



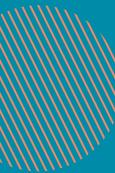
Smart observations and solutions: inspiration, practices and experiences from LifeWatch and the PLUXIN project

Vlaams Instituut voor de Zee vzw
Flanders Marine Institute



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Knowledge gaps



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Policy informing briefs

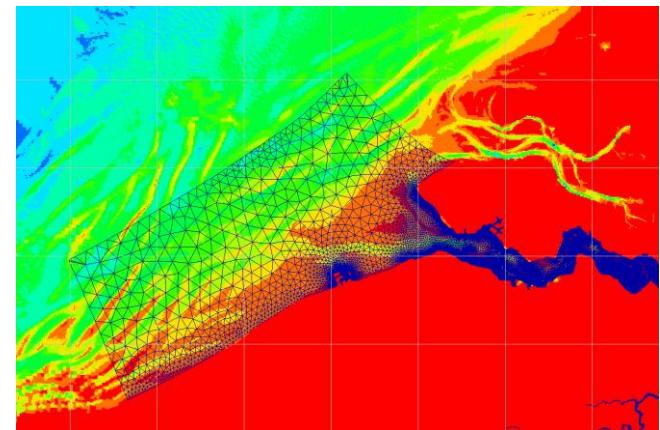
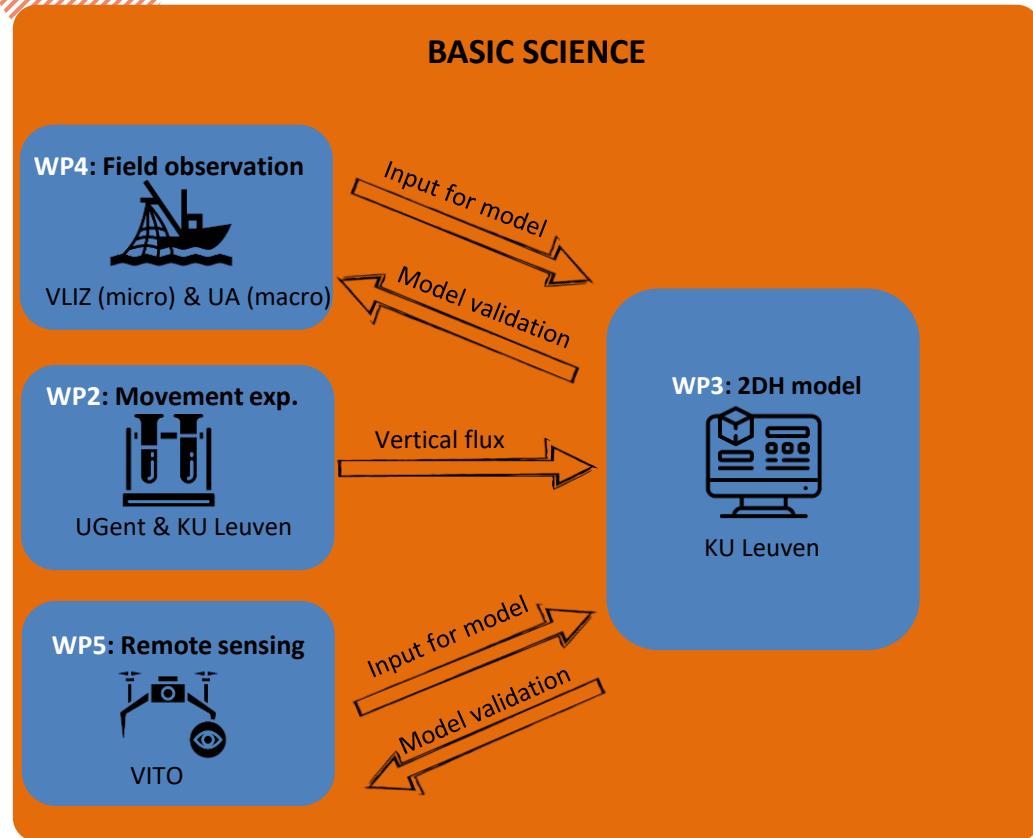
e.g. Annual update: research landscape and scientific knowledge on marine litter and microplastics in BE

