



From spaghetti to a new way of managing fisheries

- VISTOOLS -

A case of co-management in Belgium

Sea fisheries in Belgium
& the data revolution

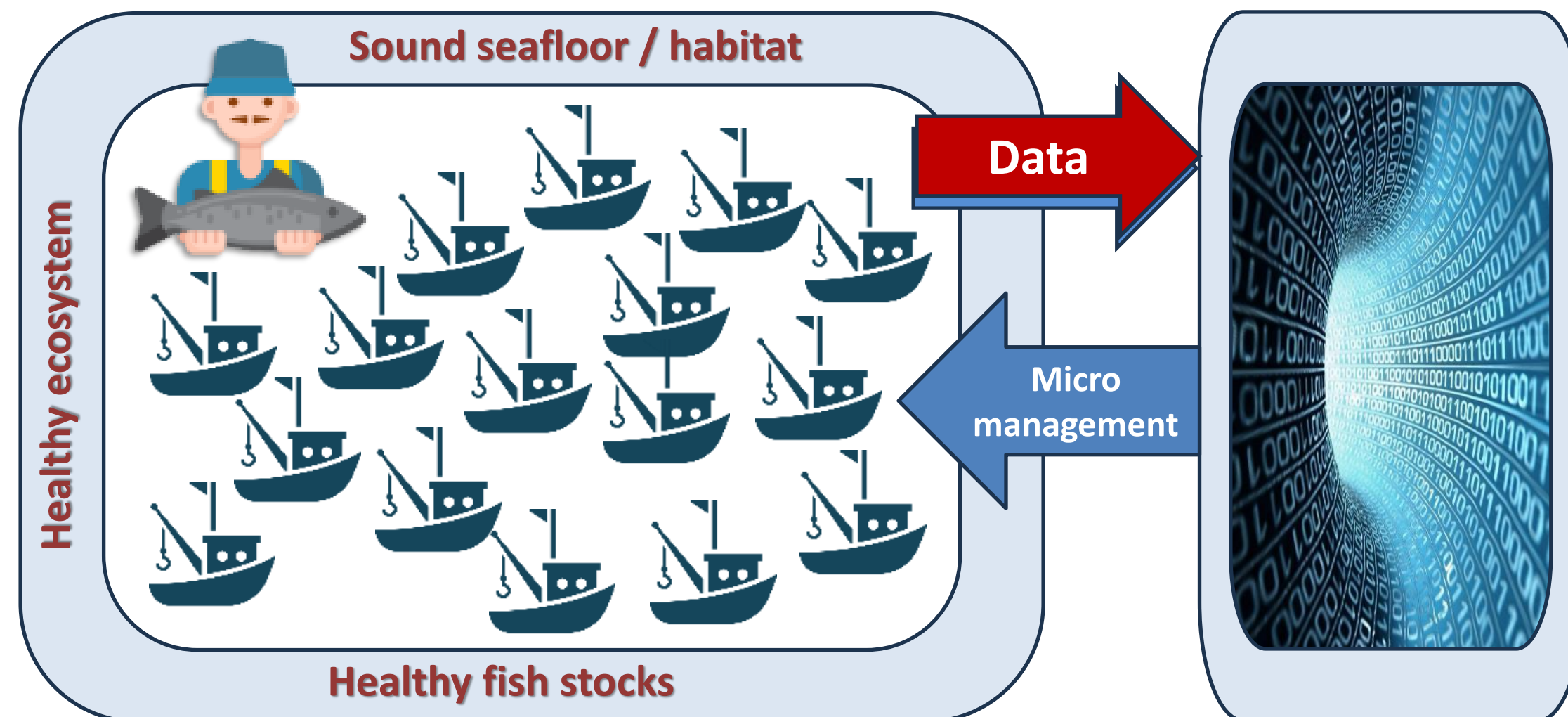
Digital Ocean Forum 2024
Hans Polet (ILVO)
June 13th 2024



