



Knowledge-Based Innovative Solutions to Enhance Adding-Value Mechanisms towards Healthy and Sustainable EU Fisheries

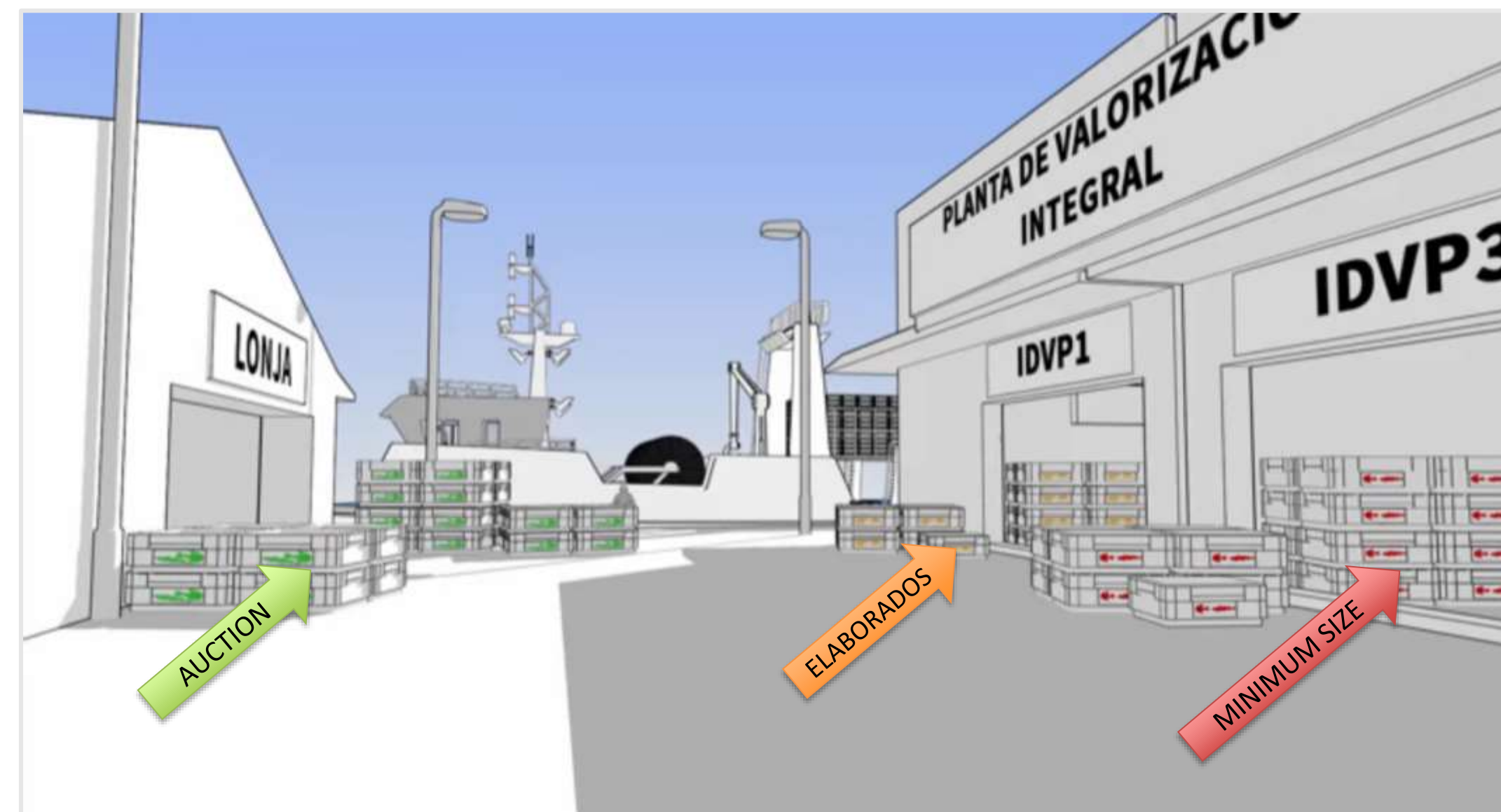
ACTION B4: Definition of a real fully operative on-board and in-land pilot facility for discards valorization and management

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)

