

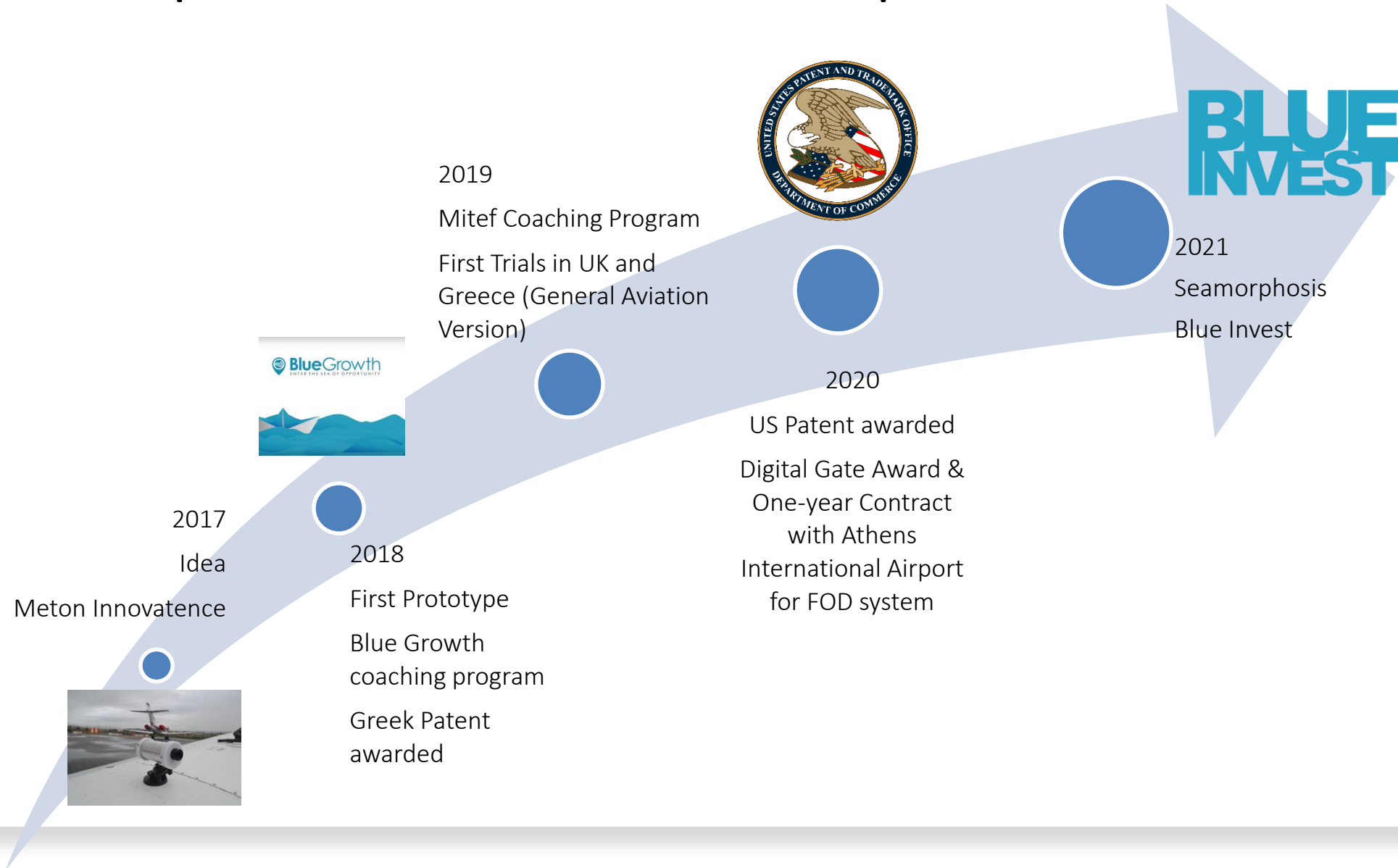
**BLUE  
INVEST**

# *Seamorphosis*



Dr. Stavros Tsantzalis, Founder

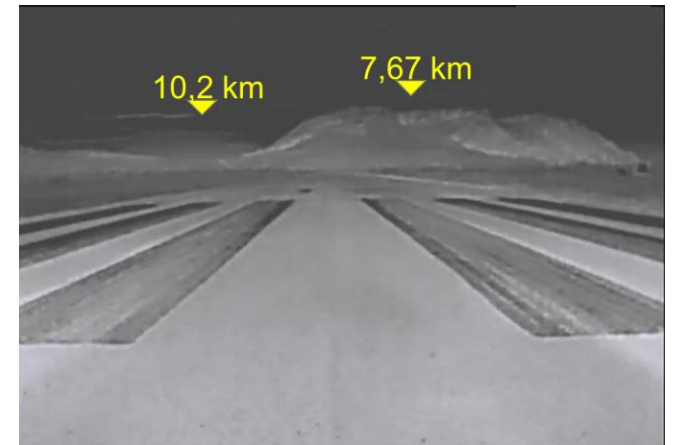
# The implementation / time plan / milestones