Fisheries management

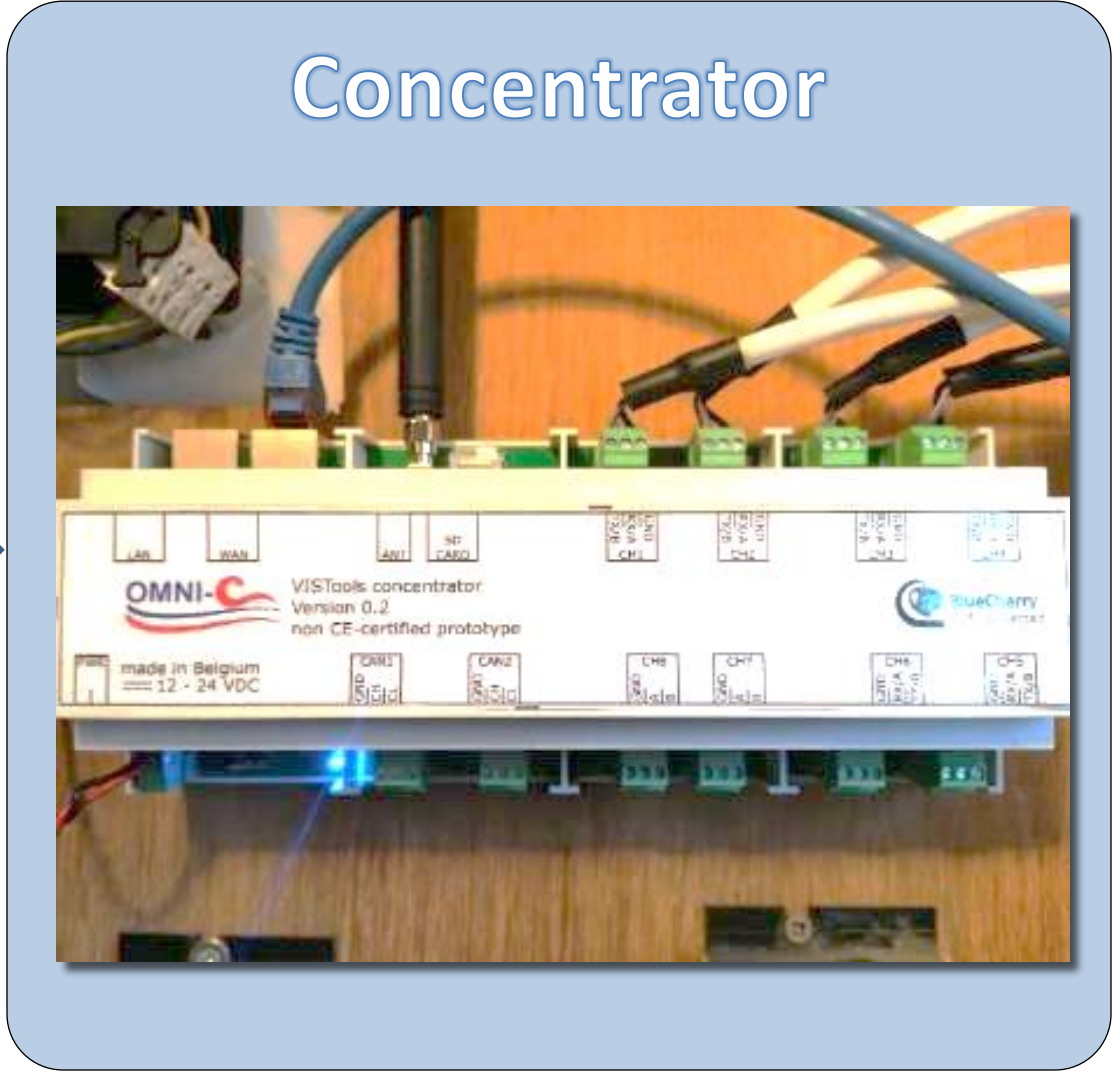
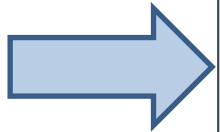
Can the digital twin lift fisheries management to a higher level ?

