

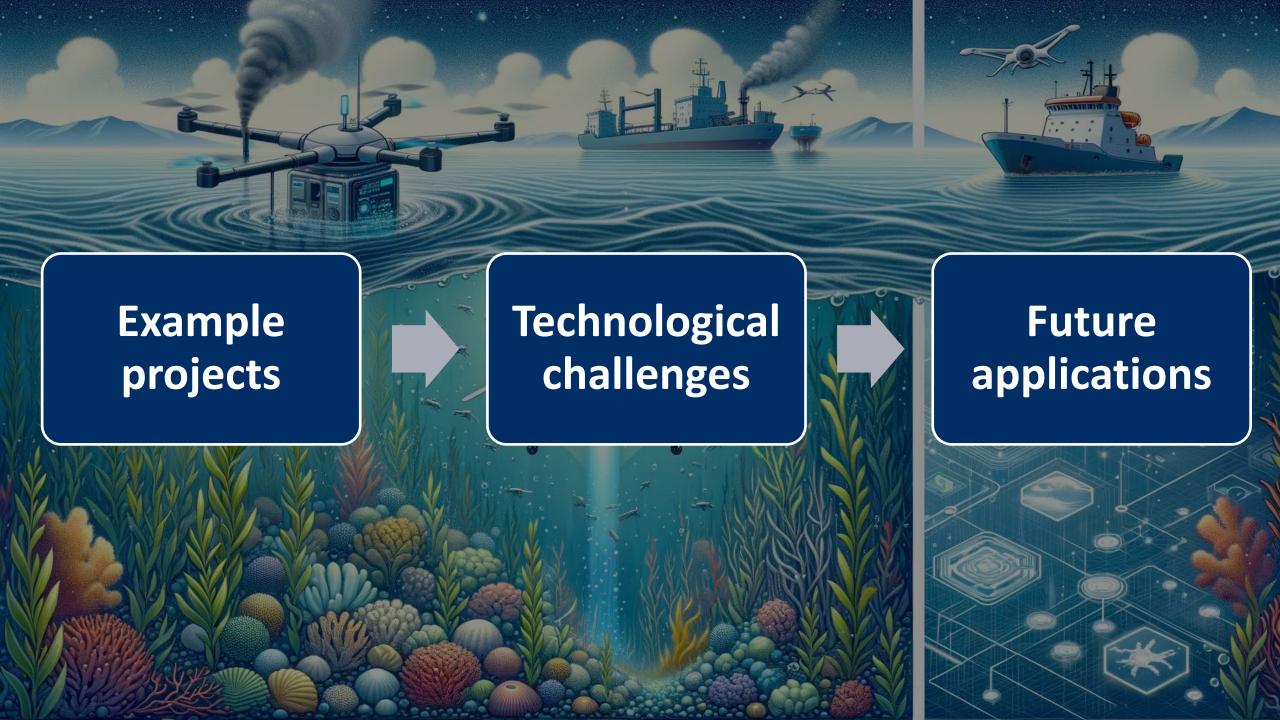
## Computer Vision for Marine Monitoring

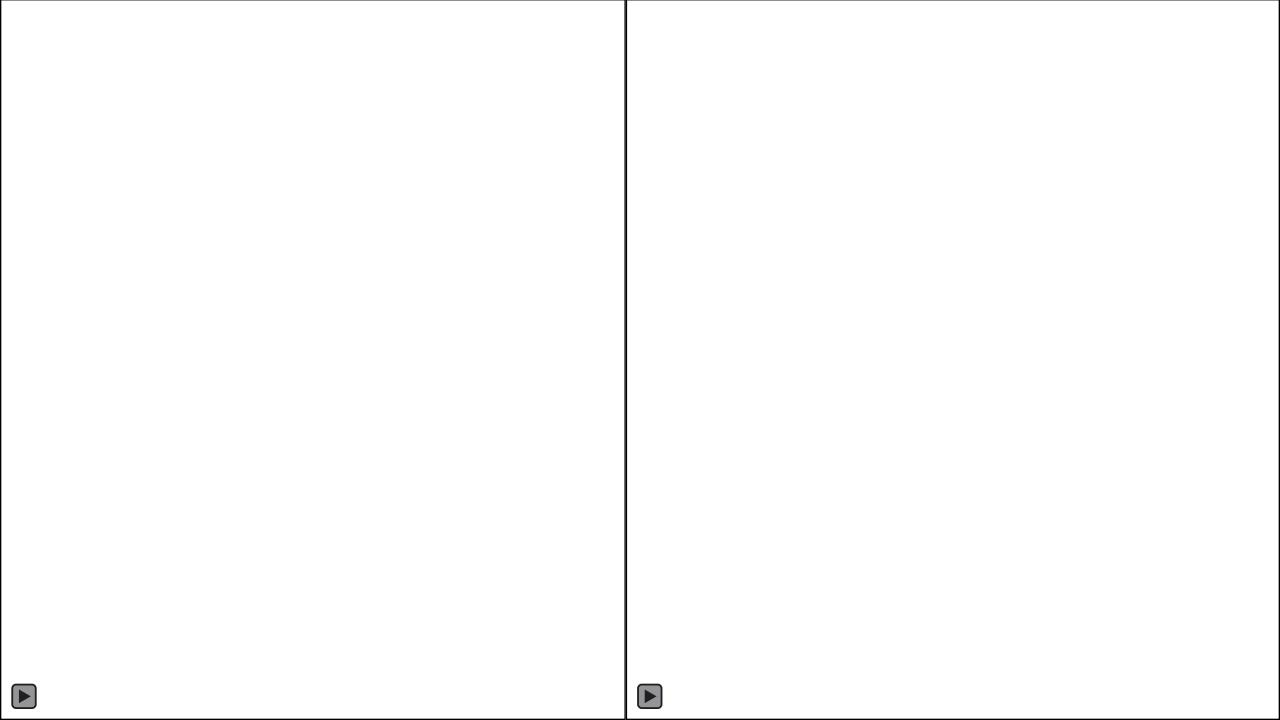
Steve Vanlanduit, InViLab research group