Overview of the knowledge gaps & research needs

Critical knowledge gap about the whereabouts of plastics in our waterways and about their flux towards the marine environment



PLUXIN project



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PLUXIN project: automated detection



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WP5: Remote sensing



PLUXIN project: automated detection



Calibration



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WP5: Remote sensing





PLUXIN project: automated detection

Drone data



WP5: Remote sensing



PLUXIN project: automated detection



Drone data

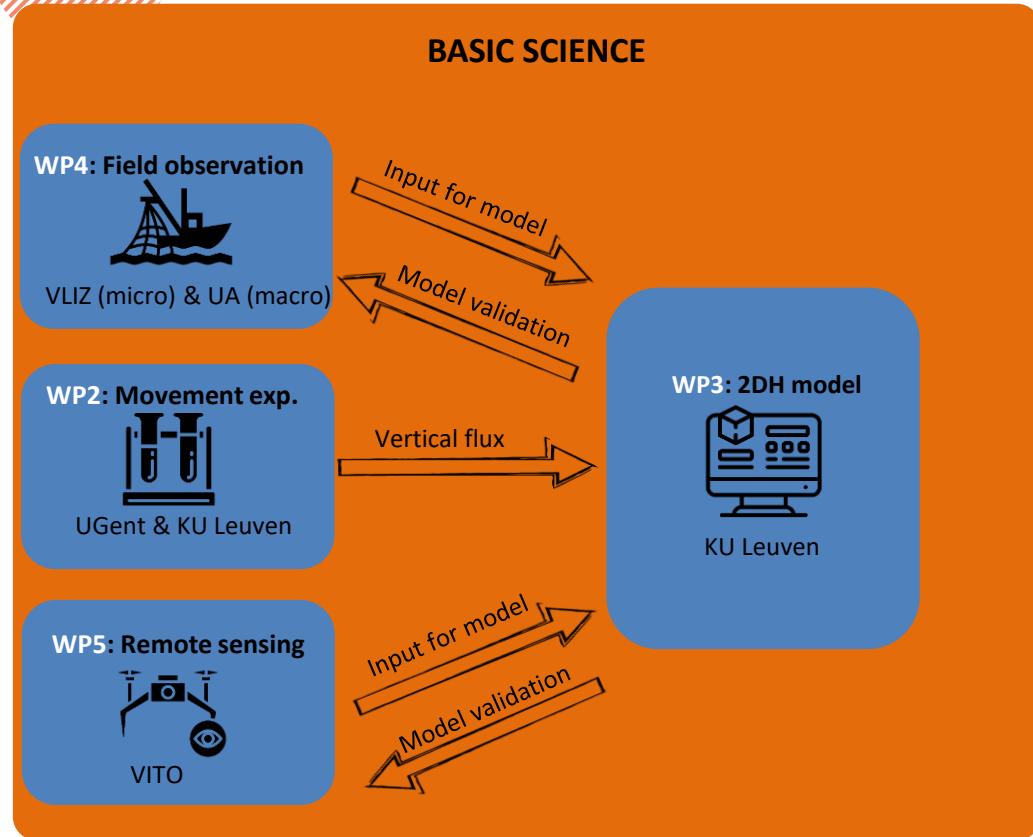


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WP5: Remote sensing



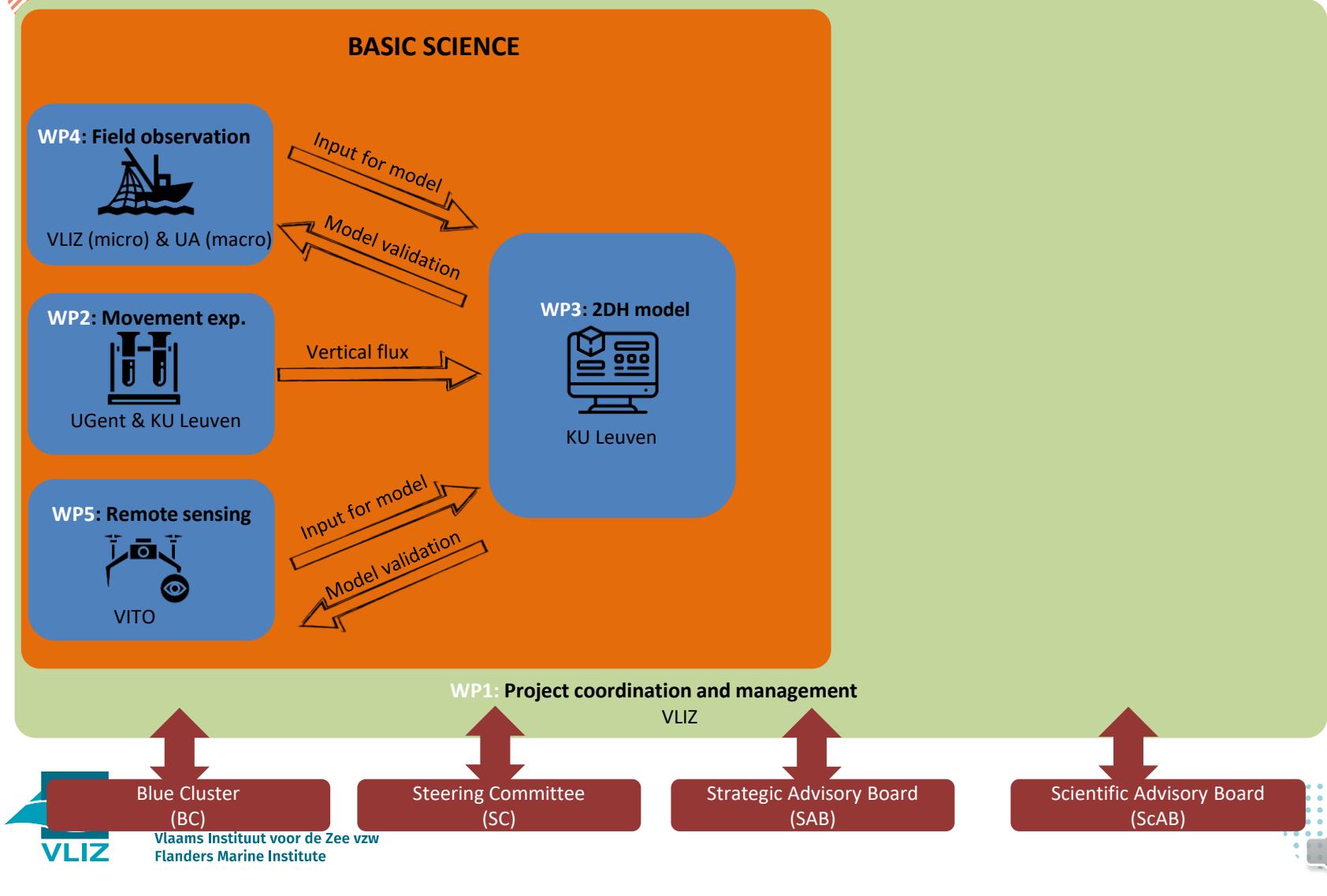
PLUXIN project



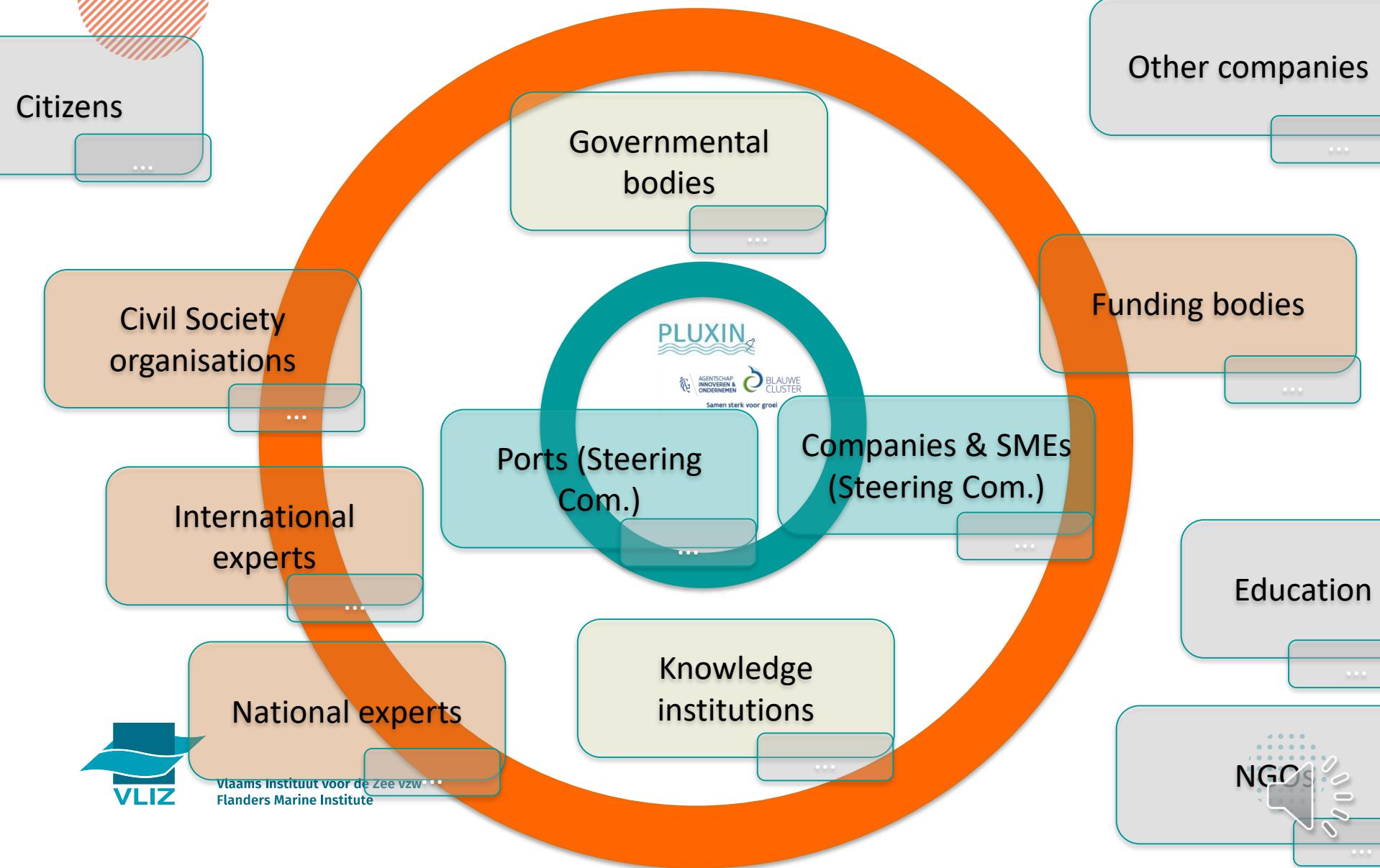
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PLUXIN project