Imagine a fishery without control and enforcement



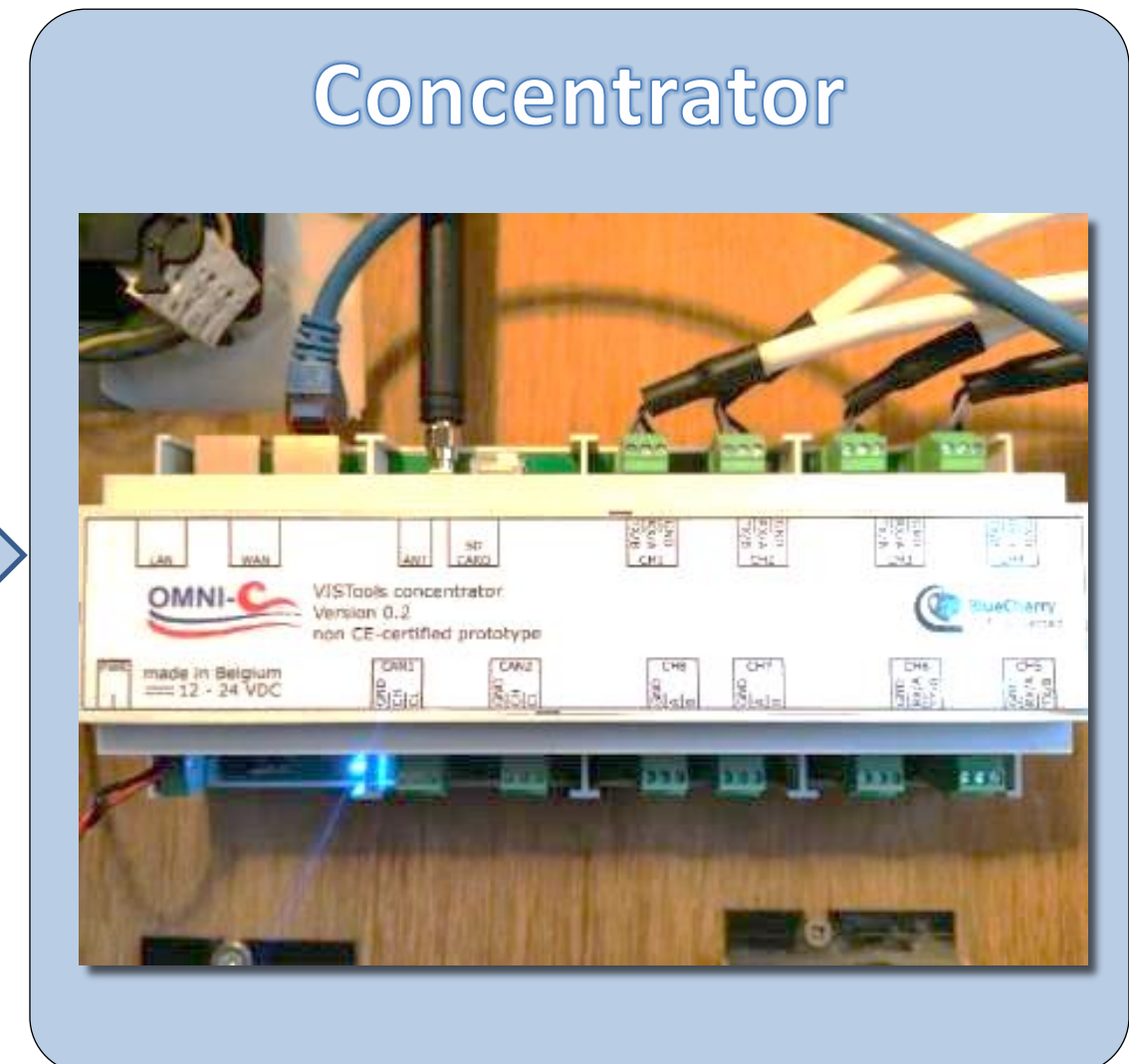
