

A will-o'-the wisp? Systematic integration of knowledge co-produced with the fishing industry into marine science and advice

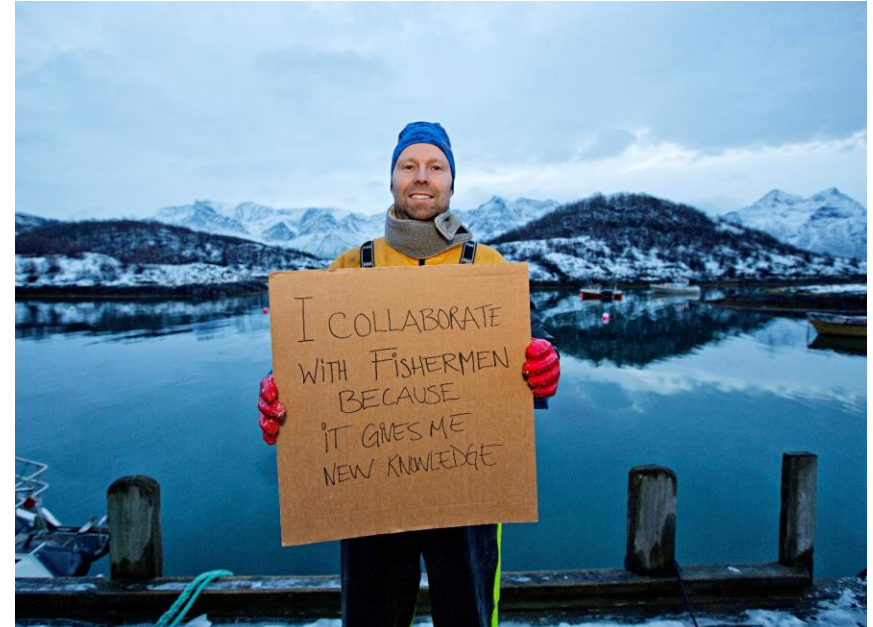
MSEAS 2024, 3-7 June, Yokohama

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Photo: GAP2-project, Galicia case study

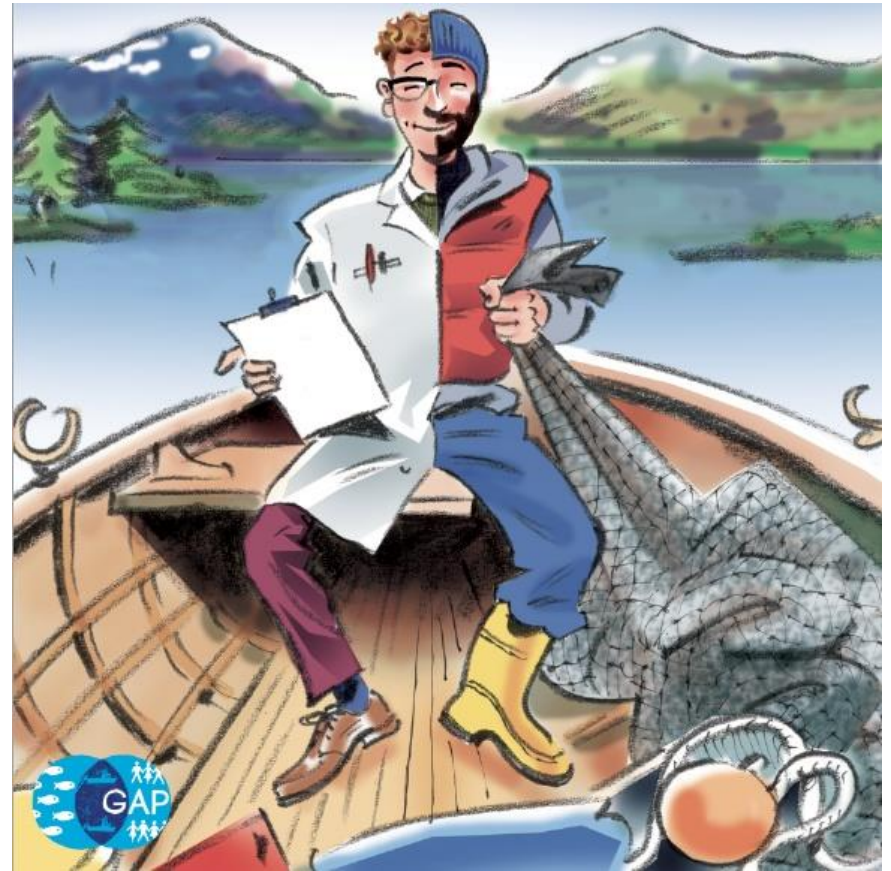
Clear appetite for knowledge co-production



Photos: GAP2-project, Norway case study

CHALLENGE:

Systematic
integration of fishers'
knowledge in
scientific advisory
systems



Cartoon: GAP2-project

Issues inhibiting systematic integration



QUALITY

Threat to the quality of the evidence for science-based advice



UNIQUENESS

Limited unique knowledge that is useable

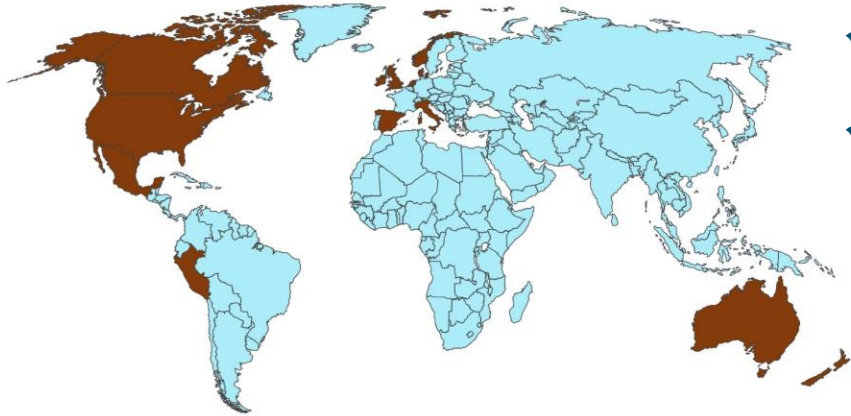


INTEGRITY

Threat to integrity and credibility of science

**PROVOCATIVE
STATEMENTS**

Reviewing evidence through collective effort



- ✓ **35 experts**
- ✓ **3 workshops**



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Steins et al. 2022, A will-o-the-wisp? On the utility of voluntary contributions of data and knowledge from the fishing industry to marine science.

<https://doi.org/10.3389/fmars.2022.954959>



PROVOCATIVE STATEMENTS

Threat to the quality of the evidence for science-based advice

Limited unique knowledge that is useable

Threat to integrity and credibility of science



QUALITY



UNIQUENESS



INTEGRITY

SOLUTIONS

Set appropriate quality assurance frameworks

Alternative modes of knowledge production

Governance towards new cultures of cooperation



PROVOCATIVE STATEMENTS

Threat to the quality of the evidence for science-based advice

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QUALITY



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Some knowledge can only come from fishers!

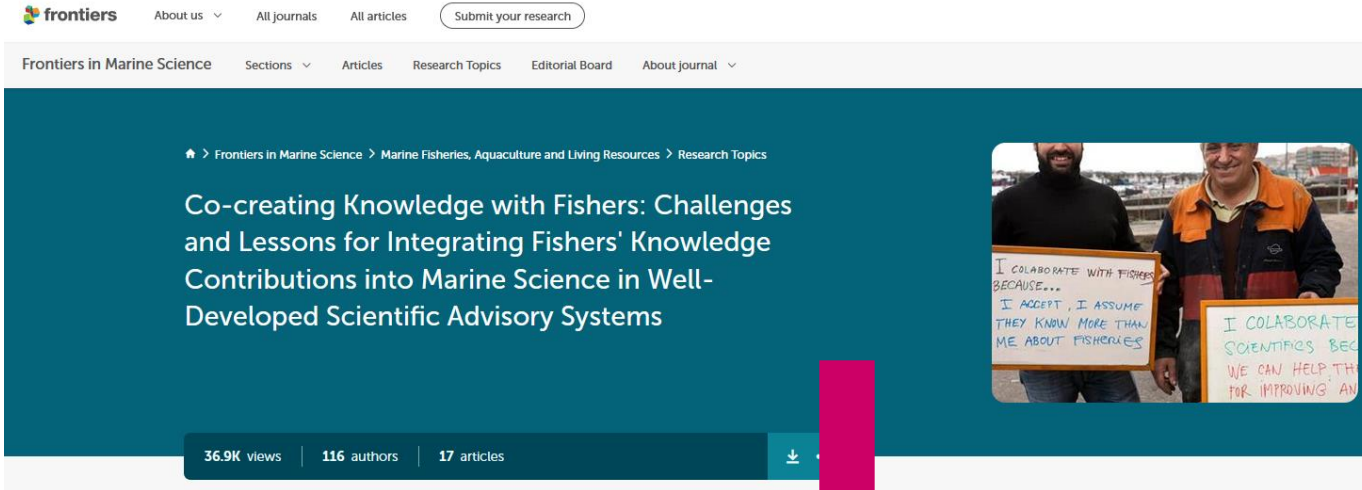
Adapting the receiving systems is not a luxury, but a must.

The effort in co-producing needs to be matched with its use afterwards.



Cartoon: GAP2-project

Part of a special issue, curated by 5 of us



The screenshot shows the top navigation bar of the Frontiers website, including the logo, 'About us', 'All journals', 'All articles', and a 'Submit your research' button. Below this is a secondary navigation bar for 'Frontiers in Marine Science' with links to 'Sections', 'Articles', 'Research Topics', 'Editorial Board', and 'About journal'. The main content area features a teal background with the article title: 'Co-creating Knowledge with Fishers: Challenges and Lessons for Integrating Fishers' Knowledge Contributions into Marine Science in Well-Developed Scientific Advisory Systems'. To the right of the title is a photograph of two men holding signs. The man on the left holds a sign that reads: 'I COLLABORATE WITH FISHERS BECAUSE... I ACCEPT, I ASSUME THEY KNOW MORE THAN ME ABOUT FISHERIES'. The man on the right holds a sign that reads: 'I COLLABORATE SCIENTIFICS BECAUSE... WE CAN HELP THEM FOR IMPROVING AN...'. Below the title, statistics show '36.9K views', '116 authors', and '17 articles'. A large pink arrow points from the article title area down to the text box below.



10 guiding principles for integrating fishers' knowledge contributions in conventional marine sciences

What's next?

- ❑ How could scientific community contribute?
- ❑ What research questions remain unsolved?

Thoughts?



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