INNOVATING FISHERIES MANAGEMENT AND OCEAN OBSERVATION:

BlueSenz SENSORS

TURN FISHING VESSELS INTO OCEAN DATA PLATFORMS

THE DATA GAP

- Coastal waters host ~70 % of all fishing, yet current tools miss the vertical dimension (surface-to-seafloor).
- Argo floats & research vessels rarely cover these busy, shallow areas.

THE SOLUTION — BlueSenz Family of Sensors

- NetSenz sensor is attached onto trawls, purse seines, gillnets, pots, etc.
- Gathers high-resolution, fast response Temperature-Depth (TD) profiles.
- Seamlessly communicates via the vessel's VMS system, streaming TD profiles in near-real time to fisheries authorities, ocean agencies, and research institutions.
- Rugged & maintenance-free: 6-year battery life, built to survive gear impacts.

HOW IT SCALES

- Piggybacks on BlueTraker's global VMS network (15 000+ vessels, 15+ countries).
- Rapid, low-cost rollout—turns every large scale fishing vessel into a mobile ocean observatory.
- Fleet dashboards fuse data into a regional "live ocean" map for managers.

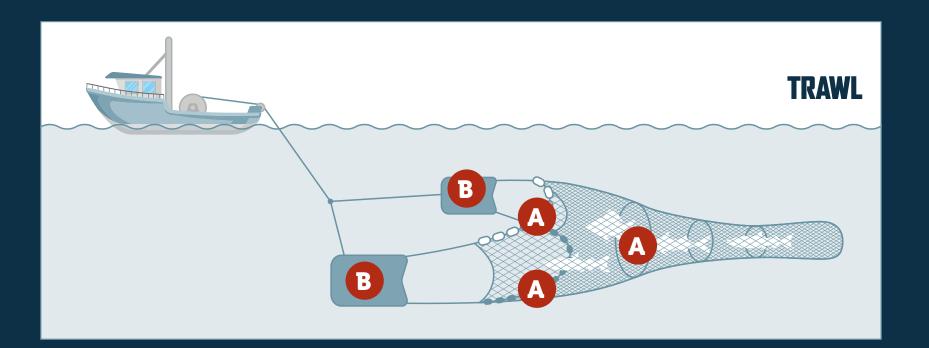
WHAT MAKES IT DIFFERENT

- Adds the missing 3-D insight for both oceanography and fishing-effort monitoring (soak time, depth, location).
- Data quality good enough to complement Argo and feed advanced climate & ecosystem models.
- Samples exactly where fishing happens, providing true ground-truth for stock-habitat links.
- Supplies gear-by-gear effort metrics for compliance audits and traceability schemes.

IMPACT

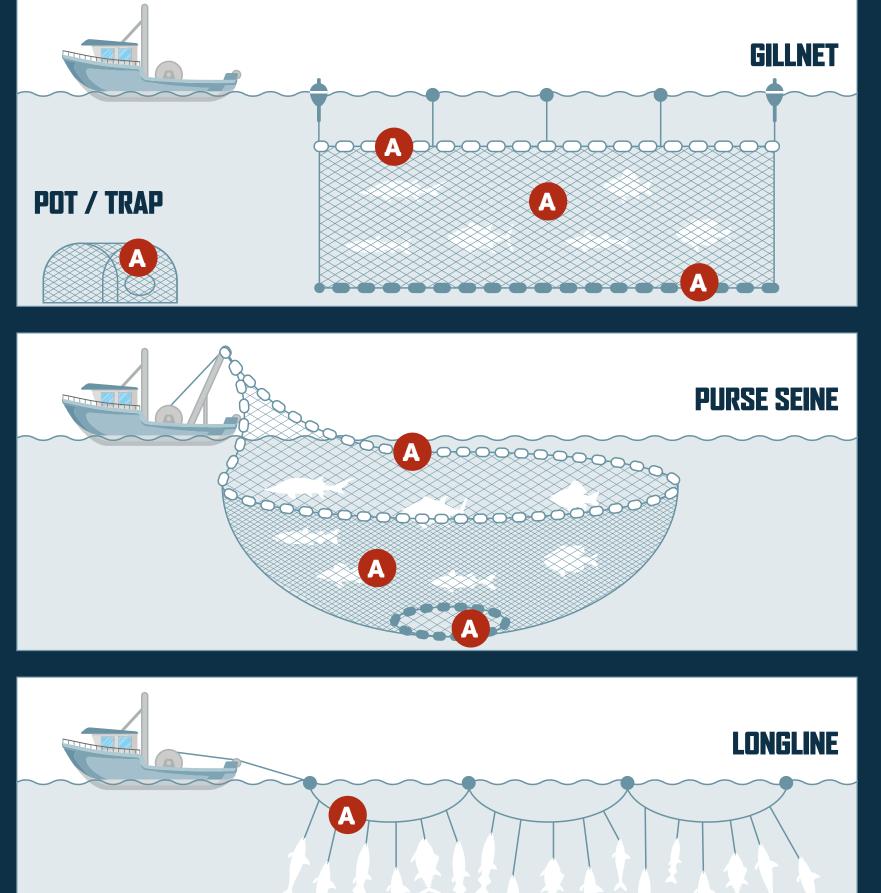
- Enables dynamic zoning, supports goals like the EU's 30 % marine protection by 2030.
- Fuels the Fishing Vessel Ocean Observing Network (FVON) endorsed by the UN Decade of Ocean Science.
- Bridges sustainable fishing & conservation with ground-truth coastal data.

