

Environmental Impact Digital Surveys thanks to AI



WE HAVE A DREAM ! Humans live in Harmony with Wildlife

Do like us ! Use your skills to protect them !

Answer of François Sarano (the diver on this photo) to Gwénaël Duclos (founder of Wipsea) « what can we do to protect ocean wildlife? » question in January 2010



WIPSEA's value proposition

WIPSEA uses high resolution images and Deep Learning artificial intelligence to map megafauna and human activities.

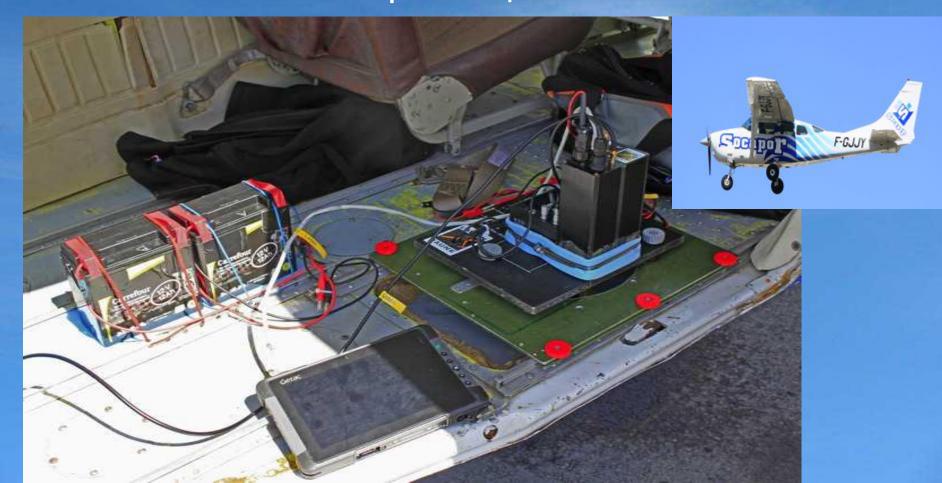


THE PROBLEM



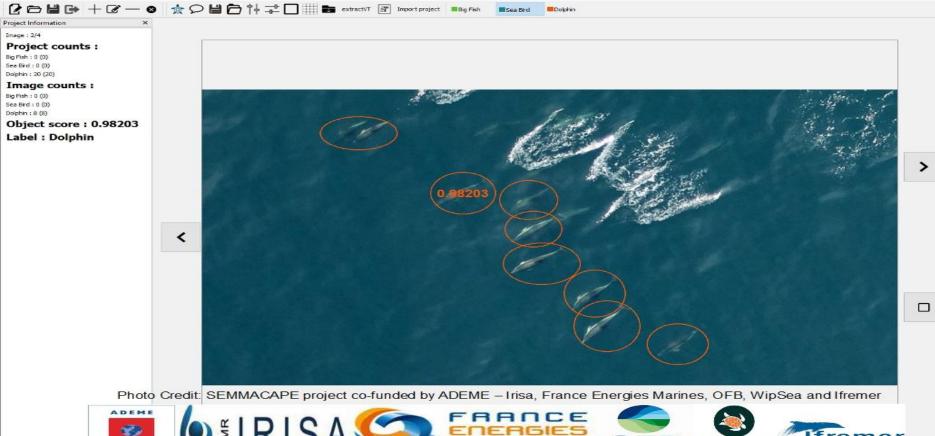
More and more organisations need to census megafauna : Marine Protected Areas (MPA), Offshore Wind Farms (OWF), Natural Parks But : heavy to deploy, very expensive, not verifiable

THE SOLUTION 1) High resolution aerial imagery - Shot with WIPSEA and/or partners cameras - Verifiable with « picture proof »



Megafauna automatic detection and classification software solution (AI – Deep Learning) to manage Big Data

В Harmony (Harmony_204alpha_on_semmacape_comm_photo) File Edition Iools About



3) Maps and abundance estimations for our customers

Block1 distribution map* *Fake results due to confidentiality

Couches

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WIPSEA

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 Dugongs_NC_2018_Block1_fake_results heat map

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 Dugongs NC 2018 Block 1 Certain and not Certain Heat Map

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 5 - 10

 10 - 15

 15 - 20

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 Dugongs_NC_2018_Block1_Buffer

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 DTSI_CLASSIFICATION_RECIFS_NC_SCR_EPSG_32758

2018 Dugongs census use case

Customer : Conservatory of Natural Areas of New Caledonia

Lagoon area : 20 000km2*

Sampled area : 2 000km2

20 000 photos (80Mpixels each)

Partners : L'Avion Jaune (images acquisition) Vertical Passion (local pilot and plane)



Budget : 70k€ HT (22k€ for L'Avion Jaune, 21k€ for Vertical Passion)

1 month on site, 4 months of data analysis, 1 month of report redaction

Lesson learnt : we need a partner for the maps and data restitution and a project to compare human observations and digital based surveys > SEMMACAPE R&D project