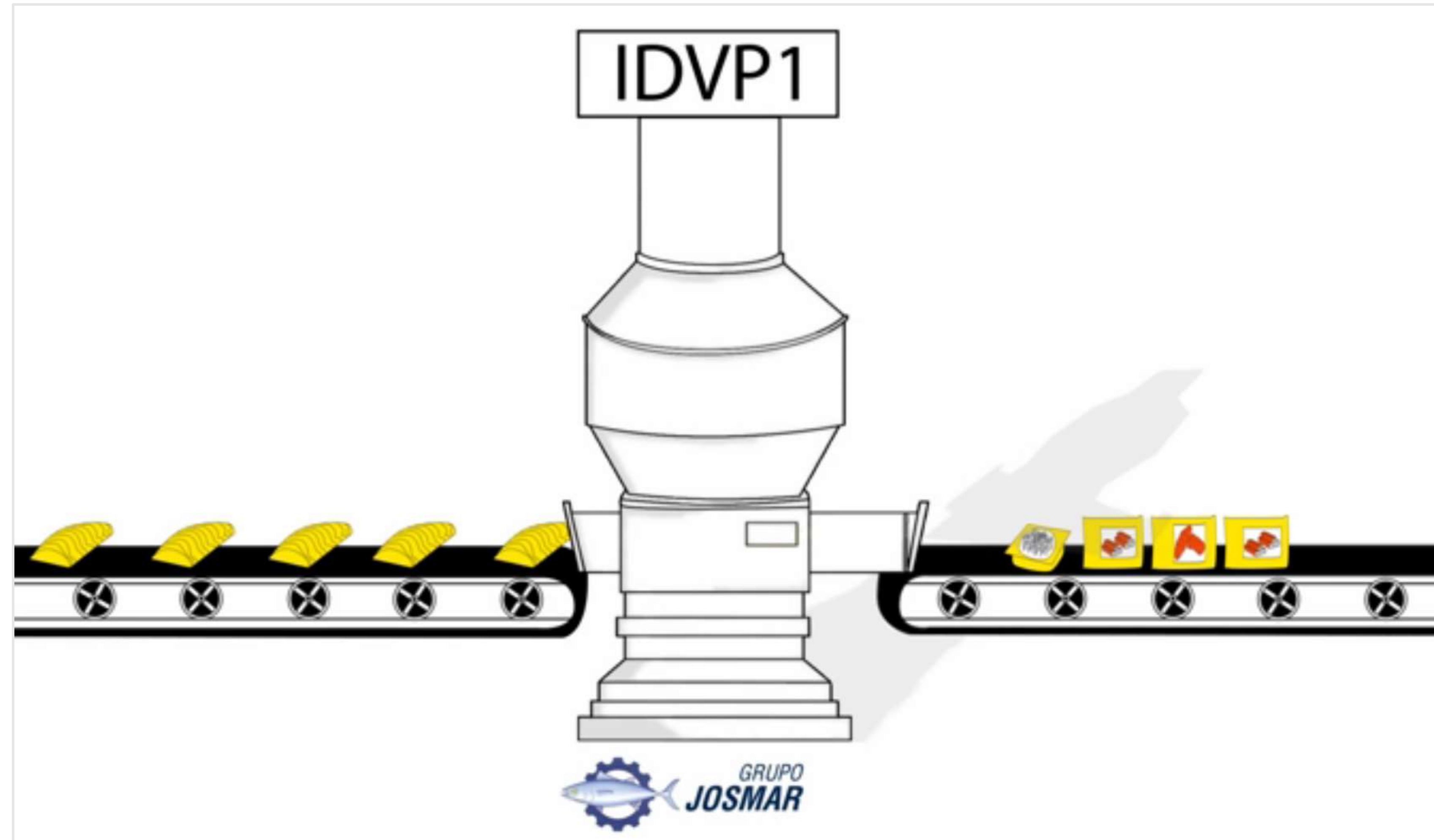


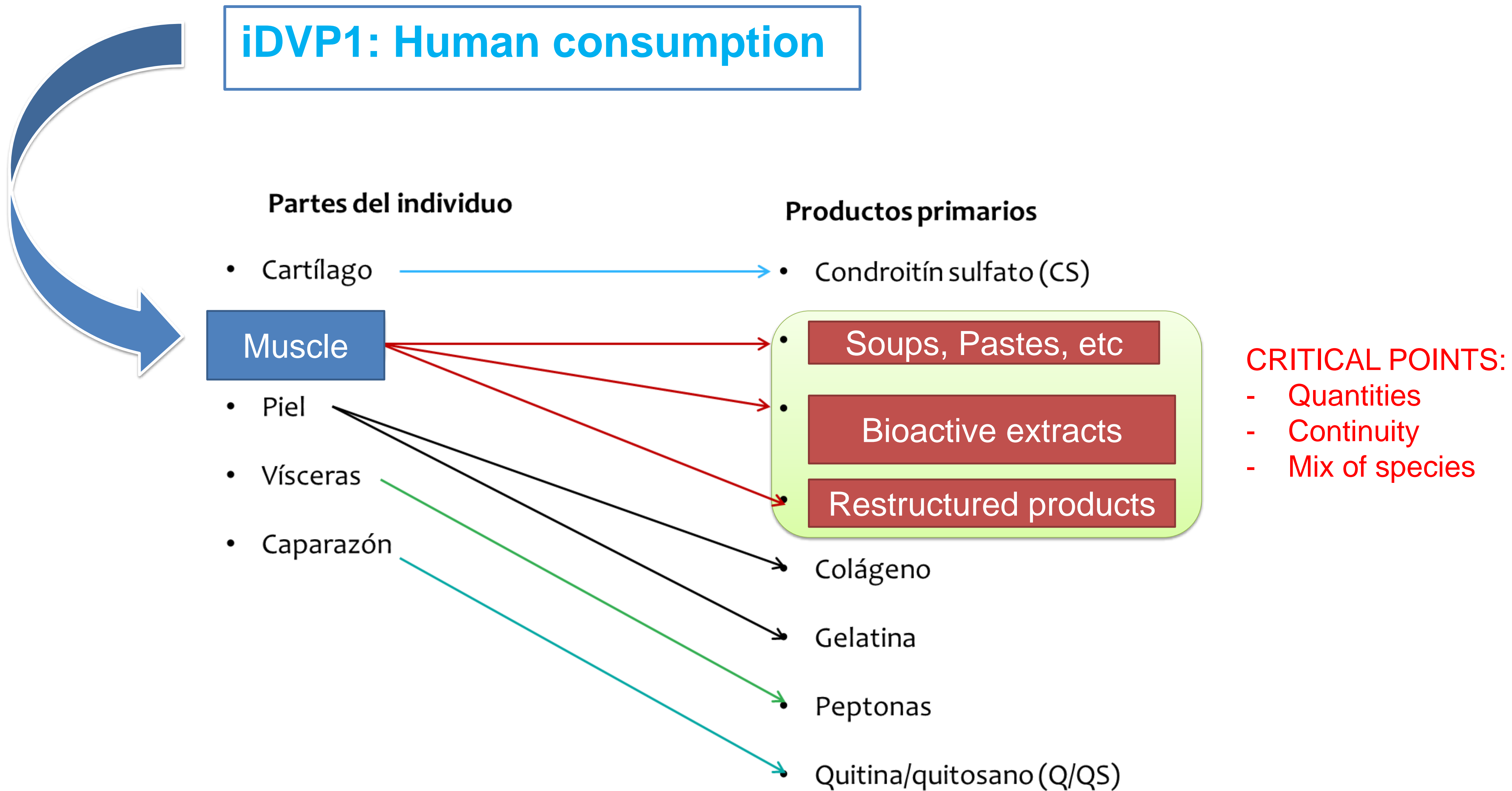
Production of human consumption products from:

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

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.