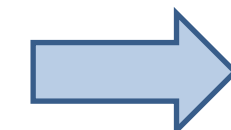
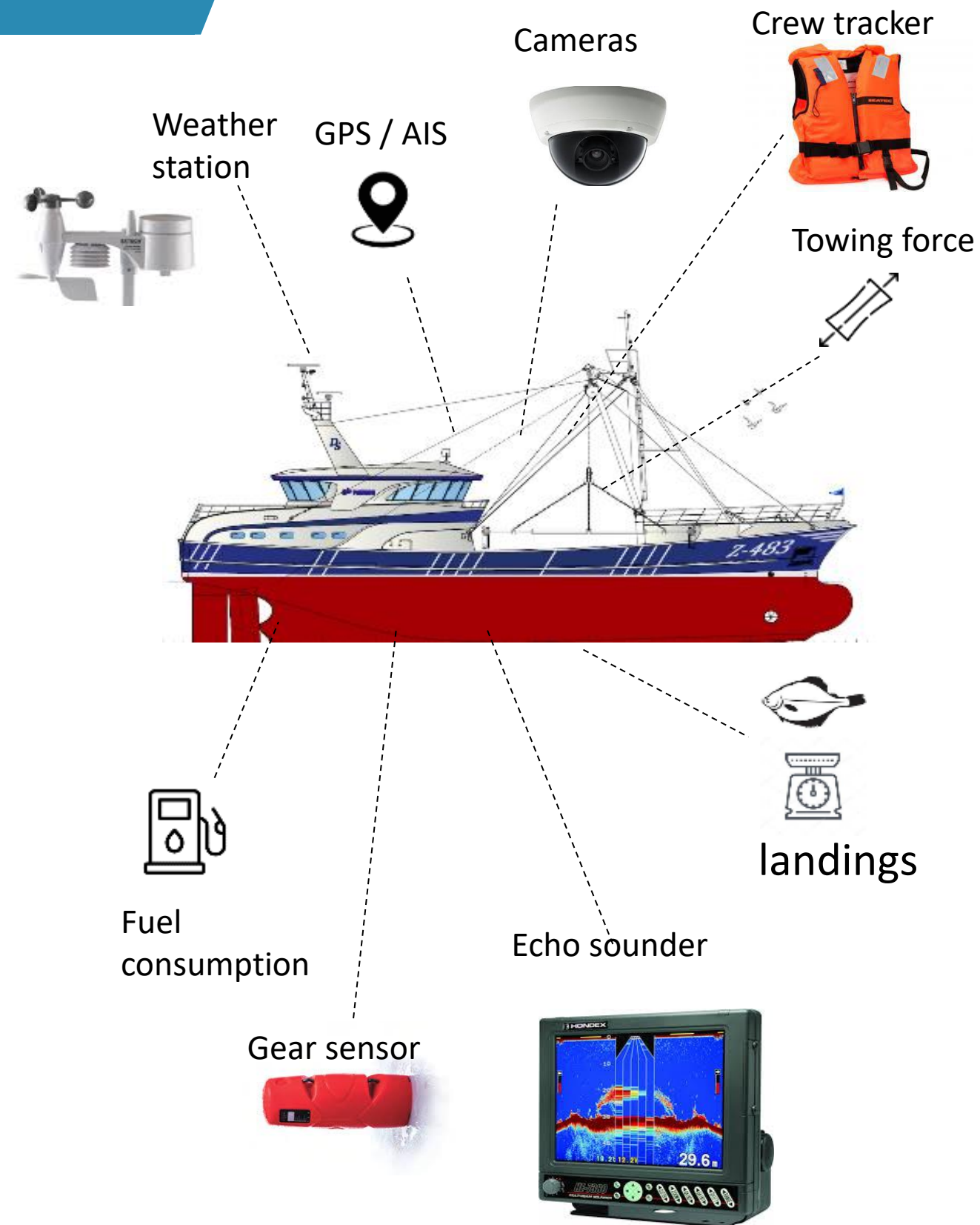
The data

