



THE CANNING SECTOR IN GALICIA - NORTHERN PORTUGAL EUROREGION



SPAIN: the main EU producer and exporter

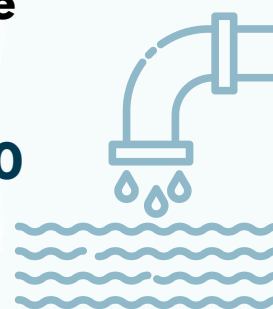
> **352.000 tonnes**

PORTUGAL: 4th EU producer and exporter

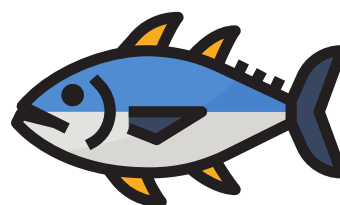
> **62.000 tonnes**

Canning production generates by-products in a range between 300 and 4.200 tonnes per year.

The effluents depuration costs range between 50.000 and 200.000€ per year.



Tuna cans are the most produced in Galicia-Northern Portugal Euroregion



SPAIN

68,60% tuna

8,94% other cans

6,67% sardines

4,09% mussels

PORTUGAL

tuna 47%

sardines 19%

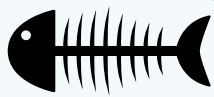
mackerel 19%

other cans 15%

What type of effluents is canning sector production in Galicia and Northern Portugal ?

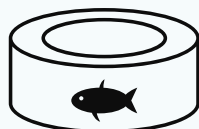
WASTEWATER

- high salt content
- flows'variability and organic load



BY-PRODUCTS

- it represents between **30% and 70%** of the main raw material used
- the majority categorized as "animal by-products not intended for human consumption"
- often intended for the manufacture of fishmeal and fish oil



TUNA CANS - EXAMPLE

- 30%** defrosting, cutting and washing
- 30%** equipment and facilities cleaning
- 25%** can sterilization
- 15%** steam cookers'emptying