## Enhanced Orasis System (EnOraSys) + Fire Detection System for General Aviation Air Vehicles

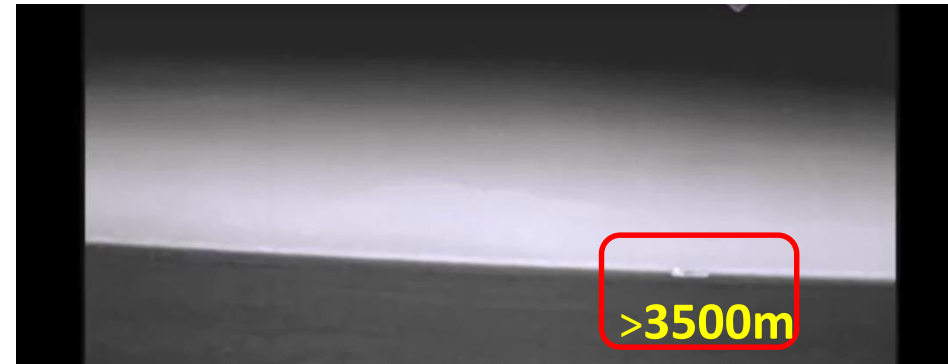
# Meton Innovatence Heritage





# Meton Innovatence Heritage

Enhanced Orasis System for Vessels/Boats/Ships



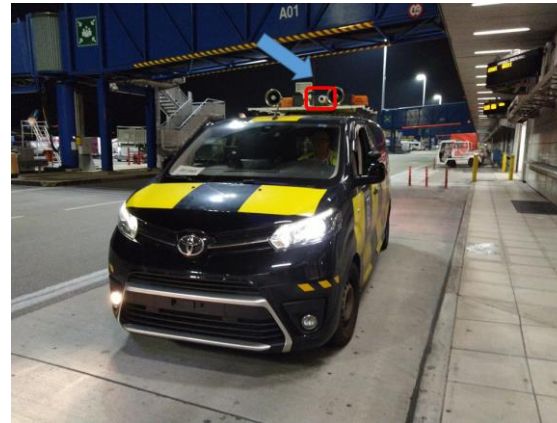
<https://www.youtube.com/watch?v=0WXMylImpU&t=8s>

First Prize



# Meton Innovatence Heritage

## Foreign Object Debris Detection System



"The attached picture was taken during inspection driving in a fog patch on TWY D. In white out conditions the camera can be helpful as you can see the TWY centerline as guidance".

Source: AIA FO team

# Building Strong Protection

- PATENTS
  - Greek patent (OBI), 2018
  - US Patent, January 2020
  - *Foreign Object Debris (in progress)*
- REGULATORY APPROVALS
  - CE marking (*in Progress*)
  - Trade Secrets
- PROPRIATORY ALGORITHMS



# Meton Innovatence Participation / Awards



First Prize  
Foreign Object Debris  
Detection System



Youth Entrepreneurship  
Acceleration Program  
Scale Up Program



Thermal Imaging is an ideal tool to see Clearly at Low Visibility Conditions..



..but even **now only 10%** of Vessels/Boats have been equipped with it!

