



*Mundus
maris*

**Art of hosting approaches with greater participation of
scientists can support robust solutions
for increased societal resilience**

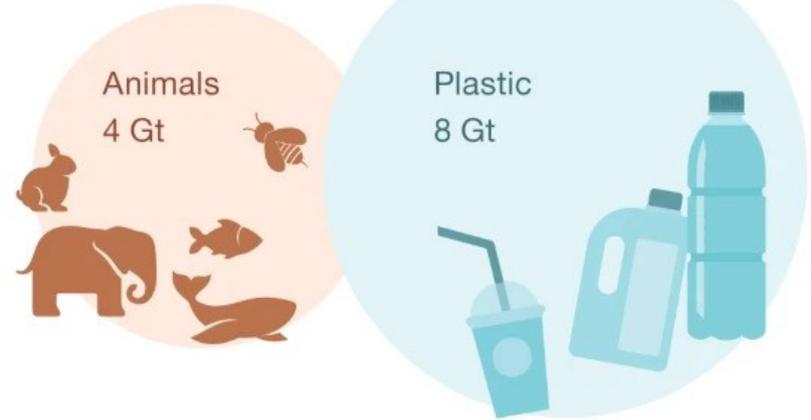
Cornelia E Nauen, Mundus maris asbl, Belgium



Artefacts vs Nature

Contrasting key components of global biomass and anthropogenic mass in the year 2020 (dry-weight basis).

Source: Elhacham, E., Ben-Uri, L., Grozovski, J. et al. Global human-made mass exceeds all living biomass. *Nature* 588, 442–444 (2020). <https://doi.org/10.1038/s41586-020-3010-5>



Living biomass

Human-made mass

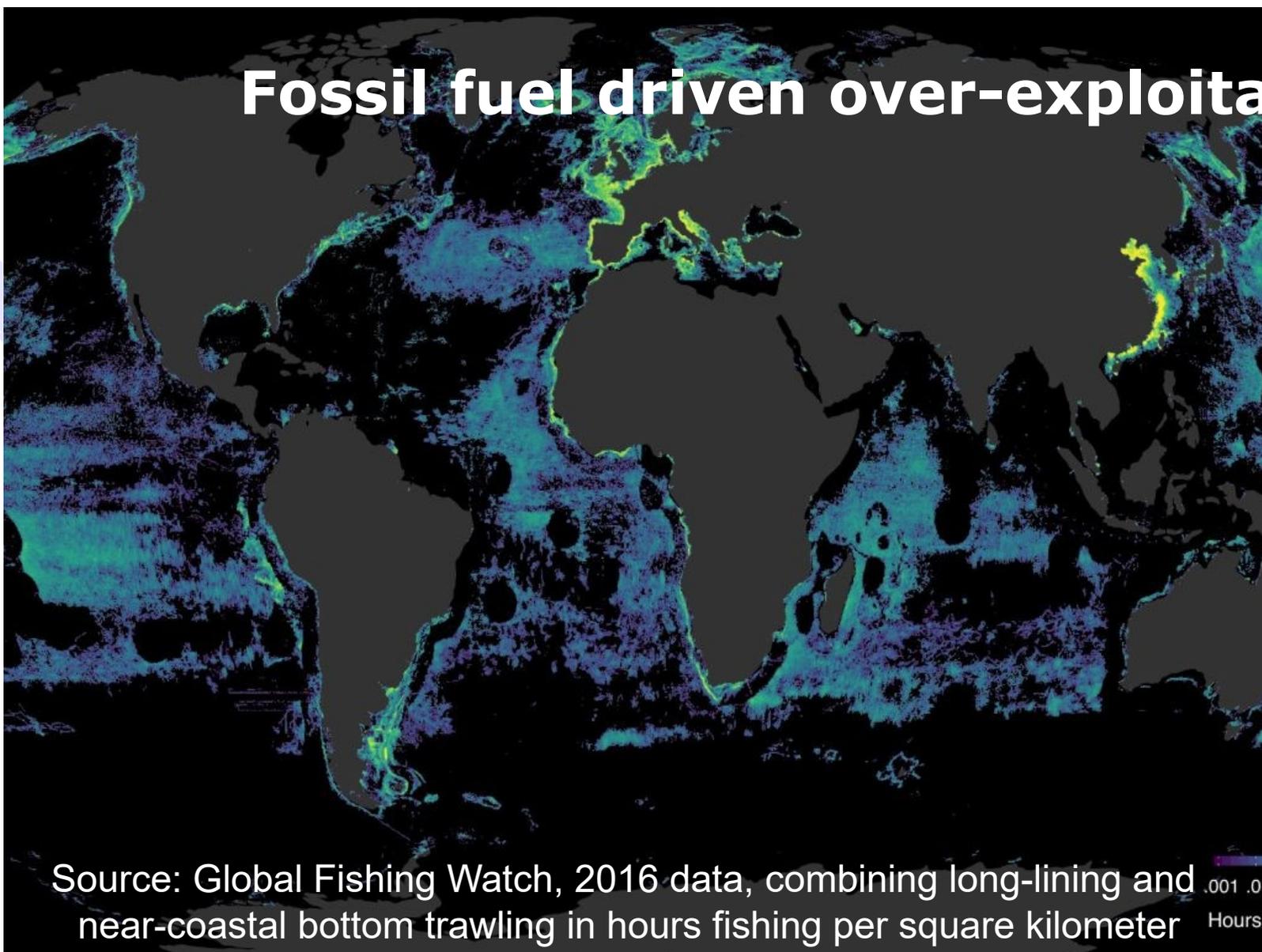


Trees and shrubs
900 Gt

Buildings and infrastructure
1,100 Gt



Fossil fuel driven over-exploitation



Source: Global Fishing Watch, 2016 data, combining long-lining and near-coastal bottom trawling in hours fishing per square kilometer

