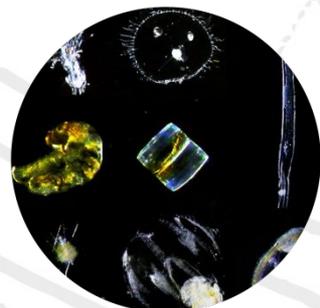




**ASTROLABE
EXPEDITIONS**

Ocean science for sailors

Cédric Courson, CEO

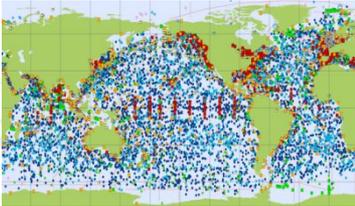


Ocean Observers – Juin 2017

Our society is evolving!



Scientific research needs



Significant
lack of data

Few oceanographic
vessels



Share scientific
findings



Citizens get involved



Give a purpose
to their trip

Become actor in
our society

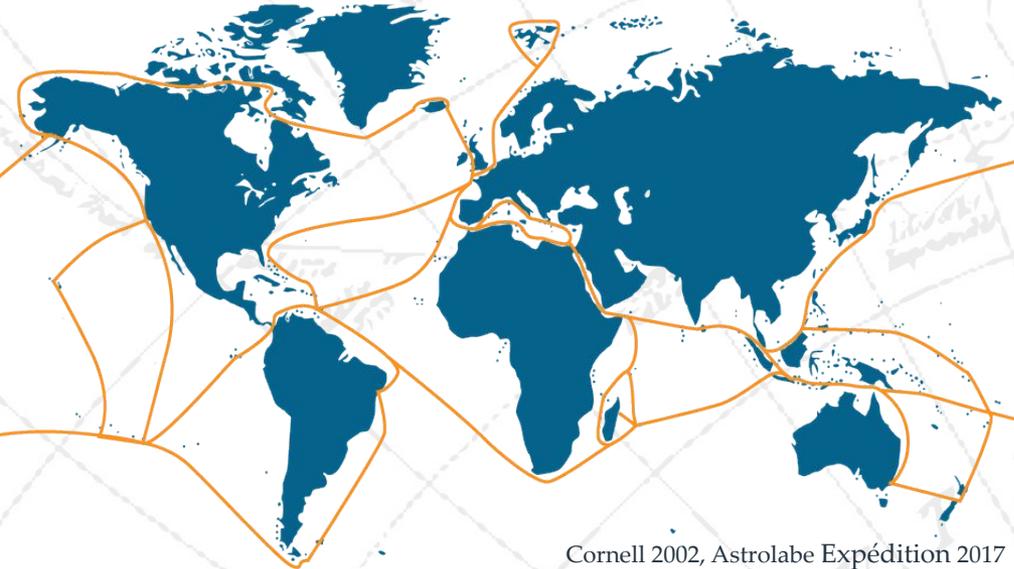


DIY/Maker
movement



Sailors around the world

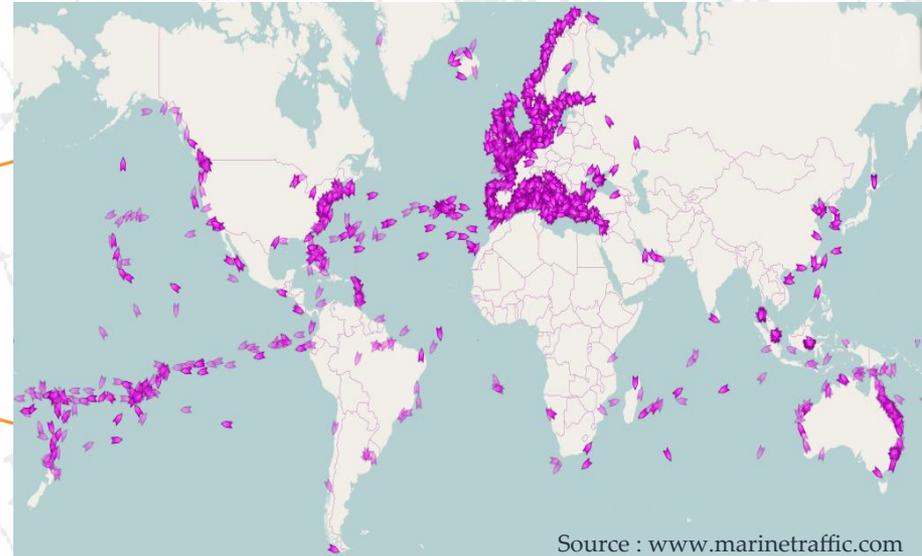
Main offshore routes



Cornell 2002, Astrolabe Expédition 2017

12 000 sailing boats
permanently offshore

