

Propositions

accompanying the dissertation

USING MULTIBEAM ECHOSOUNDERS FOR MULTISCALE AND INTERDISCIPLINARY HABITAT MAPPING ON THE DUTCH CONTINENTAL SHELF

by

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1. Mapping the entire area of the Dutch Continental Shelf (DCS) with multibeam echo sounders for both bathymetry and backscatter is a cost effective long term investment. (This proposition pertains to this dissertation)
2. The creation of comprehensive seafloor habitat maps requires a multidisciplinary approach. One of the methods must be acoustic combined with at least one other method such as underwater cameras or grab sampling of some form. (This proposition pertains to this dissertation)
3. Given the energy and money spent on the exploration and mapping of space, it is unfortunate that we do not have full coverage bathymetry and backscatter maps of the oceans of the world we live on. (This proposition pertains to this dissertation)
4. The seafloor habitat mapping community should strive towards data gathering with autonomous vehicles where the acoustic data is classified using machine learning techniques. (This proposition pertains to this dissertation)
5. The online cancel culture of today is as serious as the pillorying of persons in medieval times.
6. The amount of specified information in the genome of living cells suggests that life on earth is the result of (a) mind.
7. Striving for equity i.e. equality of outcome, in a society is undesirable. Having equality of opportunity, on the other hand, is most desirable.
8. Social engineering attempts where a basic human need is restricted face almost certain failure, as the attempt to solve NP-complete problems is doomed to almost certain failure.
9. If the transition to renewable energy causes a decrease in total available energy for a society, that society will experience a decrease in productivity.
10. Becoming comfortable with conflict is one of the most important skills to acquire.

These propositions are regarded as opposable and defensible, and have been approved as such by the promoters Prof. dr. D. G. Simons and Prof. dr. ir. M. Snellen.