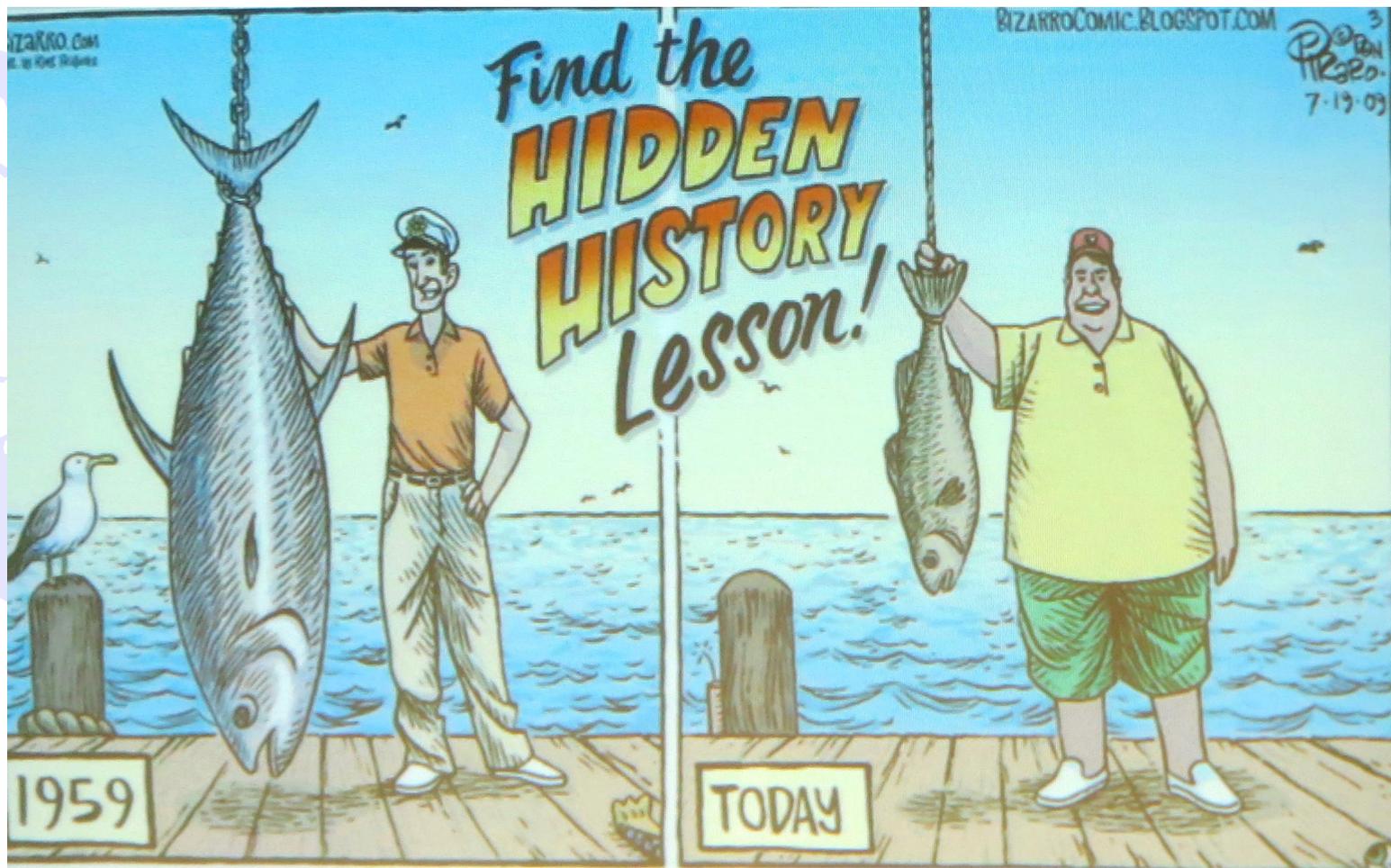
.001 .01
Hours



Scientific evidence \neq societal change

Major studies / events

- The limits to growth, Club of Rome, 1972
- IPCC reports since 2013 humans dominant
- IPBES 2021
- UN Water Conference 2023
- UN Ocean Conferences 2017/22





Changing norms or desires?

- ❑ We often resist change based on cognitive, behavioural and emotional factors. Social norms have also been cited. But when it becomes unavoidable, many of us settle quickly into the new normal.



Sparkman, G., Howe, L., Walton, G. How social norms are often a barrier to addressing climate change but can be part of the solution. *Behavioural Public Policy* 5(4):528-555 (2021). <https://doi.org/10.1017/bpp.2020.42>





Participatory leadership for change journeys

Different voices from the sciences, arts, and practice meeting at UBC, Vancouver.

Bringing a range of perspectives to address unsustainable practices in marine fisheries.

What do we already know, what else do we need to learn?

How to deal with the unexpected?

Minimising negative Impact ?

Harnessing different cultures





Art of hosting for building trust

- ❑ Offering a safe, neutral space for dialogue, joint learning, innovation, promoting collective action.
- ❑ People with diverse views, backgrounds, experiences are welcome
- ❑ No a priori judgement
- ❑ Listening intently
- ❑ Asking questions that matter in ways that focus on joint search for solutions rather than emphasizing controversy
- ❑ Start e.g. with good experiences





Finding solutions together

Bringing in expertise not available in the community to address impacts from e.g. climate change, in combination with visual recording



See the mayor then for more action



**Thanks for your attention
and let's team up to practice together**

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