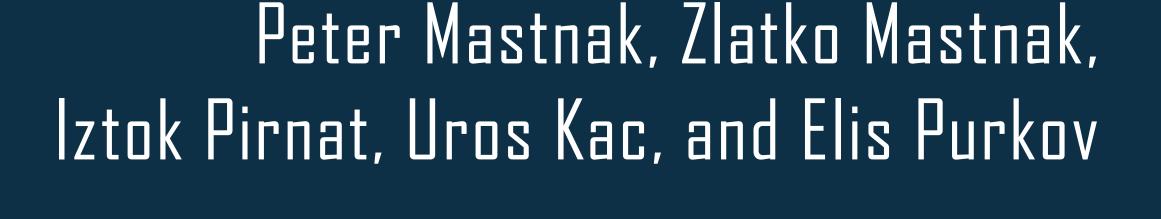
ONE SENSOR - WIDE RANGE OF FISHING GEAR TAGGING POSSIBILITIES

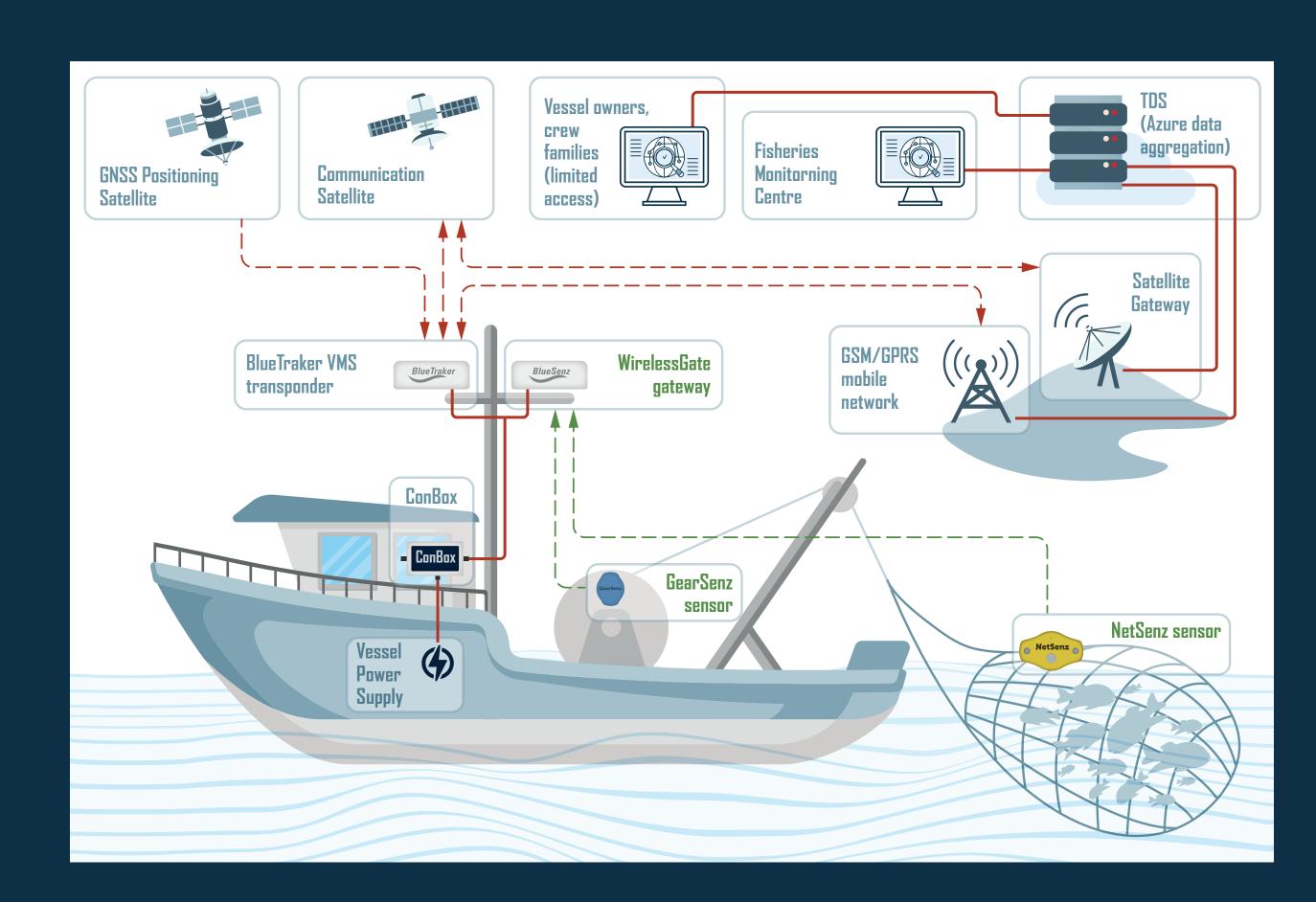


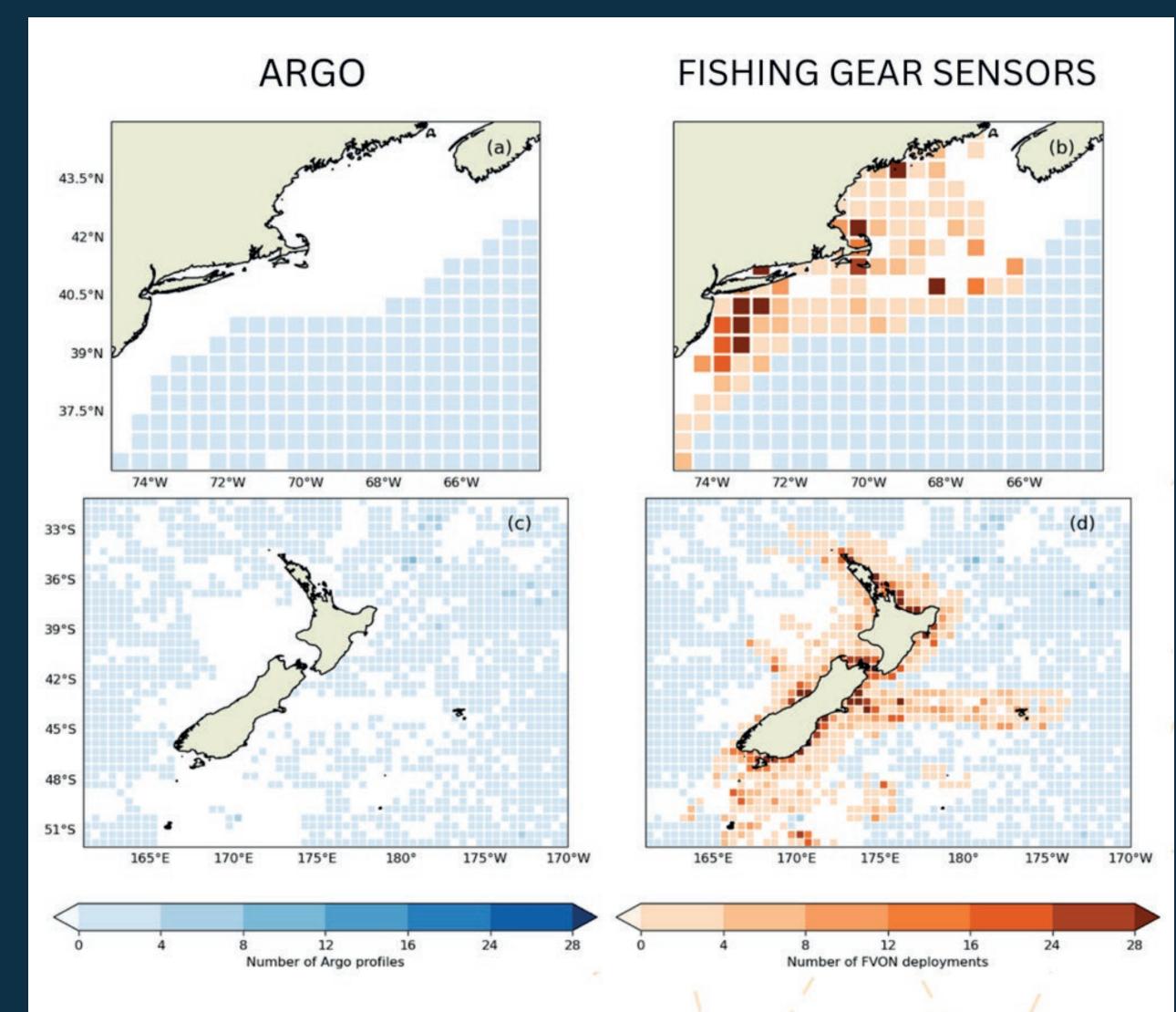


NetSenz









*Graphics provided in colaboration with Fishing Vessel Ocean Observing Network (FVON) - www.fvon.org



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