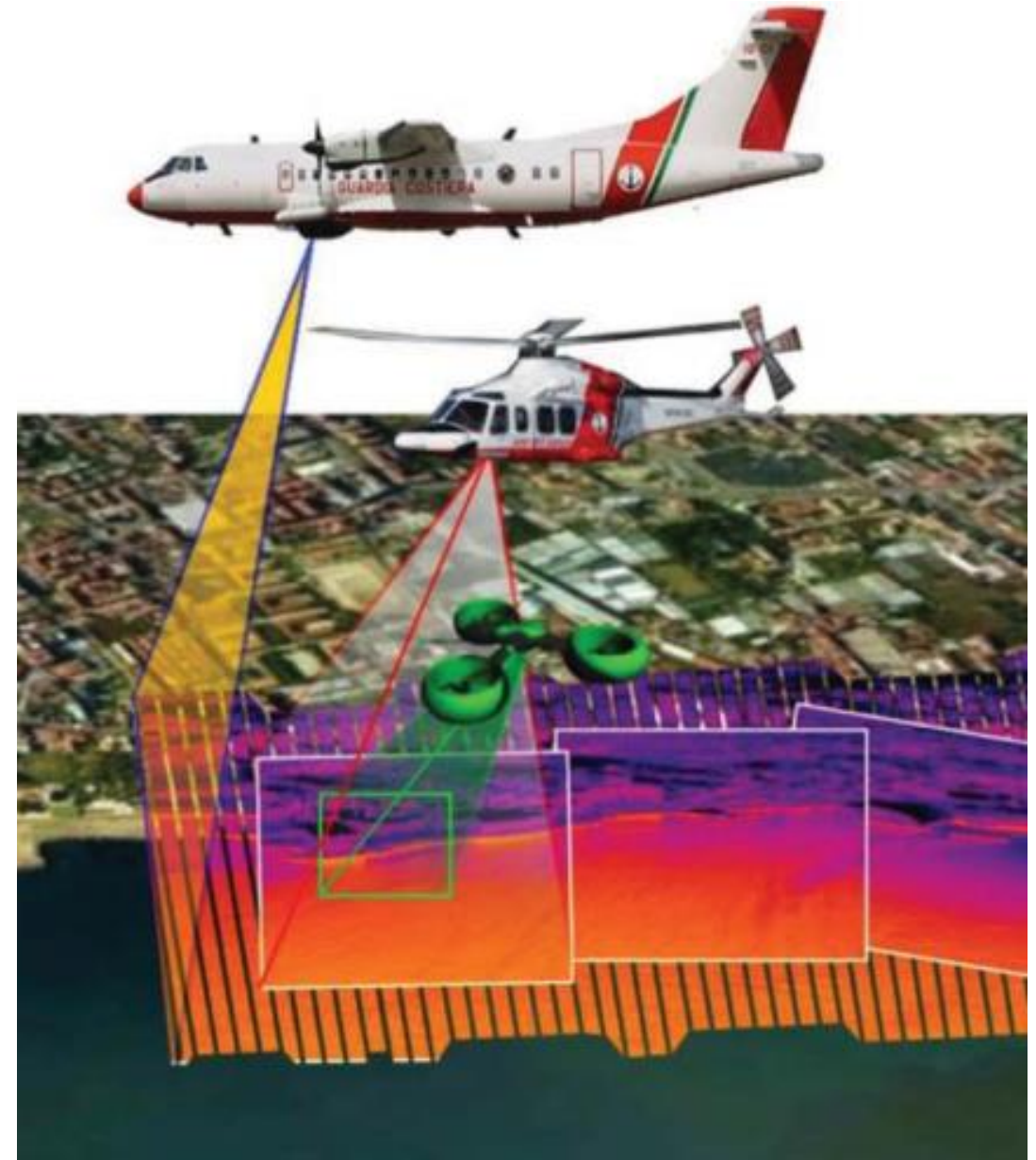


# Infrared Thermography is also an ideal tool to detect environmental contamination

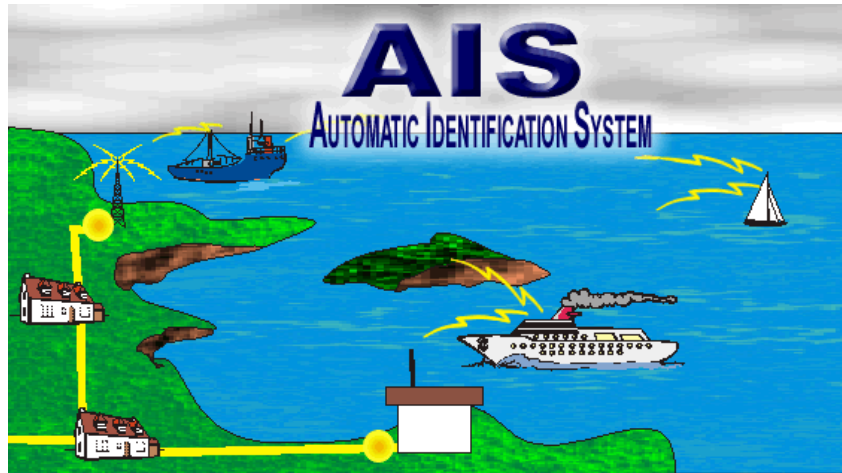
Detection, evaluation and tracking signs of environmental contamination using a variety of advanced aerial platforms such as manned aircrafts/helicopters, unmanned fixed wing aircrafts/rotorcrafts and Coast Guard vessels.



