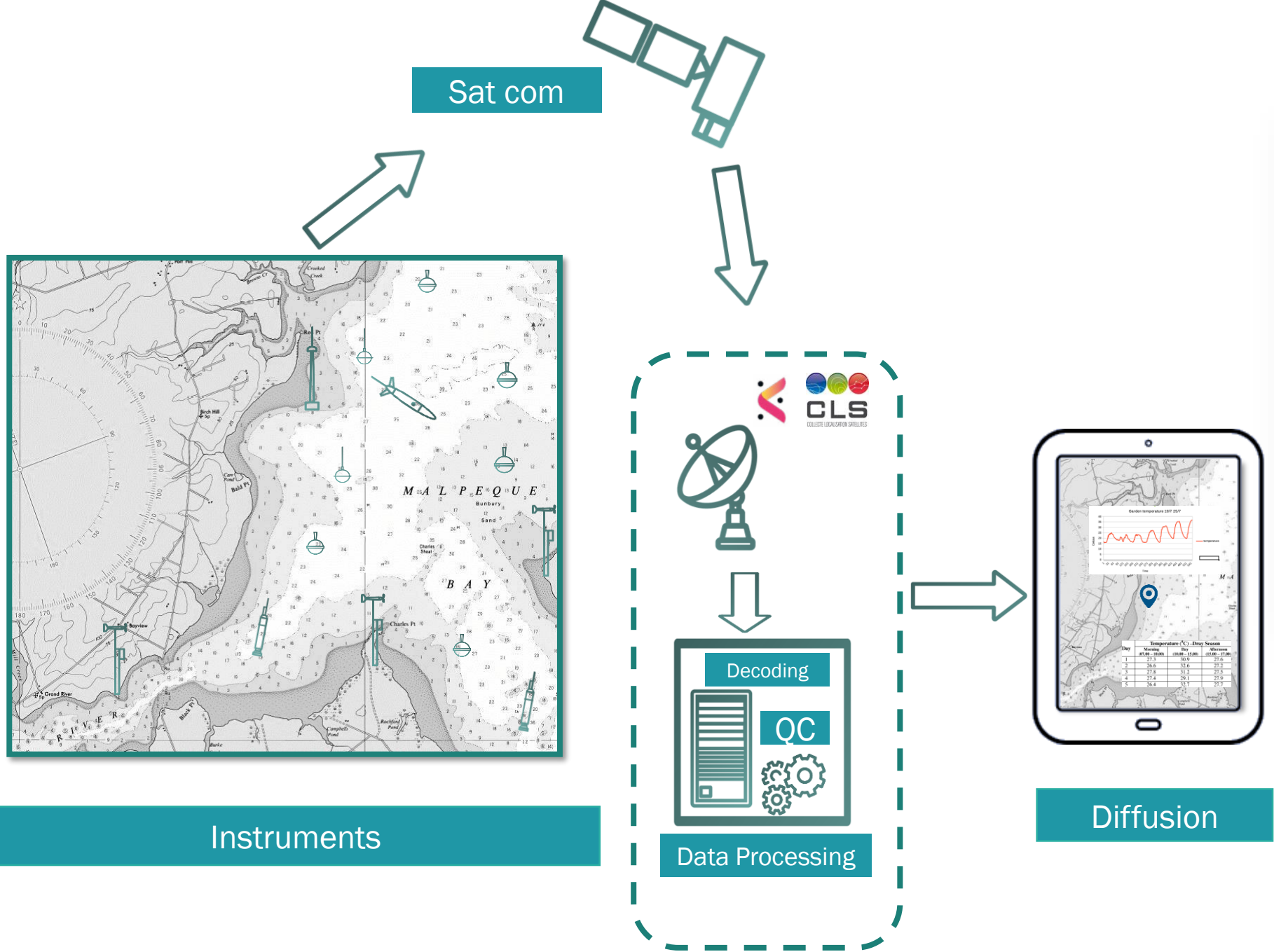


# Tracking Marine Debris In Situ





- ## How does it work?
- Position calculated by Tag
  - Stored onboard
  - Sent to Satellite
  - Transmitted to ground station,
  - Decoded/ QC
  - Distributed



