Knowledge-Based Innovative Solutions to Enhance Adding-Value Mechanisms towards Healthy and Sustainable EU Fisheries
ACTION B4: Definition of a real fully operative on-board and in-land pilot facility for discards valorization and management

Leader: IIM-CSIC  Participants: OPROMAR, CETMAR, USC, JOSMAR
OBJECTIVE: To valorize the unwanted capture

- The new catches to be landed (previously discards) will be transported to the iDVP - Integral Discards Processing and Valorization Point
- Process design to generate added value in the Valorization plants: iDVP1 & iDVP3
- Production of human consumption products (iDVP1: Food elaboration area) and non human consumption products (iDVP3: Non food products area)
Production of human consumption products from:

1- Regulated species without interest to sell in the auction:
Excess of supply, size with limited commercial interest, on board preservation problems, etc.

2- Not regulated species without interest to sell in the auction
### iDVP1: Human consumption

**Partes del individuo**
- Cartílago
- Piel
- Vísceras
- Caparazón

**Productos primarios**
- Condroitín sulfato (CS)
- Soups, Pastes, etc
- Bioactive extracts
- Restructured products
  - Colágeno
  - Gelatina
  - Peptonas
  - Quitina/quitosano (Q/QS)

### CRITICAL POINTS:
- Quantities
- Continuity
- Mix of species
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**iDVP1: Human consumption**

**Species**
TAC/Quota: Blue withing, Mackerel and Horse mackerel
No TAC/Quota: Pouting, Gurnard, Rosefish, Argentine, Grenadier, etc.

**Products**
Primary product: Frozen minced fish block
Secondary products: Nuggets, Burguers, Fingers, Fish balls, etc.

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**iDVP3**
Production of non human consumption products from:

1- Under MLS

2- iDVP1 by-products
POTENTIAL USES AGREED BY THE EU MEMBER STATES:
- Uses for **indirect human consumption** (additives, extracts, oils, etc.)
- Uses for **non direct human consumption** (cosmetics, fertilizers, pet food, etc.)
✓ Pilot plant installed in the Port of Marin (iDVP)
✓ The plant will be operational as soon as the PERMISSIONS requested to land and manage the discards are available (application → MAGRAMA)
- Assays of separation and drying of FPH_fish muscle.

- Samples of gelatine and chondroitin sulfate from fish cartilage and gelatine from fish skin.
Thanks for your attention