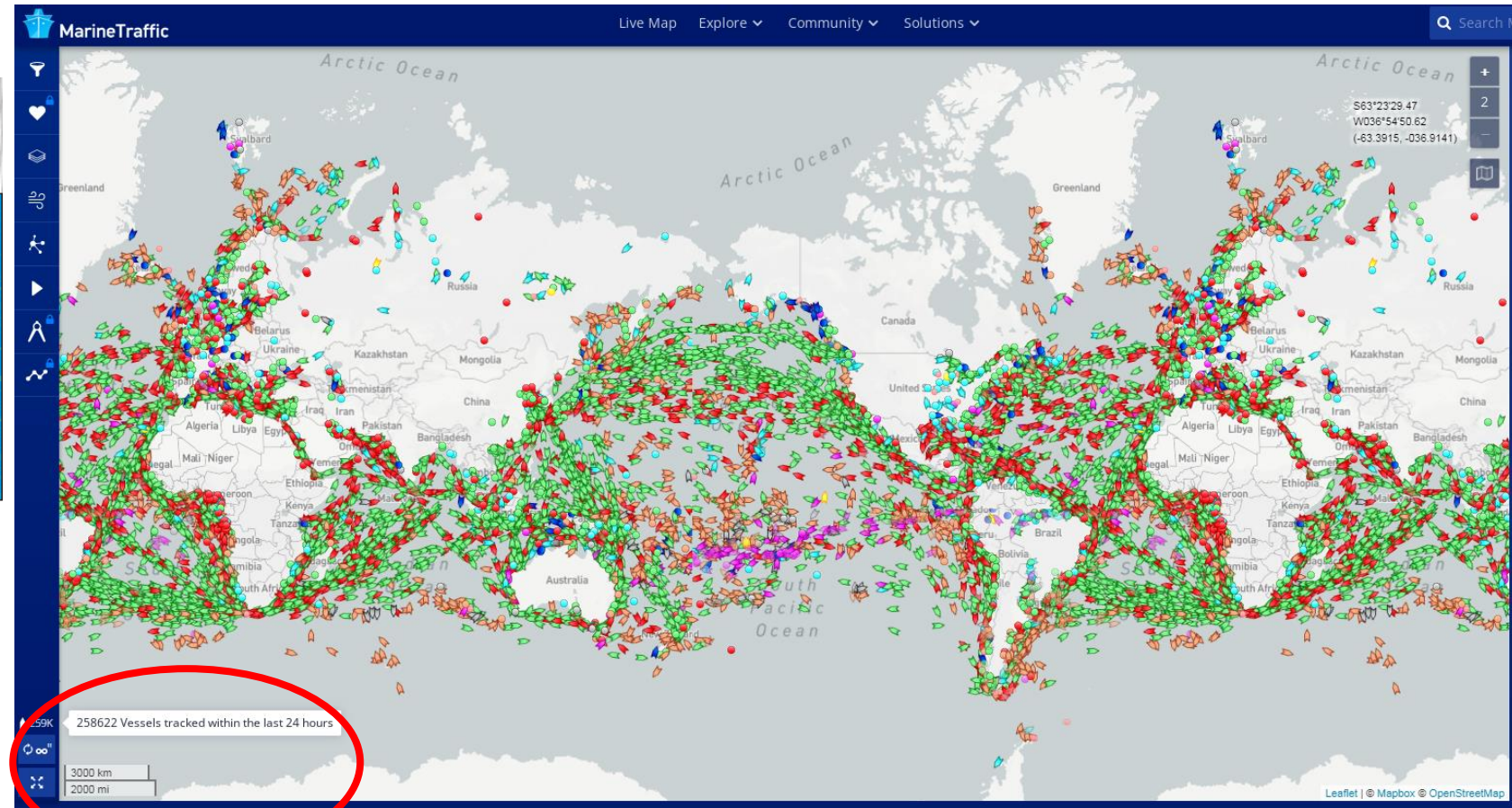
- Expensive (dedicated flights)
- Limited Number (Coast Guard)
- Limited Coverage (close to the coast lines)
- Limited Time of Flights (day)
- No-Real time Global Data
- No-Recorded Data



# Let's think...



The Automatic Identification System (AIS) is an automatic tracking system that uses **transceivers** on ships and is used by **vessel traffic services**. When satellites are used to detect AIS signatures, the term *Satellite-AIS* (S-AIS) is used.