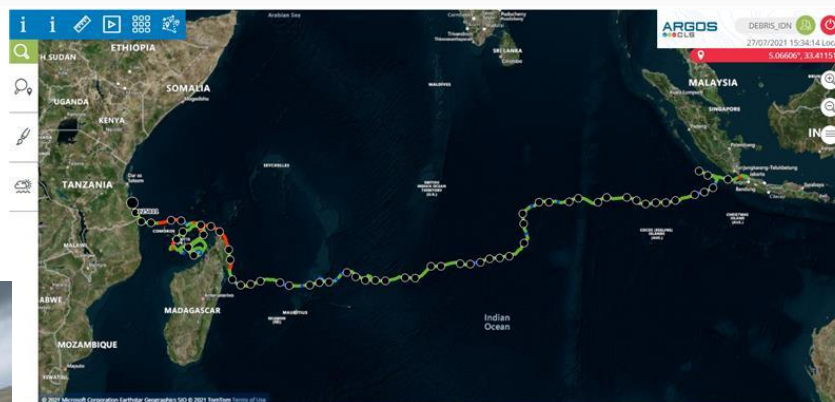
# Tracking Steps



Configure



Deploy

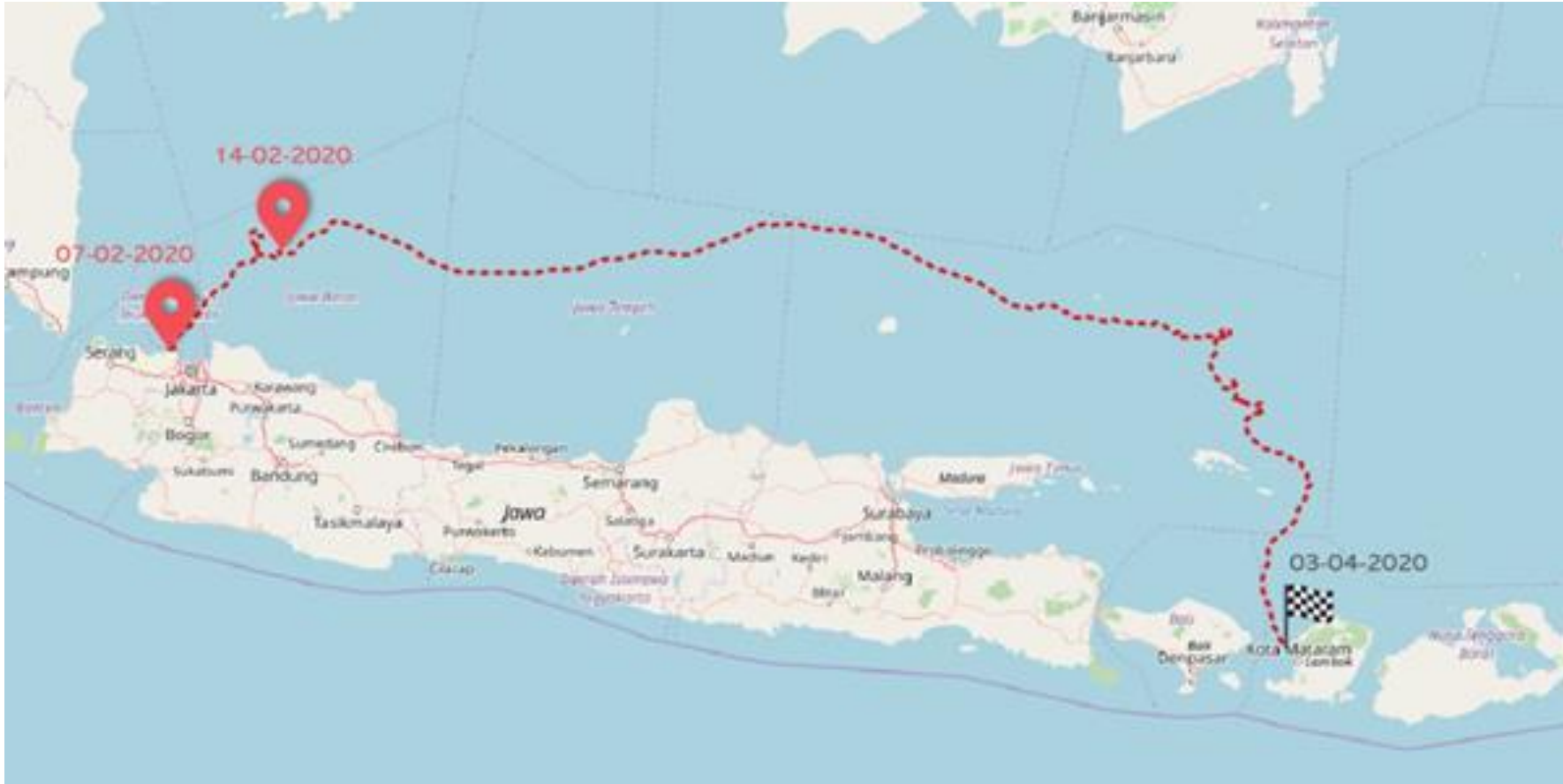


Track



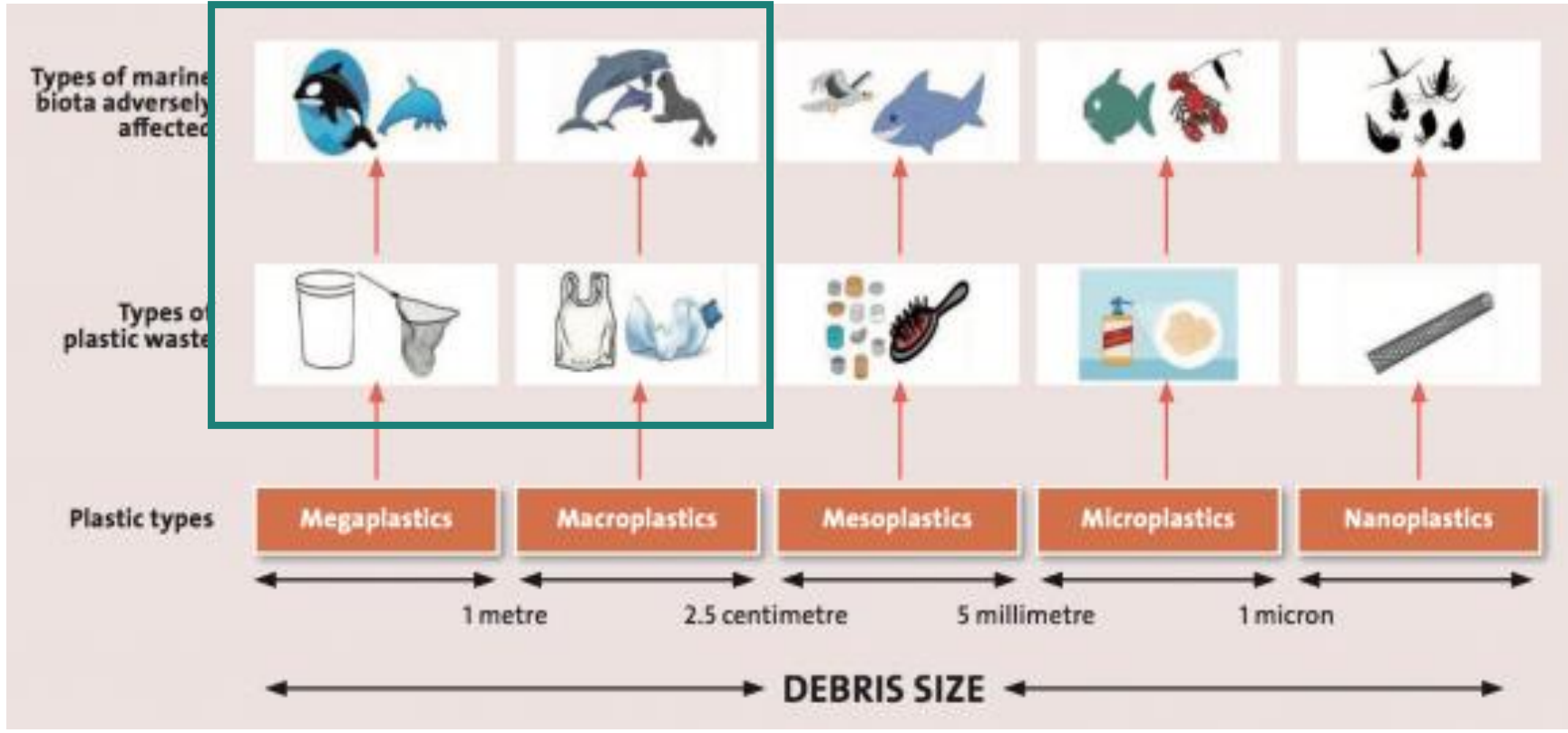
Recover





## Plastic Tracker:

- GPS
- Argos modem
- 3 months-1 year autonomy
- 1 position/hour
- Easy to deploy and recover



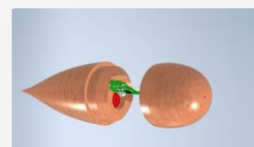
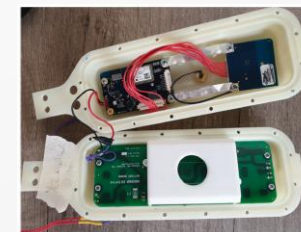
What Can we track?

Decomposition over time





# Type of Trackers





## Science:

- marine plastic behavior & accumulation areas
- ground truthing ocean & drift model

## Conservation:

- animal & plastic trajectories

## Contingency:

- identify vulnerable areas (such as mpa)