Current sailing boats position



Source : www.marinetraffic.com

More than 20 millions sailors
around the world

A network of citizen laboratories



Tools



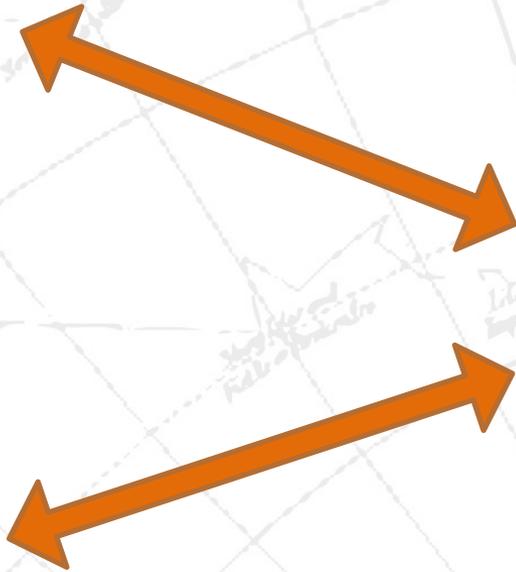
Know-how



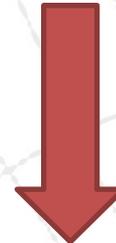
About 1000 fablabs in the world



A citizen research team



- Fablab
- Motivated citizen
- Scientist
- Engineer
- Designer
- Educator
- Mediator
- Etc....



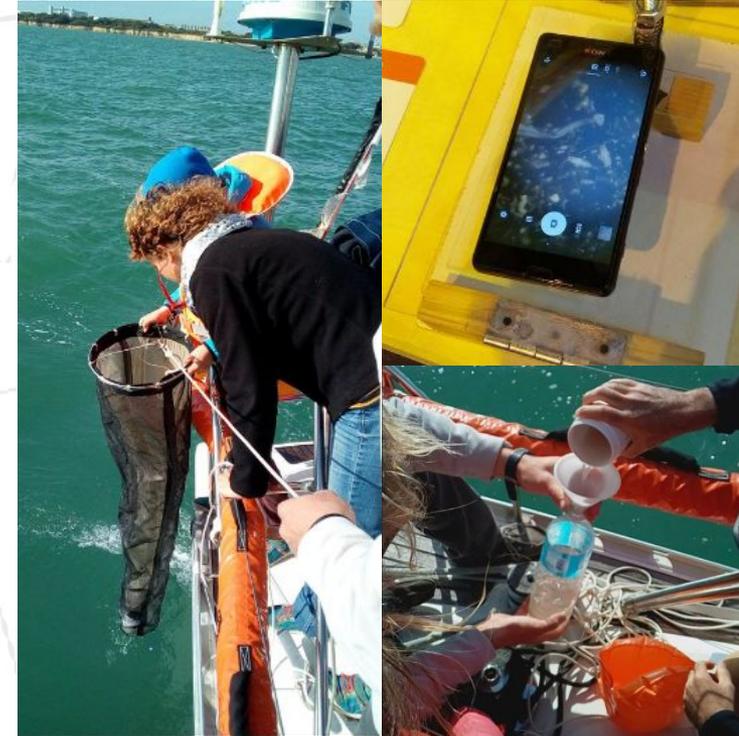
Citizen science program



Citizen science program

- A scientific **problem**
- A **protocol** to solve the problem
- A measurement **set**
- A **database** to centralize the data
- **Pedagogical tools** to understand and be involved