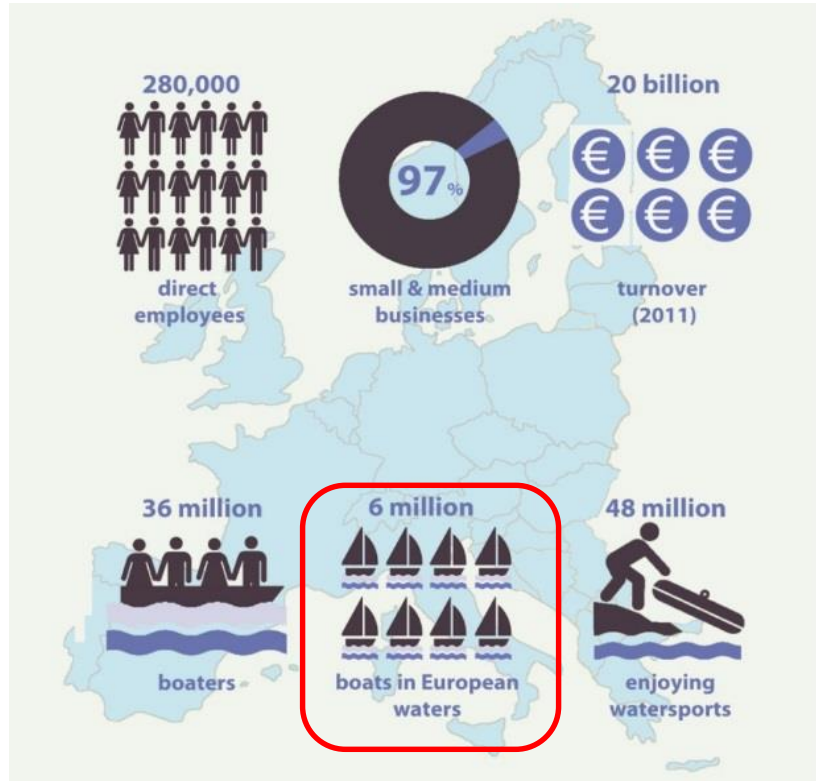


258.622 Vessels within the last 24 Hours are equipped with AIS system.



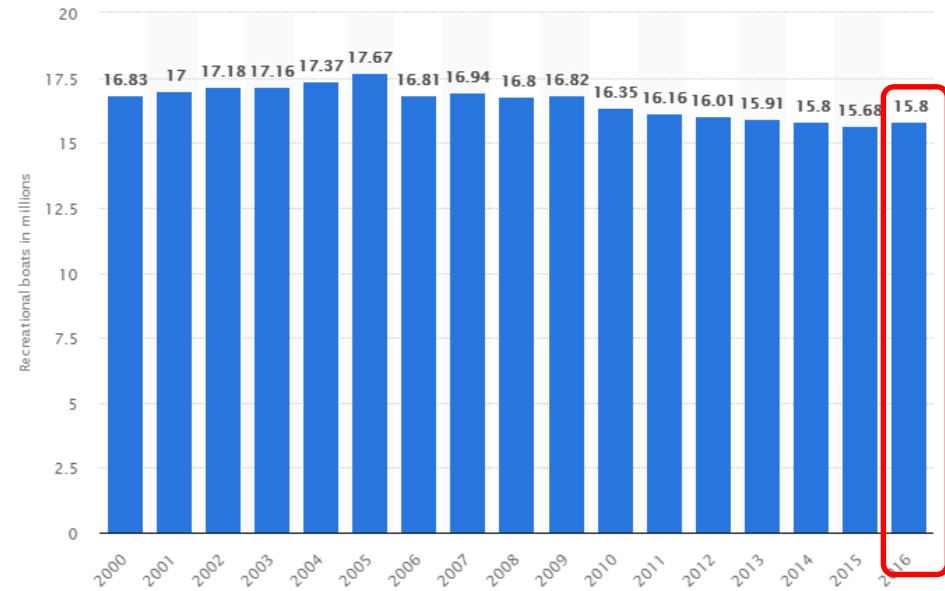
# Adding also...

