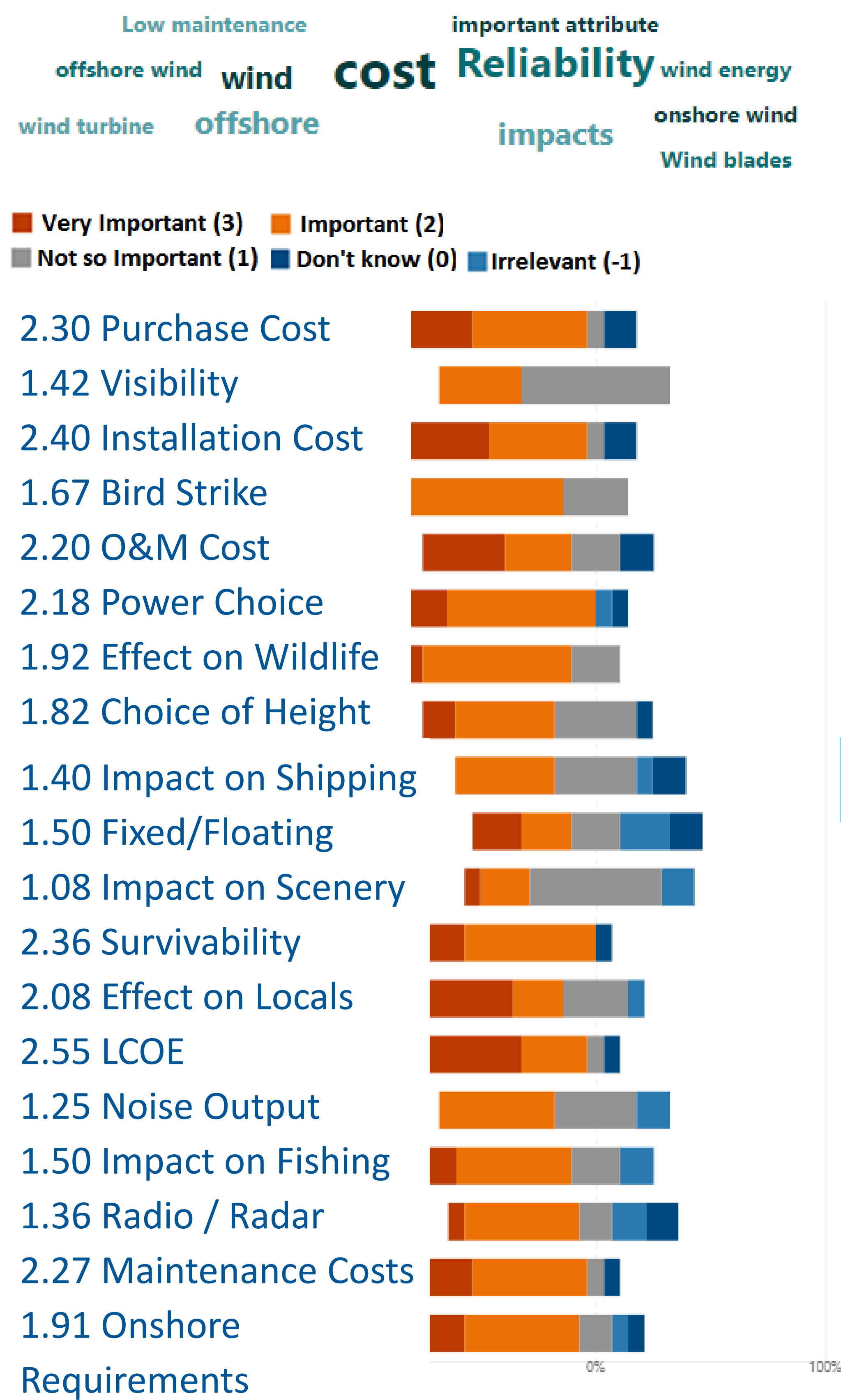
The host communities were in Ireland, Scotland and Spain and included the coastal community, those involved in fishing and marine transport, people working in tourism, etc. The Wind Energy community includes developers, researchers, OEMs. etc.

#### Energy Community

#### Results: Industry is concerned with business.

#### Host Communities

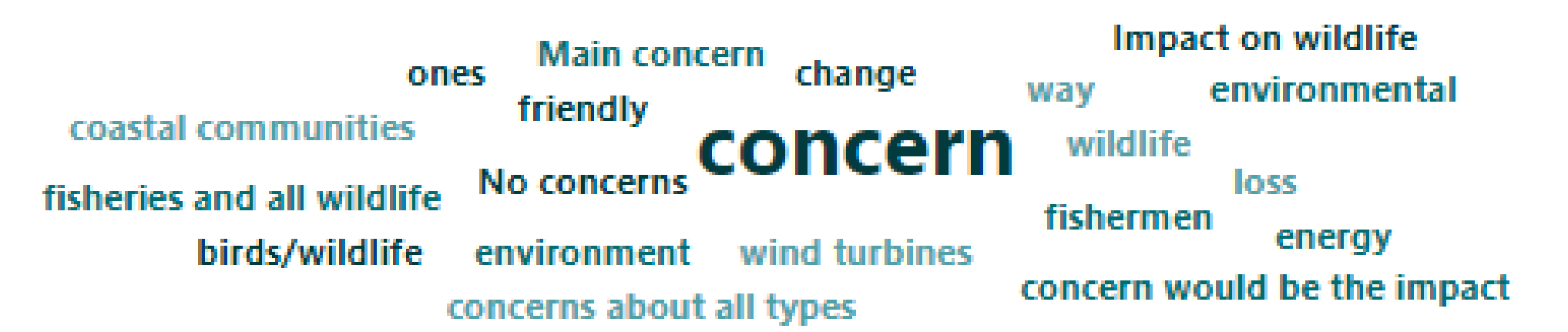
#### Host communities are concerned with the environment, fishing and jobs.