- CRITICAL POINTS:
- Quantities
 - Continuity
 - Mix of species

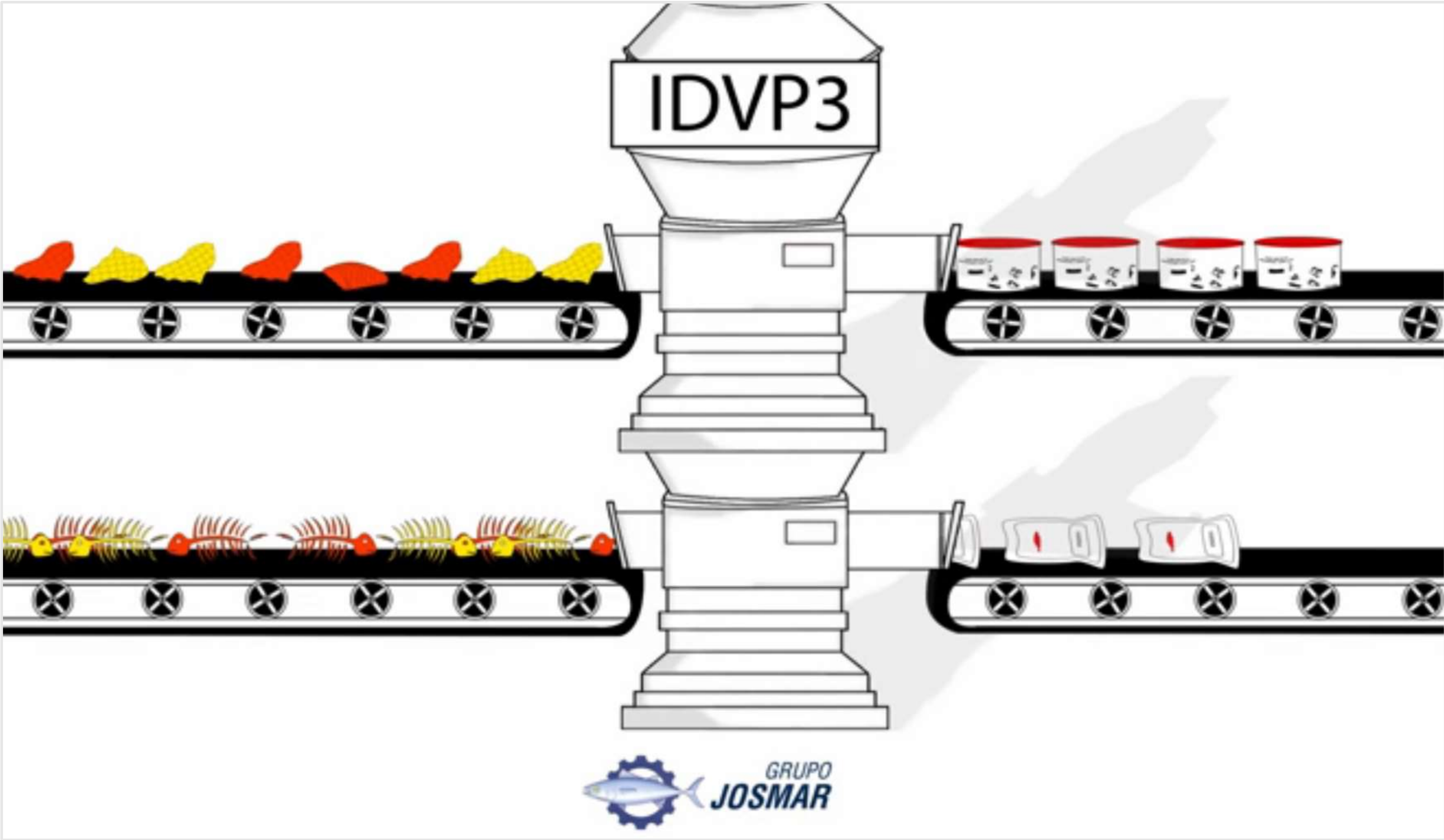