=> *An organization to organize, train and support*



boitier de communication



sondes température
et conductivité

Our science programs

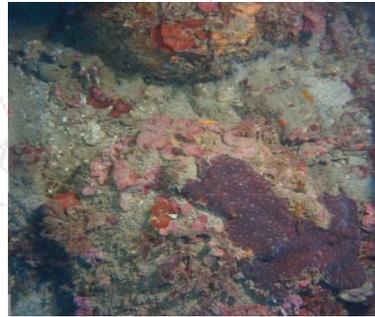
SensOcean

Measure physical properties of the Ocean



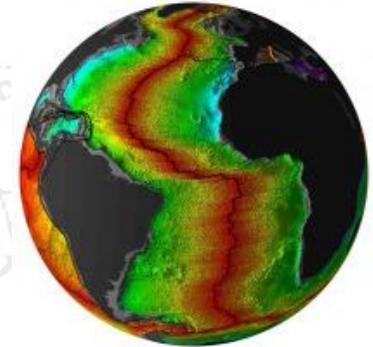
DeepCor

Observation of mesophotic corals



MagSail

Measure the magnetic field at sea



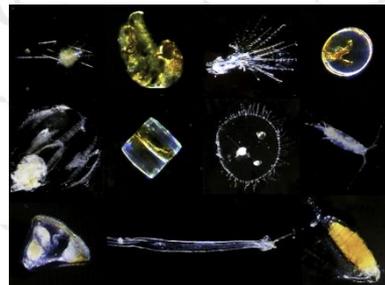
Ketos

Observation and bio-acoustic of cetaceans



Planktidex

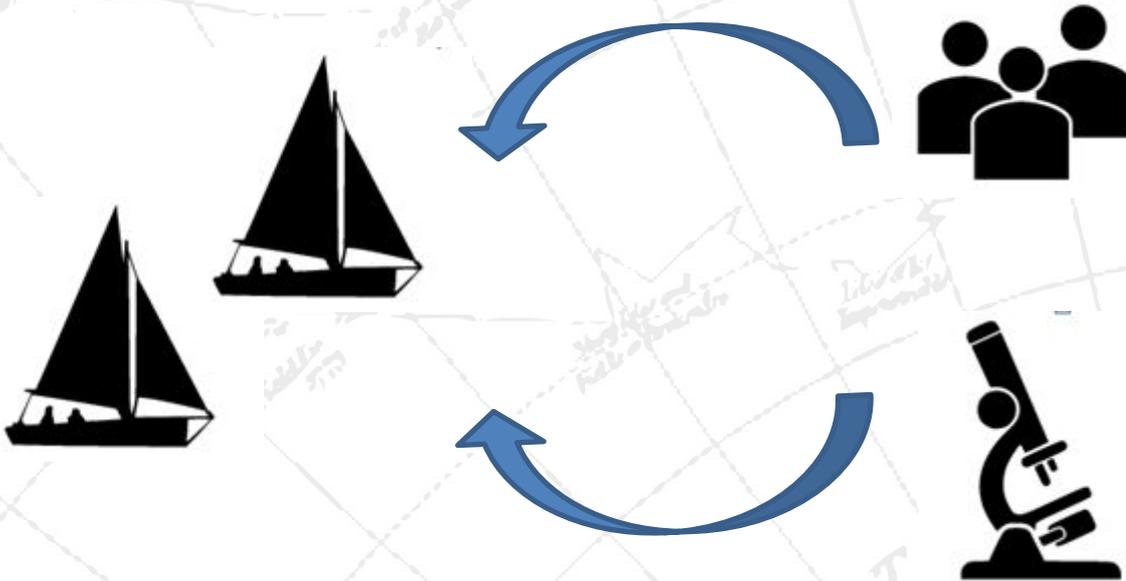
Photography and recognition of the plankton



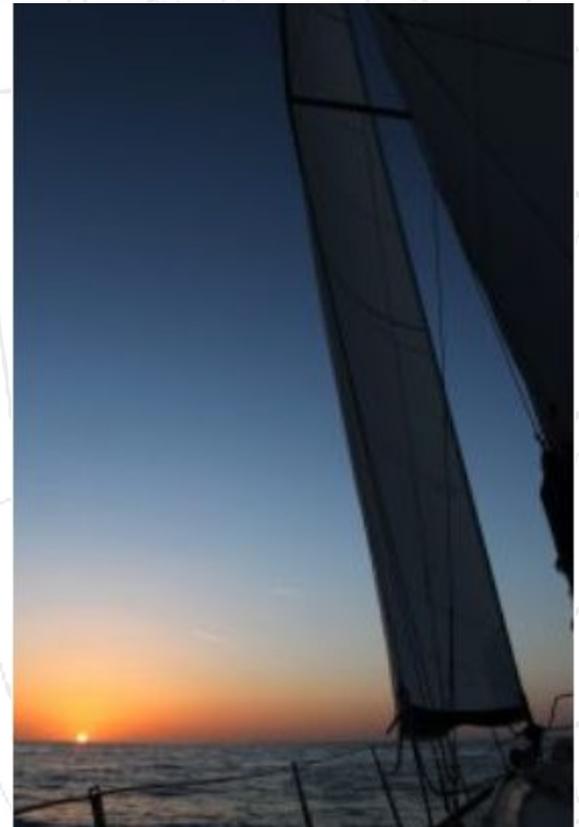
Citizen science program are:

- Accessible to all
- Designed by citizens and researchers

A new kind of expeditions



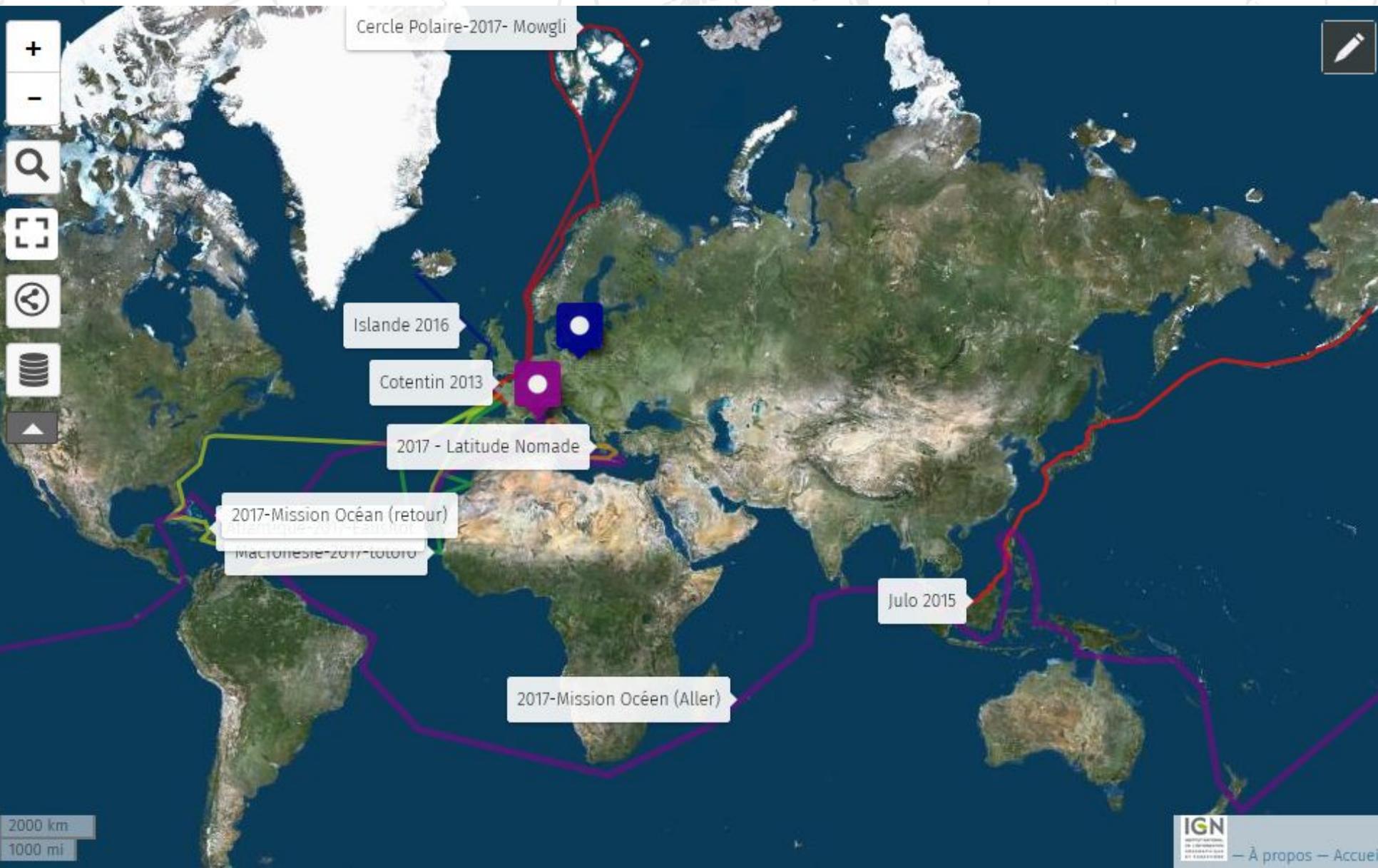
Expeditions by/for citizens
Open and free