## In Europe



Source: International Council of Marine Industry Associations

## And in USA



© Statista 2018

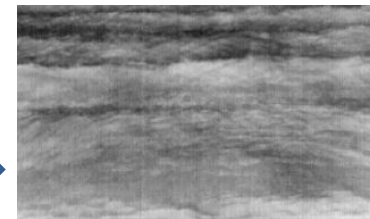
~22 millions of Recreational Boats (optional) AIS

# SeaMorphosis

A Continuous Real Time Detection, Evaluation and Tracking of  
Sea & River environmental Contamination

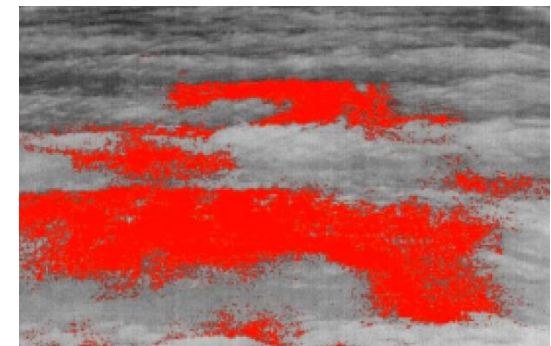
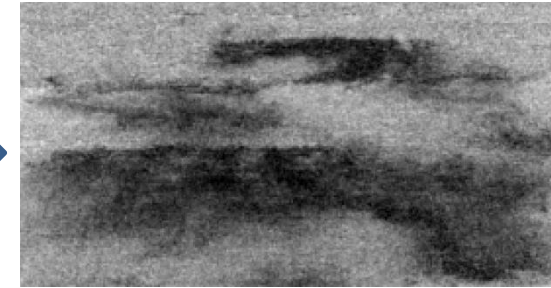