Stakeholder engagement





Stakeholder engagement

Steering committee





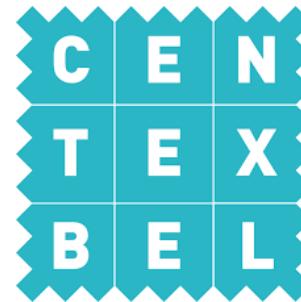
Stakeholder engagement

Strategic advisory board

DEPARTEMENT
ECONOMIE
WETENSCHAP &
INNOVATIE



Vlaamse
overheid



Vlaanderen
is milieu



VLAAMSE
MILIEUMAATSCHAPPIJ





Stakeholder engagement

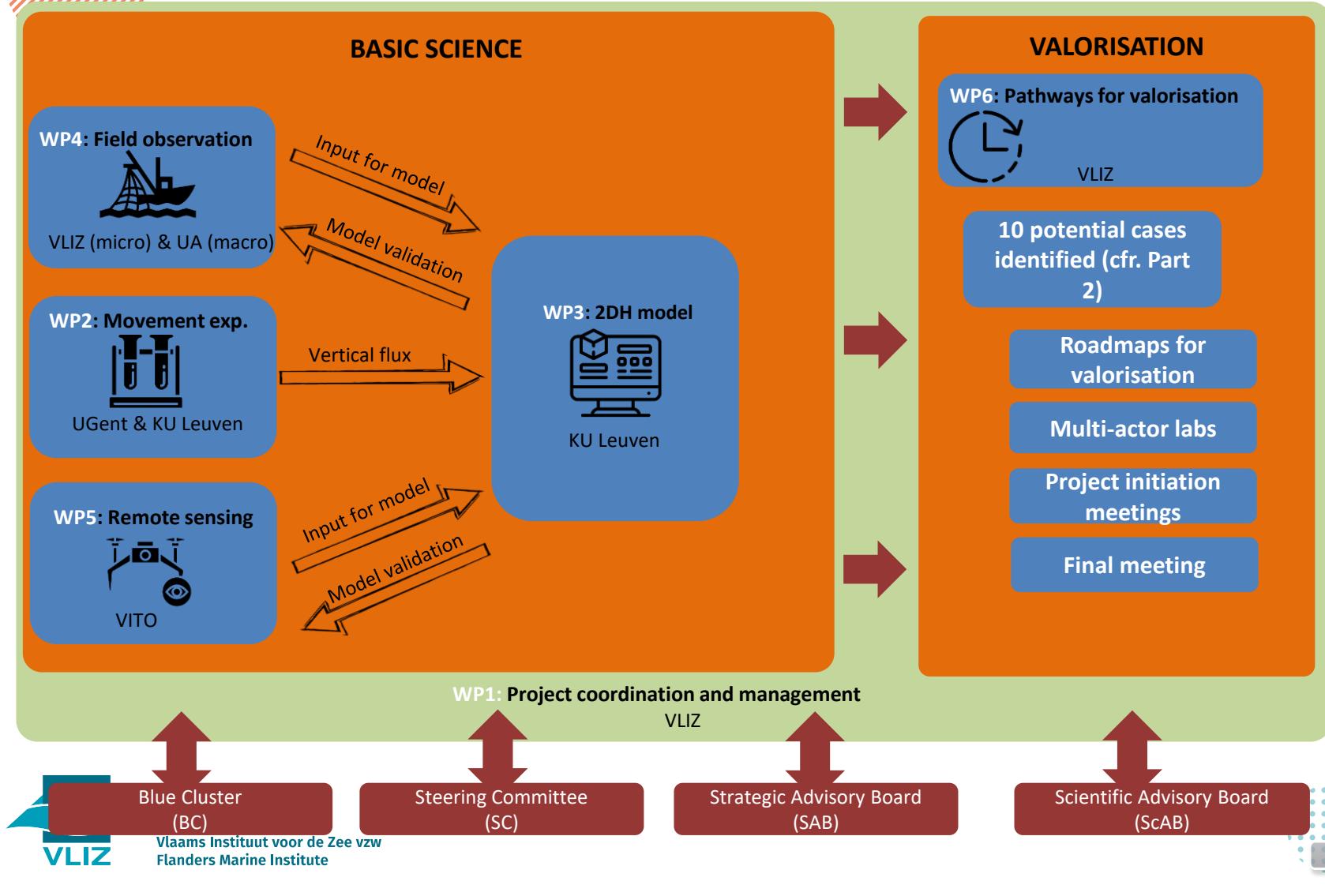
Scientific advisory board

- KULeuven - CHEMARTS, contact: Prof. Jo Van Caneghem
- VITO NV - Sustainable Materials Management, contact: Yoko Dams
- Antwerp Maritime Academy (HZS), contact: dr. Rowan Van Schaeren
- UHasselt - Centre for environmental sciences, contact: Prof. Karen Smeets
- ILVO, contact: dr. Bavo De Witte
- UAntwerpen - iPRACS, contact: Prof. Pieter Billen
- RBINS, contact dr. Kevin Ruddick
- UGent - Department of Green Chemistry and technology, contact: Prof. Steven De Meester
- UGent - Marbiol, contact: dr. Carl van Colen
- INBO, contact: dr. Ine Pauwels
- VIVES, contact: dr. Olivier DeWolf