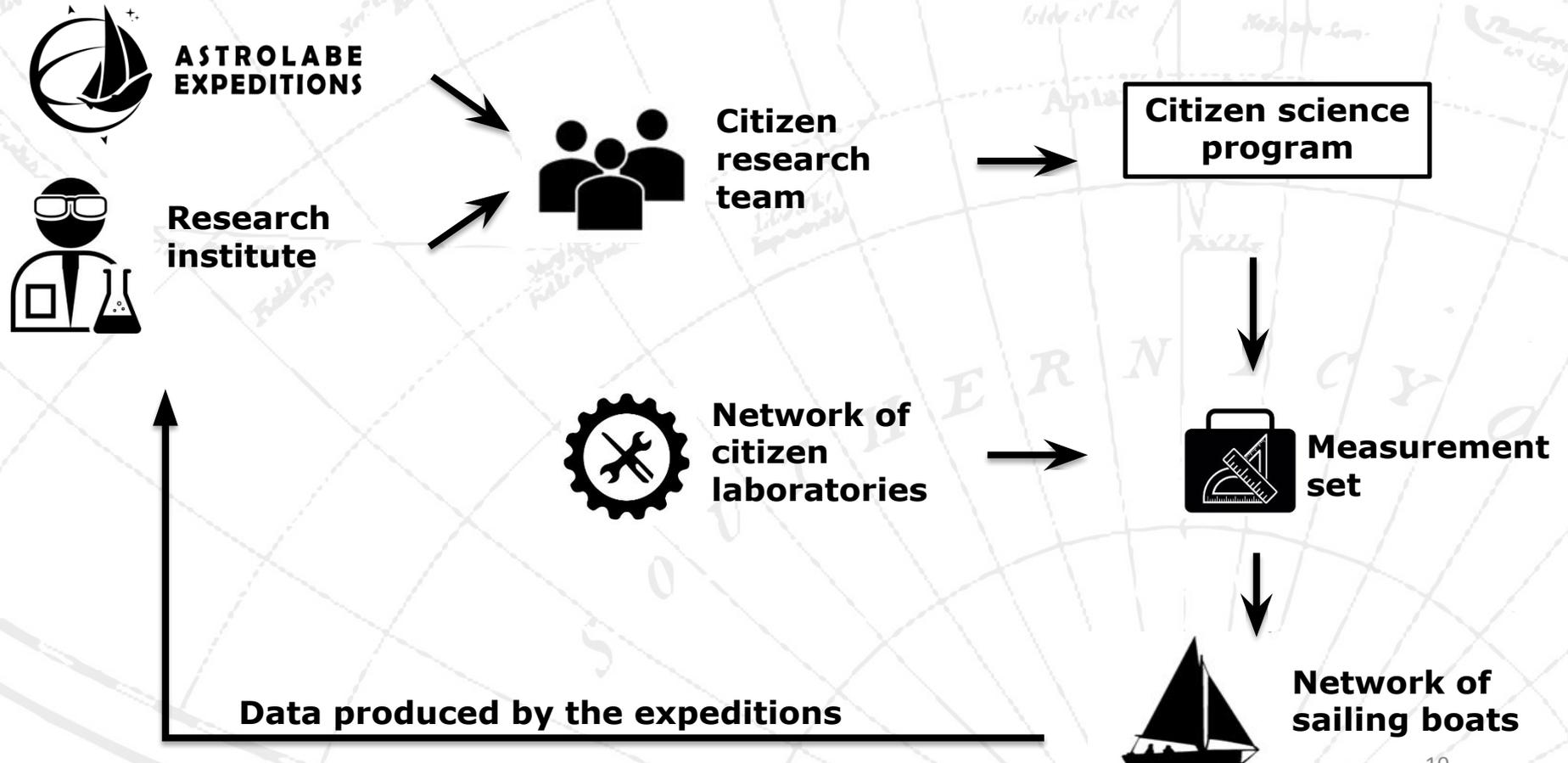
**ASTROLABE
EXPEDITIONS**

A new kind of expeditions



Astrolabe Expeditions is :

An ecosystem allowing to produce large scale data





**ASTROLABE
EXPEDITIONS**

Thank you for your attention!

