The RAS (Recirculating Aquaculture System) Meagre Use Case in Portugal

Conducted by Landing Aquaculture & SEAentia
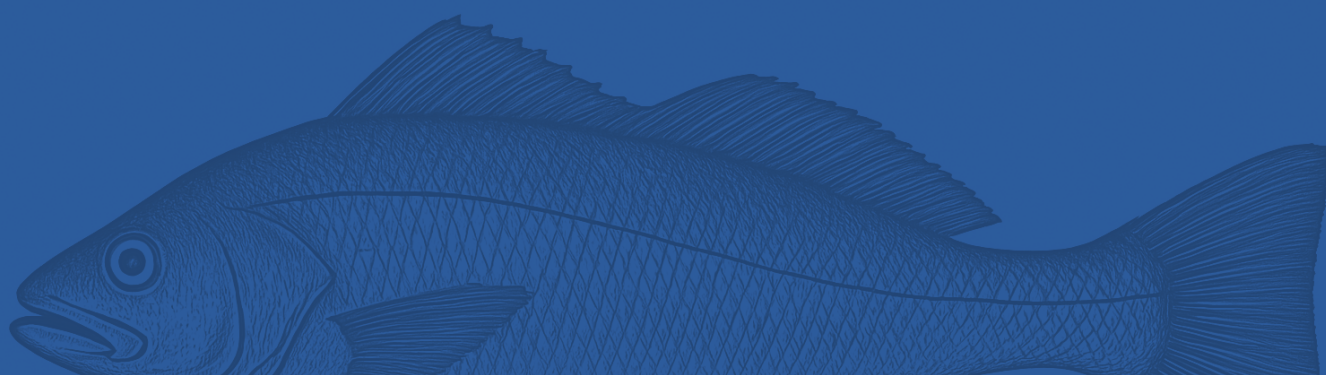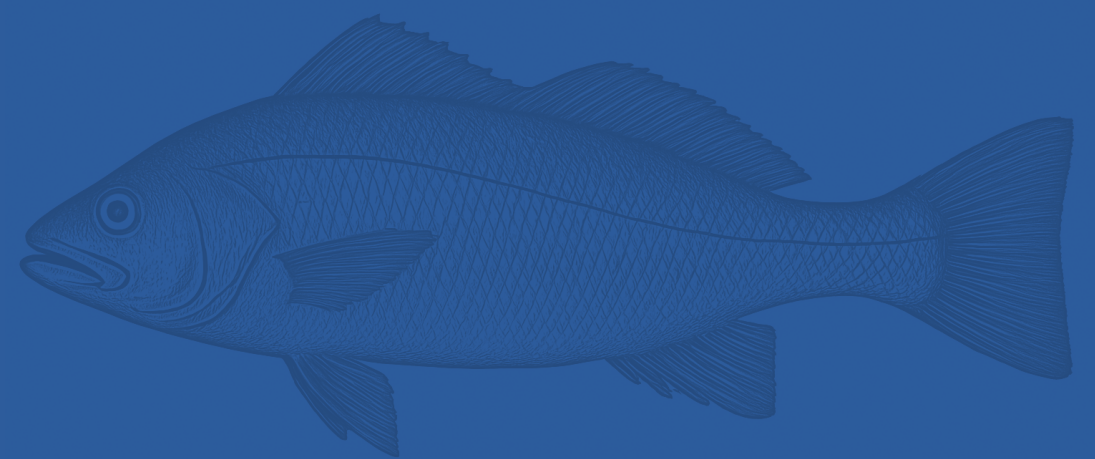
SEA2SEE

MEAGRE *Argyrosomus regius*

A white finfish species that can be found throughout the **Eastern Atlantic**, from **Norway** to **Gibraltar** and in the **Mediterranean Sea**.

It can reach high dimensions, up to **2 m** in length and **50 kg** in weight, and has a very distinctive dotted lateral line that extends all the way to the tail fin.

Meagre is very rich in protein and in PUFA's (polyunsaturated fatty acids) despite having a low fat content, making it a very healthy and nutritious food option.

Objective of the case study

To demonstrate that, through Sea2See technology, RAS farming is a relevant platform to do aquaculture transparently.
Landing Aquaculture, as RAS specialists and technology providers, supports SEAentia with the application of the developed innovations within the Sea2See project and ensures a smooth integration with the RAS.

SEAentia, as **RAS farming** and meagre specialists, is ensuring the collection of sound and transparent data that will feed the traceability platform and the consumer app.

Through this synergy, they make sure that every step in the meagre production process is logged and passed throughout the value chain until it reaches the final consumer.

Where are we at this moment?

SEAentia has been producing meagre of premium quality consistently.

Production information, such as feed intake, growth performance, biometrics and water quality data has been gathered through fish sampling and sensor data, and registered in the Smartwater Cloud.

Fish samples have also been regularly sent to ANFACO for analysis of the nutritional profile and presence of contaminants.

Next steps?

To finish the integration of the **Smartwater Cloud** with the traceability platform being developed by **Tilkal**.

SEAentia is trying to involve more stakeholders like fish distributors in the value chain and test the traceability method that's being developed within **SEA2SEE**.

"For Landing and SEAentia, this case study is important because it shows how RAS aquaculture makes traceability and transparency available to consumers at a level that's very hard, if not impossible, in other forms of aquaculture production. If the European consumer wants to understand how their fish is produced, to the minute details, then this case study shows the possibilities, and RAS aquaculture can deliver on such promise."

**Carlos Alberto Espinal,
Landing Aquaculture**

Nuno Leite, SEAentia

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