

SusTunTech



Horizon 2020
European Union Funding
for Research & Innovation

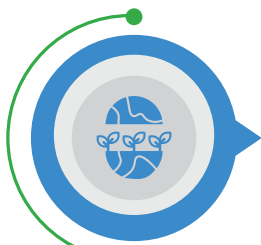
Sustainable Tuna Fisheries Through Advanced Earth Observation Technologies



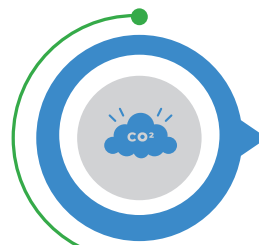
www.sustuntech.eu

SUSTUNTECH PROJECT

Various companies and research institutes take part in this project in which state of the art research combines with industrial knowledge and technological expertise to develop innovative monitoring and decision making systems to improve tuna fisheries sustainability. Copernicus data and machine learning will be combined to achieve the following objectives:



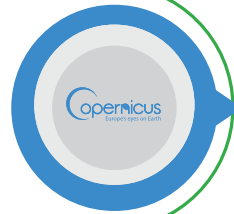
Improvement of economic and environmental sustainability of the tuna industry.



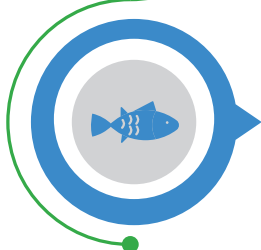
Reduction of GHG emissions by 20-25 % thanks to improved, modelling and planning.



Collection of new Oceanographic and fuel consumption data on board.



Quality data preparation for improvement of Copernicus services.



Forecast of operational tuna species distribution under management and sustainability rules.



Optimized fishing. Reduced time at sea and costs

Consortium

SUSTUNTECH consortium brings together several companies from the industrial and fisheries sector (MARINE INSTRUMENTS, SINTEF, ZEPHYR, MARIDIS, ECHEBASTAR), research centers and universities (AZTI, NEWCASTLE UNIVERSITY AND UNIVERSIDAD PAÍS VACO). It is a

well-balanced group with complementary skills and expertise.

The project is coordinated by MARINE INSTRUMENTS that meets leading view of the main challenges associated to the tuna fishing sector.

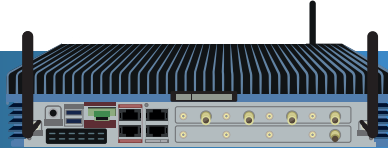


Results

SUSTUNTECH will facilitate the commercial exploitation of the following products mainly for fishing and research vessels.

Ratatosk

Ratatosk simplifies data communication and aggregation in systems with heterogeneous sensors, by making sensor data and derived data available through a shared data space.

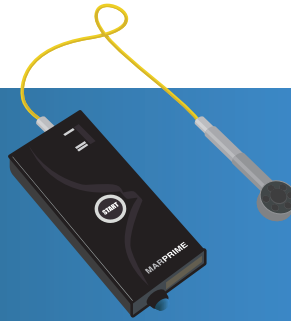


Potential users:

- Fishing vessels
- Research vessels
- Industries with multisensor data

MarPrimeUltra

MarPrimeUltra helps to identify and solve deviations in fuel consumption with the consequent economic saving and emissions reduction. In addition, the deviation can highlight a need for maintenance and avoid engine failures that can have high economic and work impact.



Potential users:

- All vessels
- Industries with diesel and gas engines

SmartMarineView

SmartMarineView allows individual vessels to improve their operations with less fuel consumption. Furthermore, the product will also allow the exchange of information across full fleets with strategies for coordination that will reduce further the fuel consumption and give advantage over other non-coordinated fleets.



Potential users:

- Tuna fishing vessels
- Other fishing fleets
- Marine shipping industries

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