## **Mantis shrimp**

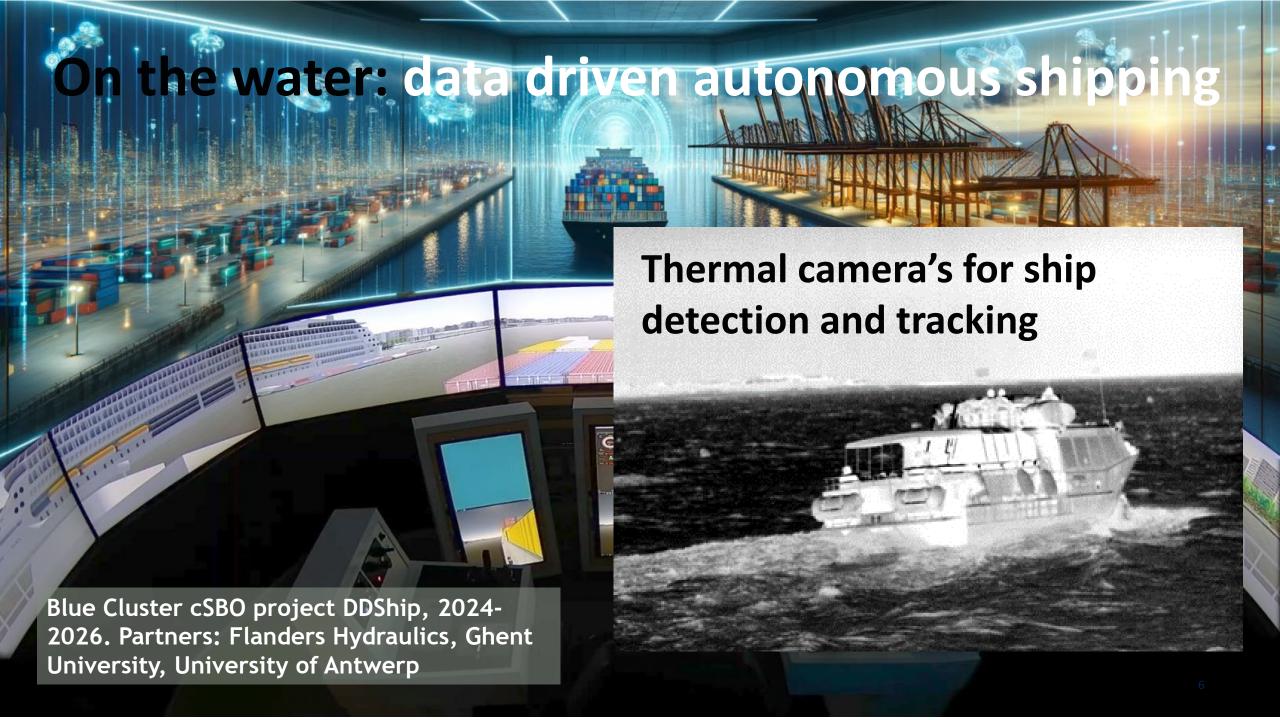


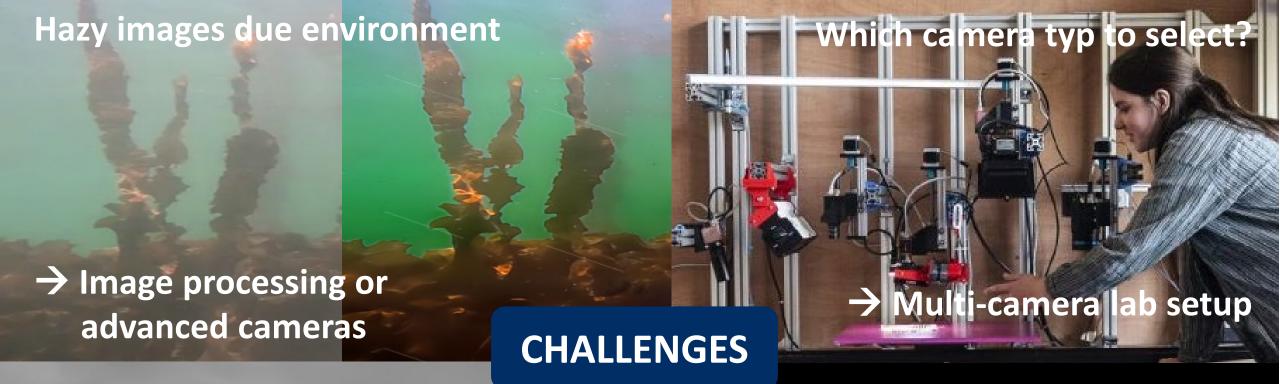
Lies Vansteenbrugge et al, Larval mantis shrimp Rissoides desmaresti (Risso, 1816) in the Belgian part of the North Sea, Belg. J. Zool., 142 (2), 2021.











Sufficient AI training data

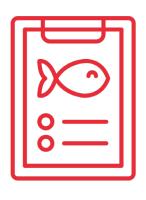
→ Use simulated images

## **High computational cost**



→ Use edge computing

## Vision for the future: possible collaborations



Marine biologists: inspection of maritime ecosystems



Military: security of maritime infrastructure



Offshore operators: inspections and safety of workers



Sea farmers: monitoring of aqua culture