## Prevention:

- fishing gear recovery

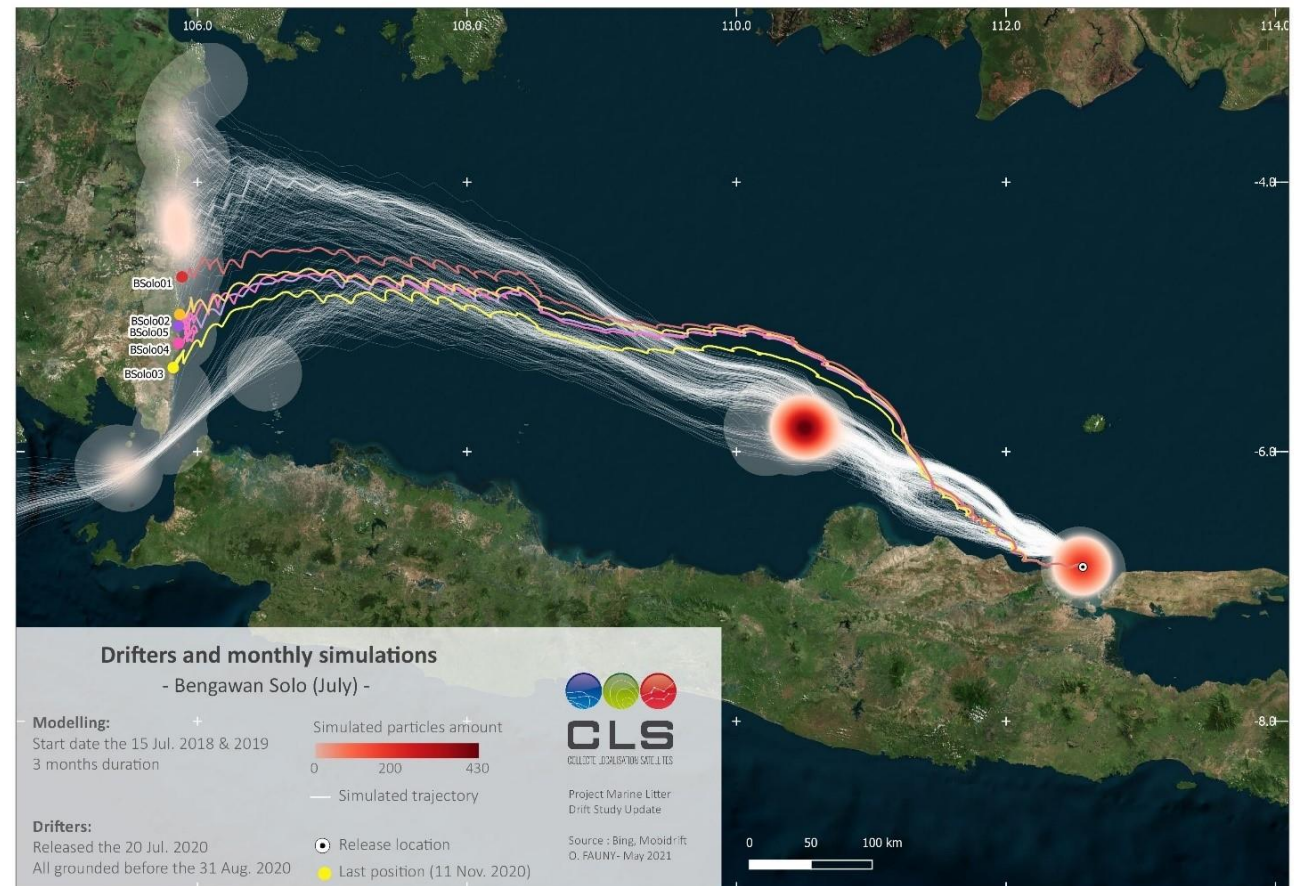
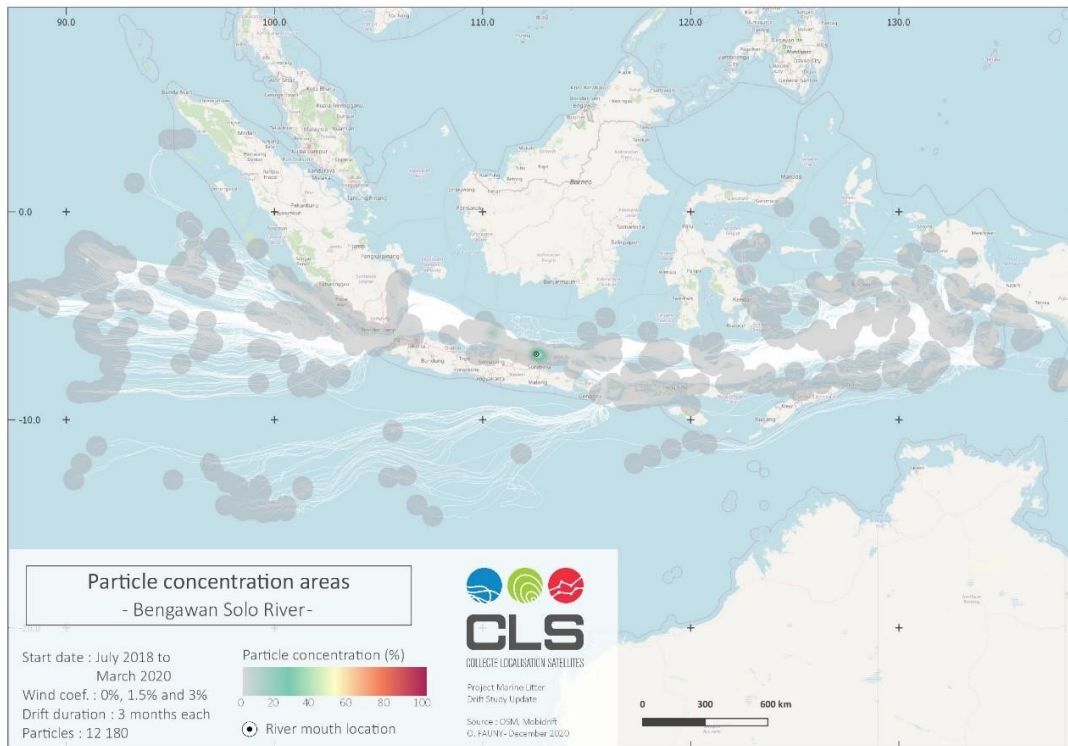


# Tracking Uses





# COMBINING TOOLS: TRACKER & DRIFT STUDY RESULTS







Thank you



Questions?

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