→ iDVP3

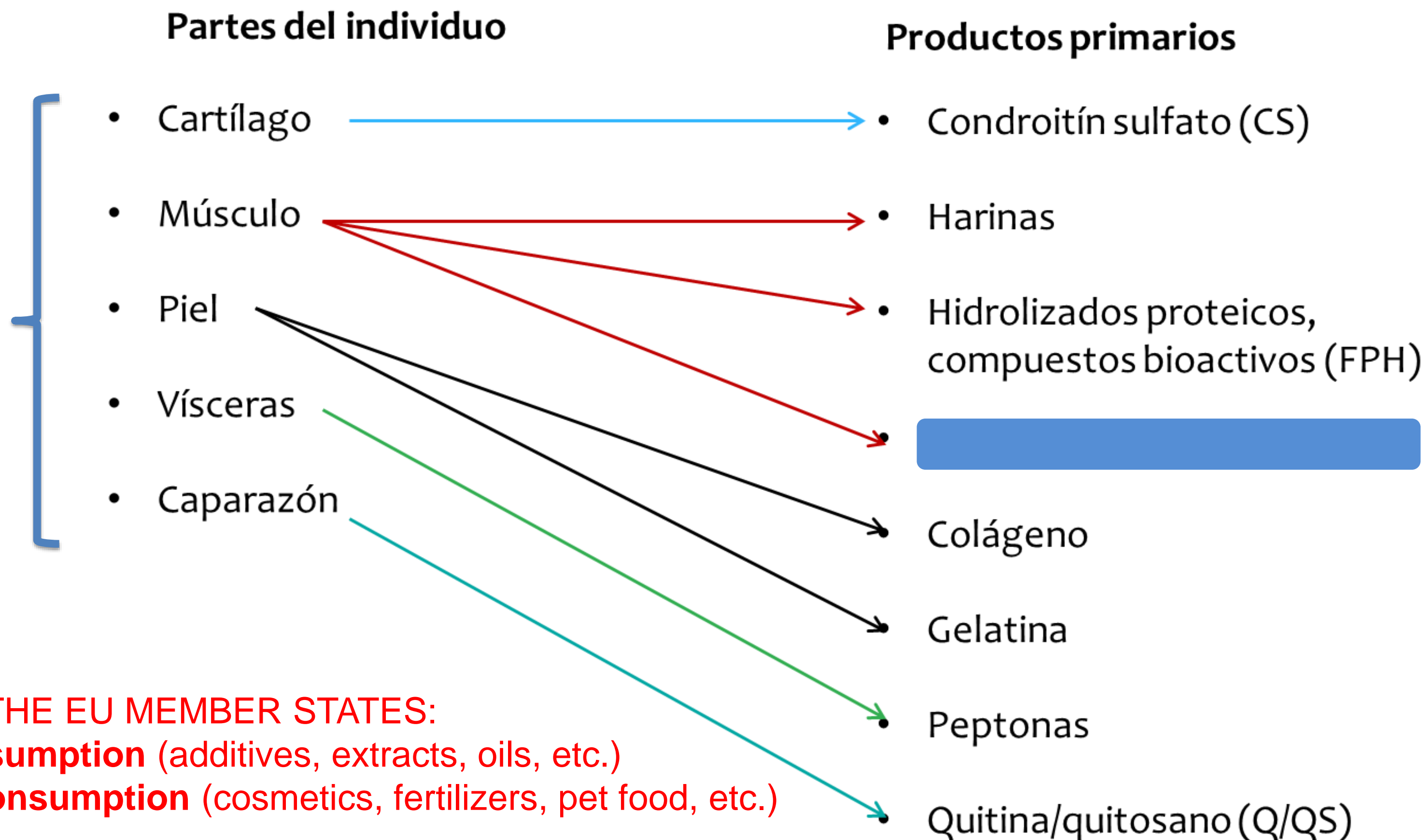


Production of non human consumption products from:

- 1- Under MLS
- 2- iDVP1 by-products

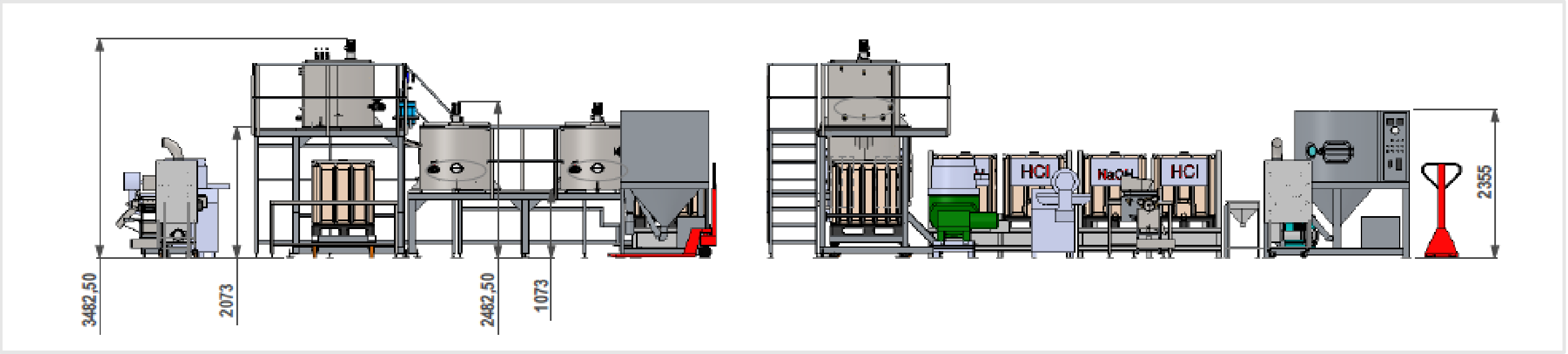
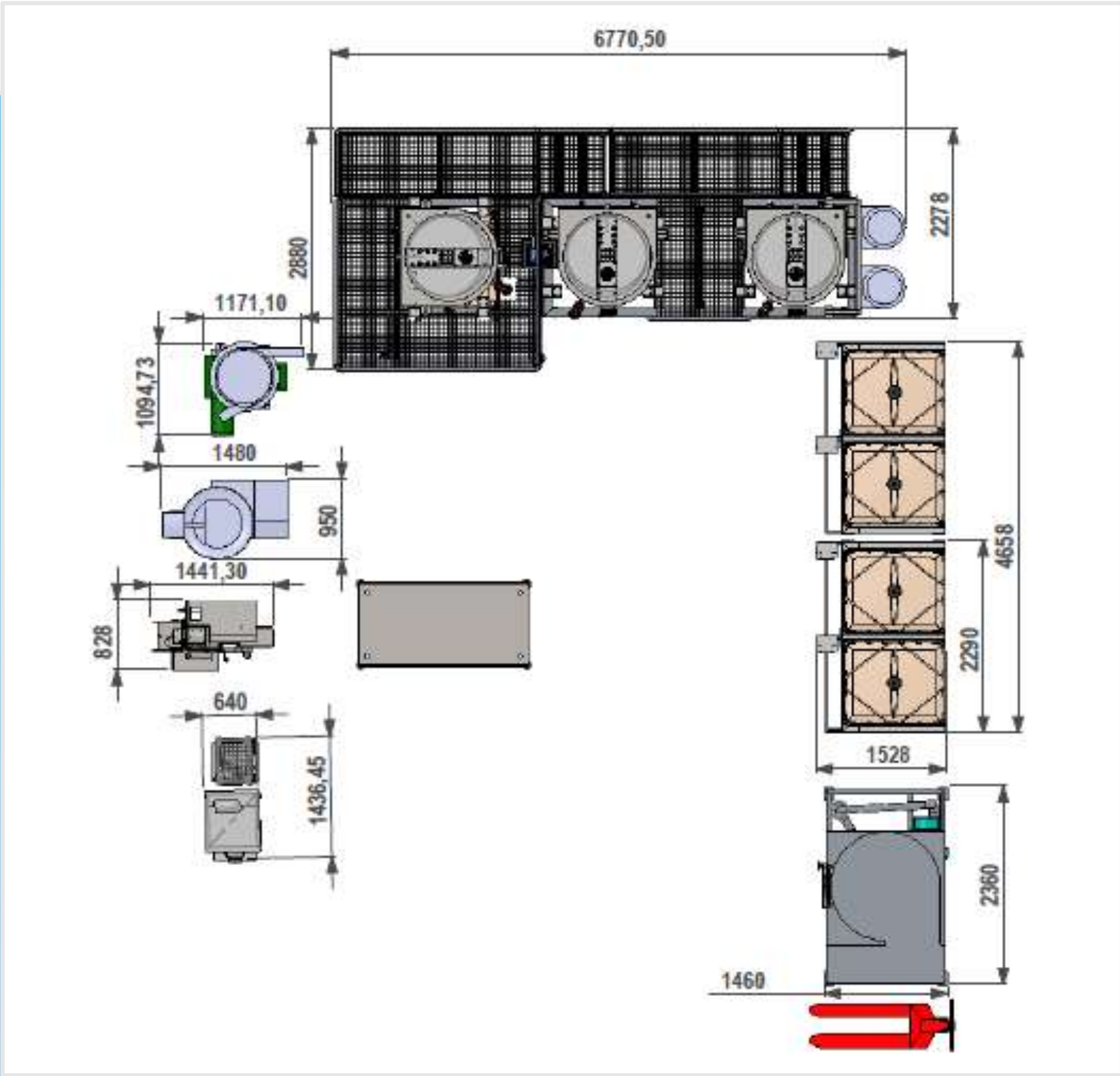