Limited Information



Thermal Image

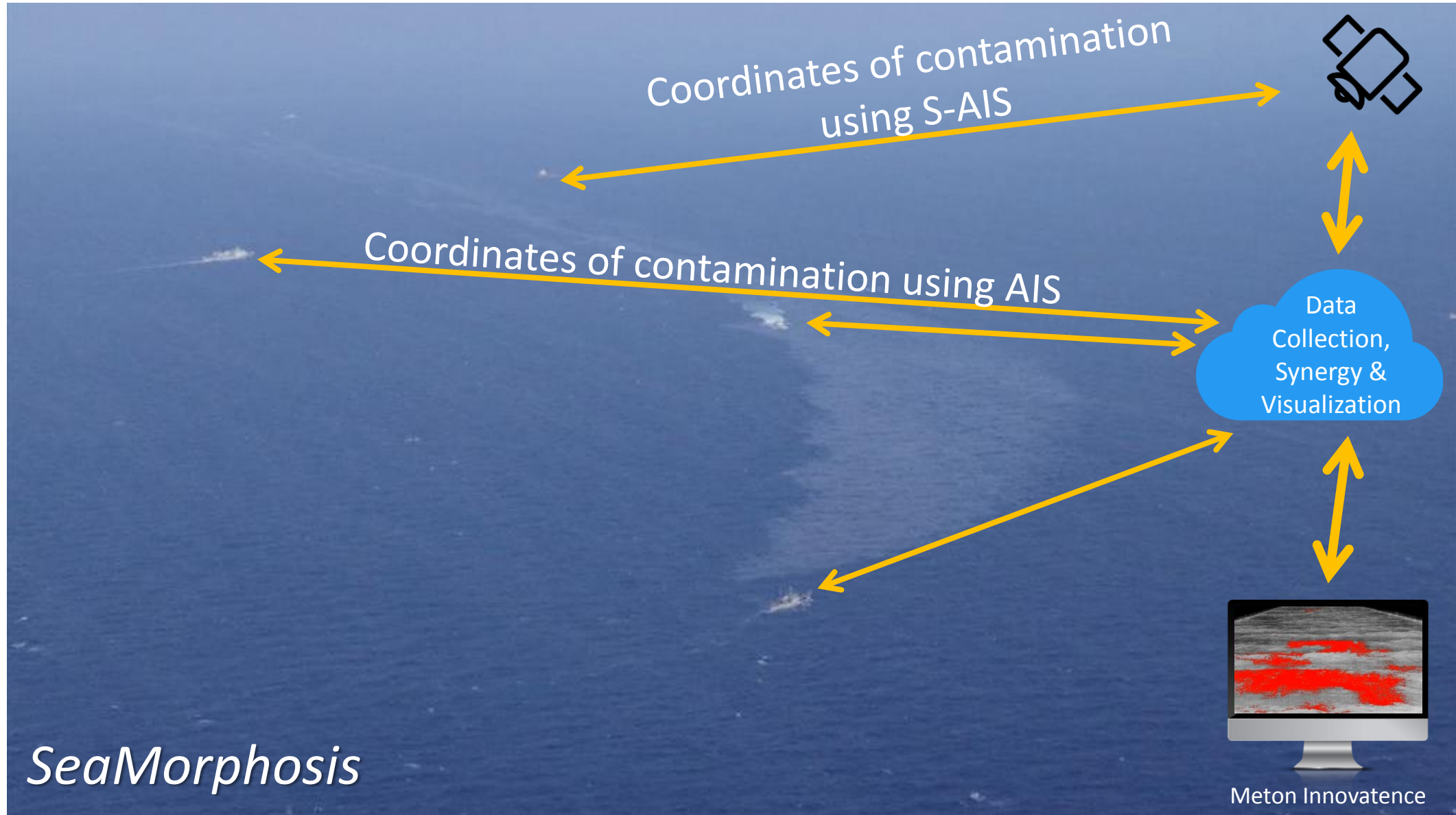
Enhanced Thermal Image



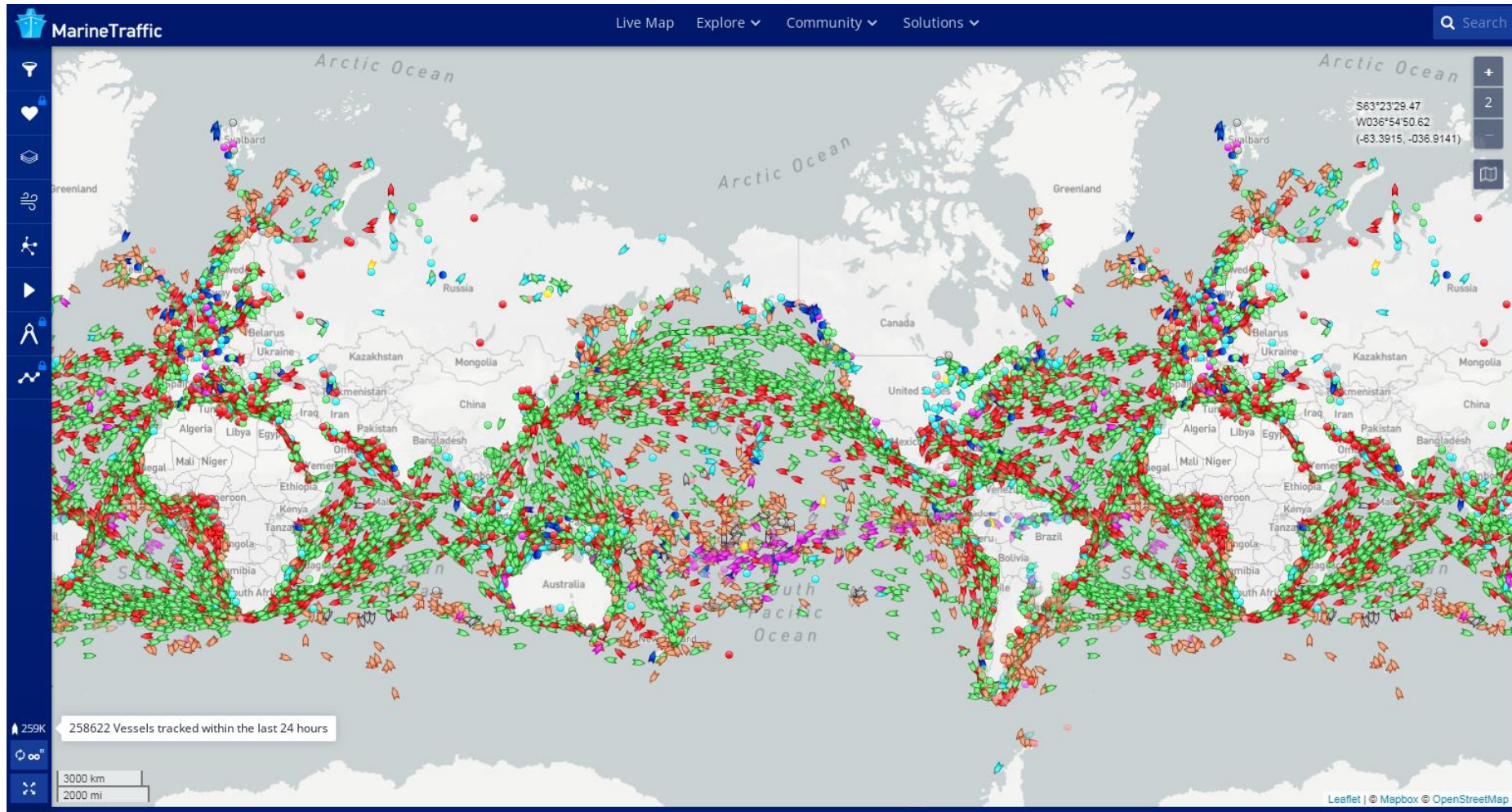
Robust Information



# A Continuous Real Time Detection, Evaluation and Tracking of Sea & River environmental Contamination



# 258.622 Vessels using Meton Innovatence Equipment



## Advantages

- No additional Cost,
- Big Number of “sensors”,
- Worldwide Coverage,
- 24/7 Detection,
- Real time Global Data,
- Recorded Data,
- Tracking pollution.