BUSINESS MODEL and PARTNERS

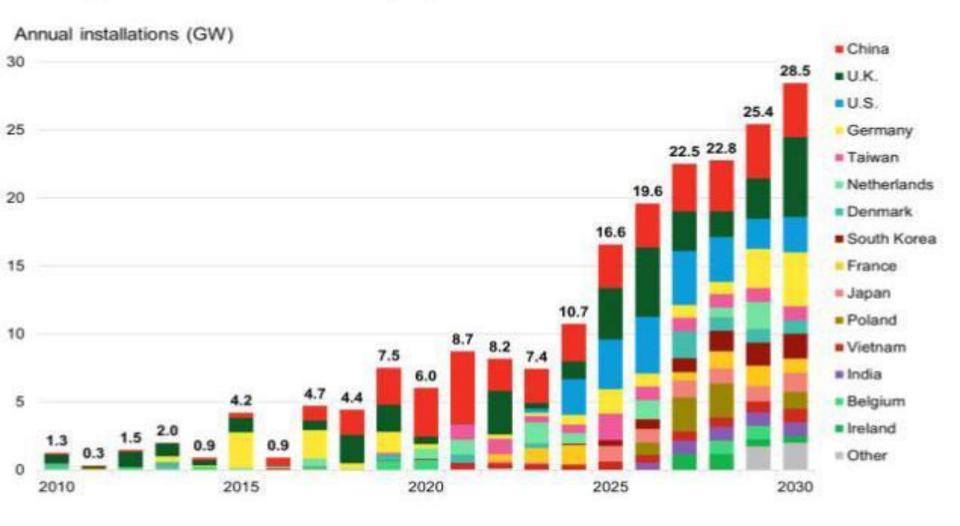


- L'Avion Jaune : High resolution cameras operator
 WIPSEA business model: marine megafauna detection and classification on aerial imagery thanks to a proprietary neural network based on +100 000 offshore photos (from SEMMACAPE)
- Cohabys : Expertise in marine biology and environmental impact studies of offshore activities on marine megafauna

> PIXSEA : aerial intelligence for marine environment

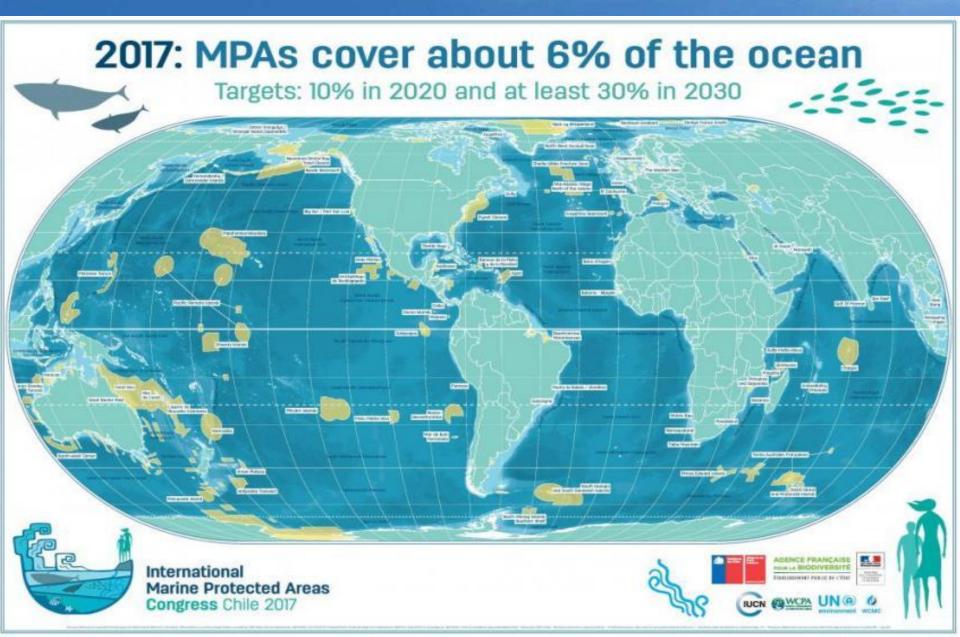
WORLD OFFSHORE WIND MARKET TRENDS

Annual offshore wind installations



Source: BloombergNEF. Note: 'Other' - Spain, Portugal, Italy, Finland, Sweden, Norway, Lithuania, Greece.

Marine Protected Areas growth



OWF Marine Megafauna Aerial Surveys Market and customers

2027-



COMPETITORS

PIXSEA

L'AVION

Innovative



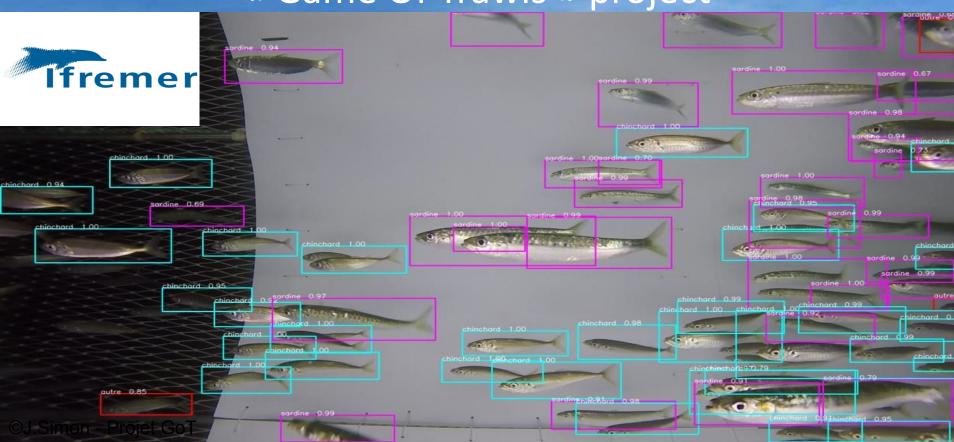
Affordable

LEADERSHIP

Romain DAMBREVILLE CRO

Gwenael DUCLOS CEO & BizDev Olivier CHAPPE CTO Pierre Allain Research Engineer WIPSEA is raising 500k€ to support its growth: **Business development in Europe and US on Offshore Wind Farms market** and all over the world on **Marine Protected Areas market**





WipSea is raising 500k€ to develop its **R&D roadmap**: Develop real time wildlife observatories with our R&D partners (CTIFL, INRAe, OFB, FEM) and possible BPI France co-fundings

R&D Roadmap



Thanks !



CEO & BizDev

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