The solution is 'Pedro' and his 'spaghetti'



The data

Real time, high resolution, high quality data collection from individual vessels



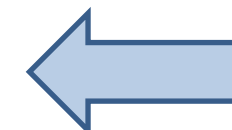
The digital twin



Digital twin

The screenshot shows the VISTOOLS analytics software interface. It features a central map with a heatmap overlay, a sidebar with a user profile for 'Far Polibus', and several data visualization panels including a pie chart and a bar chart. The interface is branded with 'VISTOOLS analytics' and 'ILVO'.

VISTOOLS analytics

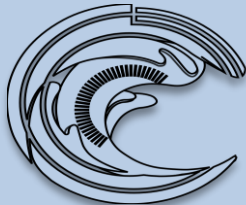


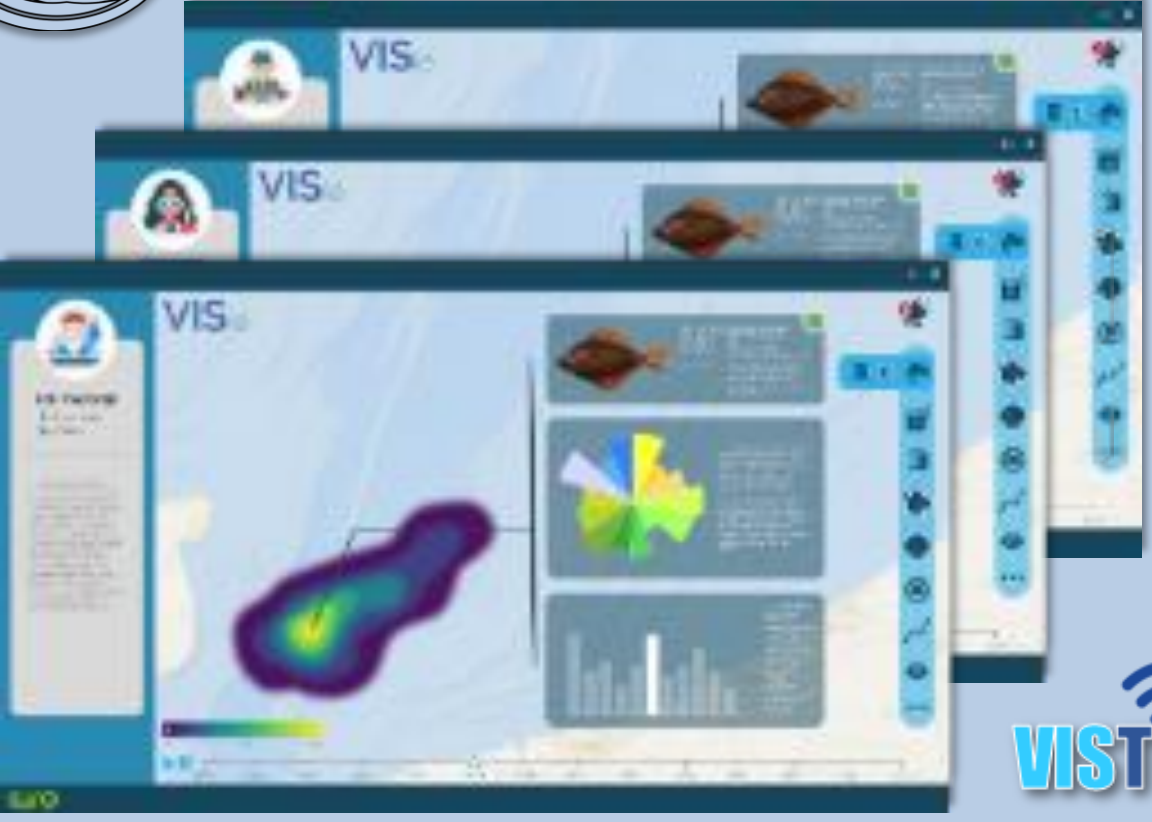
Concentrator

The photograph shows the VISTOOLS concentrator hardware, a white rack-mounted device. It has various ports and labels, including 'OMNI-C', 'VISTools concentrator Version 0.2 non CE-certified prototype', and 'BlueCherry'. The device is mounted in a wooden cabinet.

Application

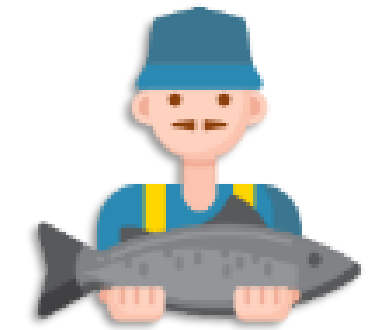
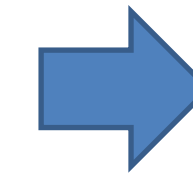


 **Digital twin**

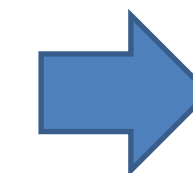


VISTOOLS
analytics

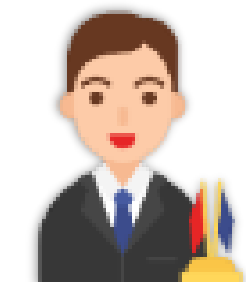
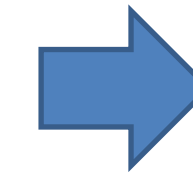
**User-Specific
Dashboards**