- Norway - GridArendal, contact: dr. Thomas Maes
- Spain - Instituto Espanol de Oceanografia (IEO), contact: dr. Eduardo Balguerias Guerra
- Sweden - Stockholm University, contact: Prof. Matthew MacLeod
- USA - University of Connecticut, contact: Prof. Heidi Dierssen



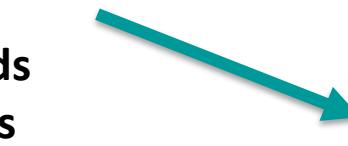
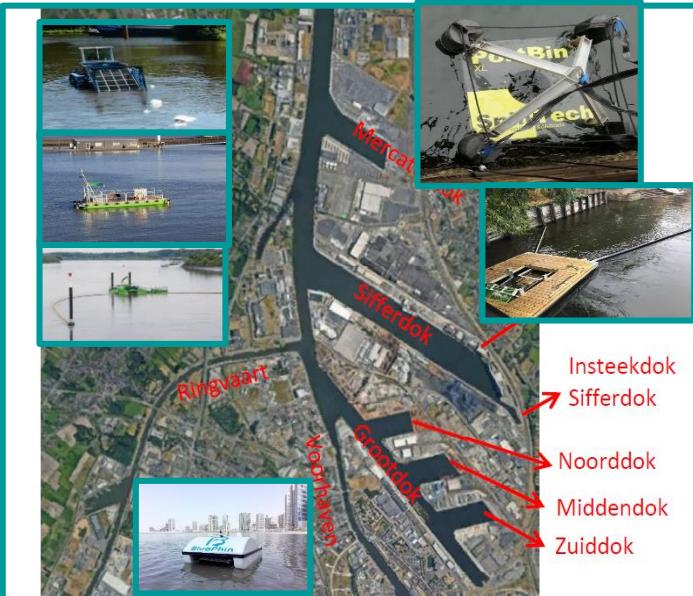
PLUXIN project



Valorisation: collaborative innovation

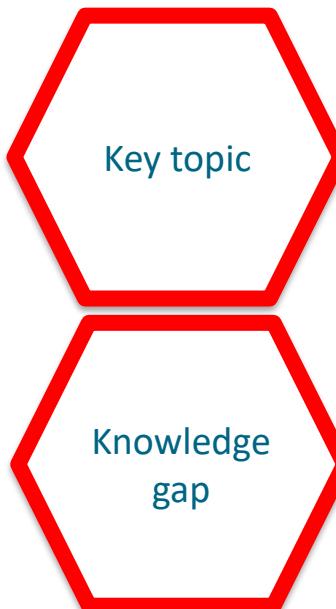
Design Research - Interviews

Bilateral consultations, stakeholder meetings, polls, etc. **to identify the fields of interest, obstacles, needs and wishes of the stakeholders.**



Umbrella theme

Select theme for which there is common support.



Example: **plastic removal/ collection technologies.**

Stakeholders: Knowledge on (removal efficiency of) existing plastic remediation technologies/installations.



PLUXIN project





samen voor #sterkgroeien



Ecosystem Management
Research Group (Ecobe)
University of Antwerp



vito
remote sensing



www.pluxin.be