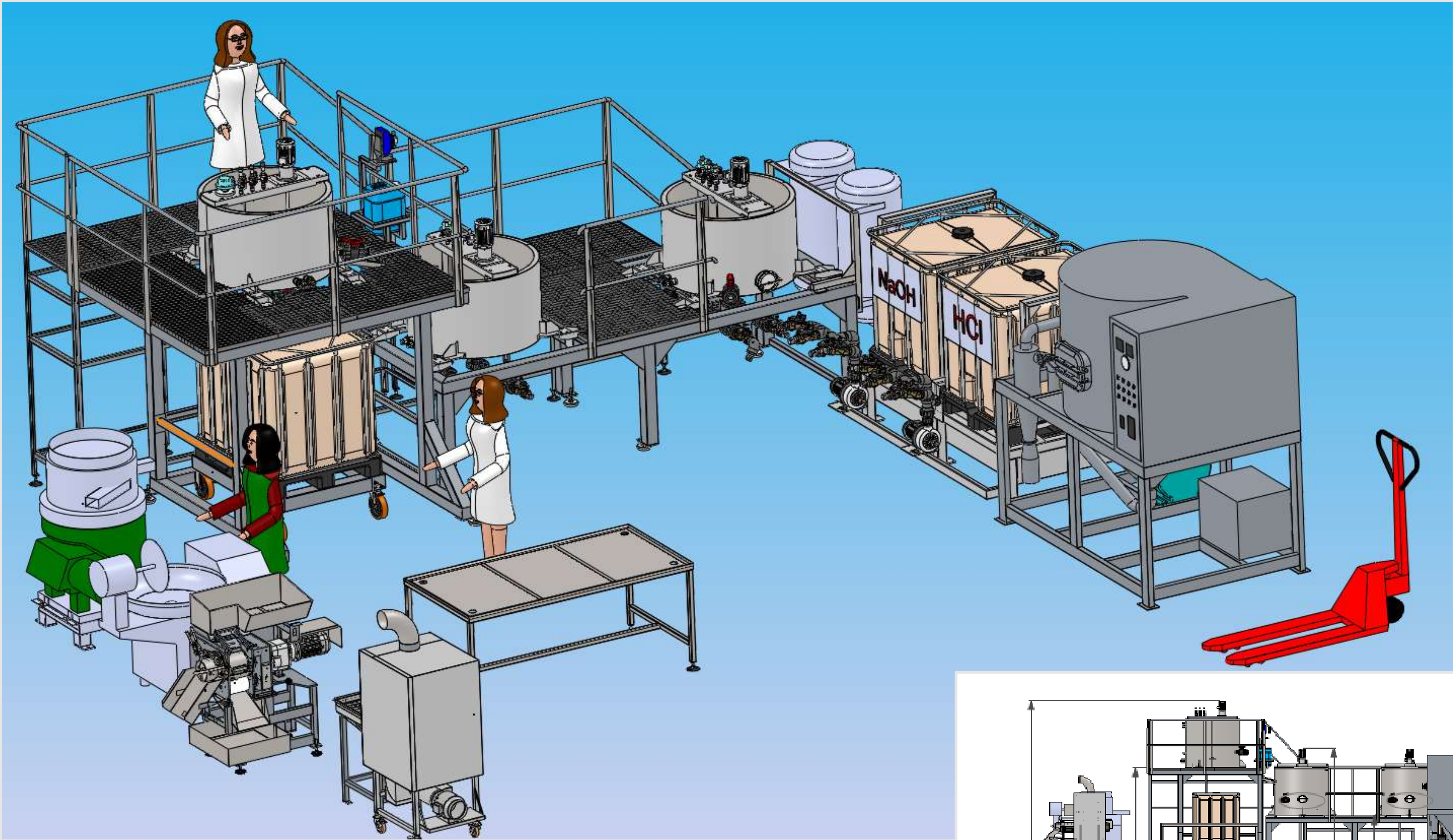


iDVP3: Non human consumption



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