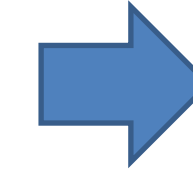
Fishers & Vessel Owners



Research



Policy & Management



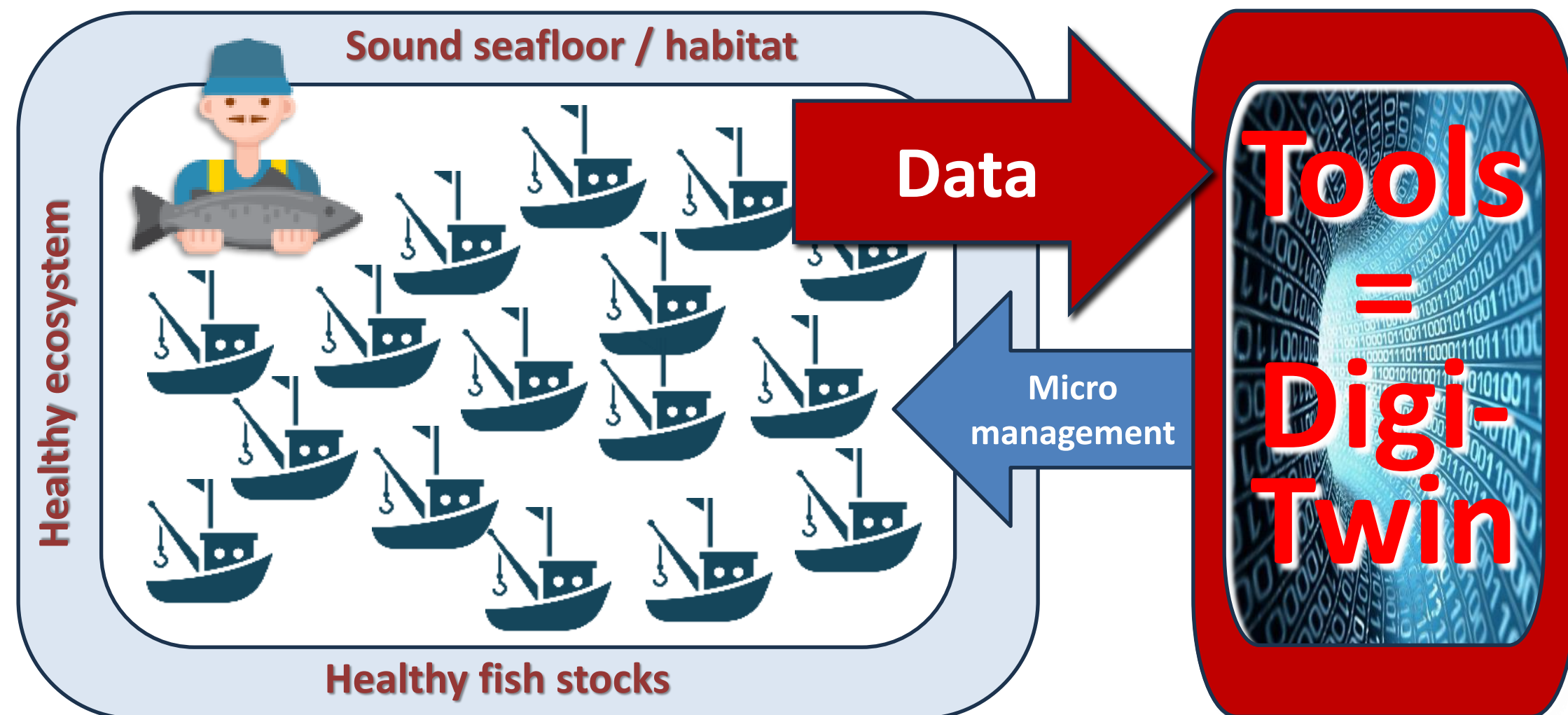
Market

Fisheries management

Powerful tools...

...that will allow to determine mortality at individual vessel level and will allow real time fish stock & ecosystem evaluation & catch prediction & more...

...which allows managing fisheries in a fundamentally different but more effective and mature way !



**Interested in
the potential
for fisheries
management ?**

Welcome !

**Thank you for
your attention**



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