258.622 ships 24/7 as Real Time  
Environmental Contamination Sensor

# The business / pricing model

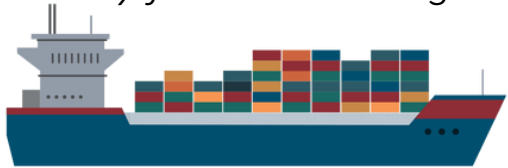
## Seamorphosis

Free of charge with Obligation to  
send data to Meton Innovatence  
database (Win-Win)

*Users*

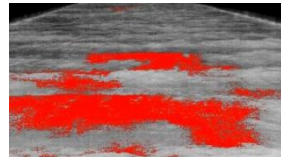
Increase Safety

*Ready for Smart Navigation*

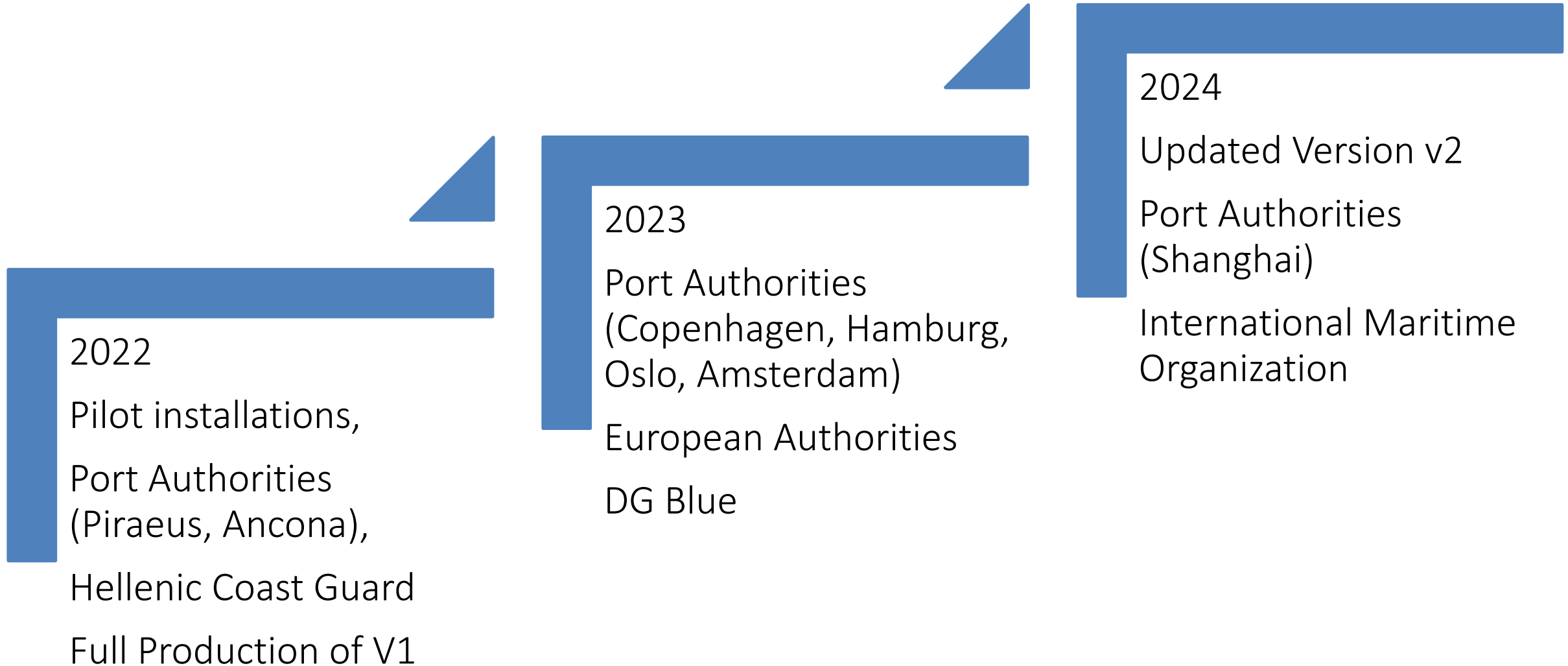


**METON**  
INNOVATENCE

SAFE. AFFORDABLE. SMART.



# Action Plan up to 2024





# Thank you

We keep  
our Seas  
Blue!