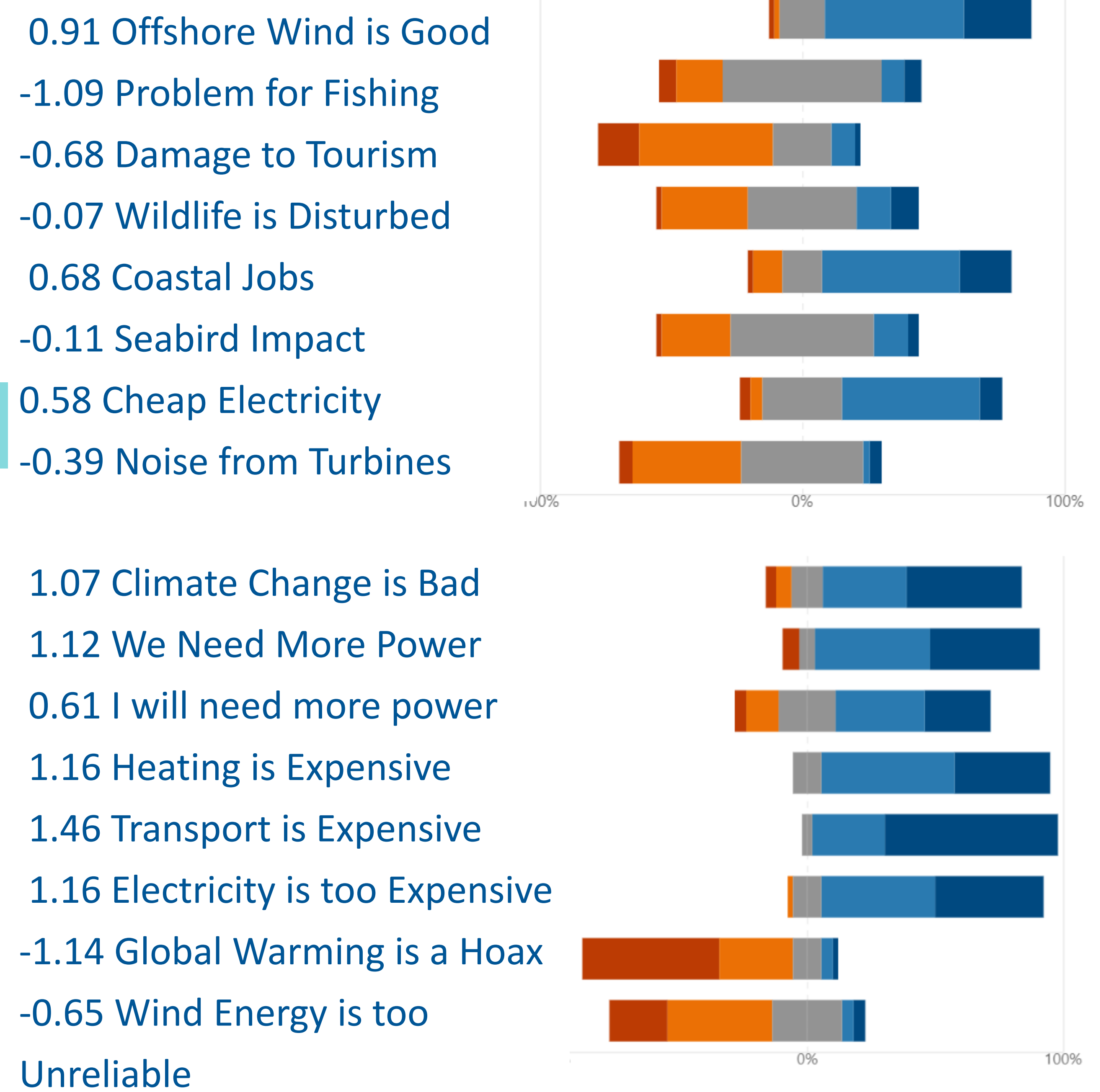
Not surprisingly, the Wind Energy Community were primarily concerned with the cost of electricity (LCOE), the installation, maintenance, and purchase costs. The Host Communities were positively disposed towards offshore wind, seeing it as a source of jobs and renewable electricity. They expressed concerns about the fishing industry and wildlife.

#### Conclusions: What next?

Find out how to match the market choices from the Wind Industry to the specific characteristics of the X-Rotor design and maximize these. Determine the ways in which the concerns of the Host Communities can be addressed without losing technical and financial advantages.



Legend: Strongly Disagree (-2), Disagree (-1), Neither Disagree nor Agree (0), Strongly Agree (2), Agree (1)



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