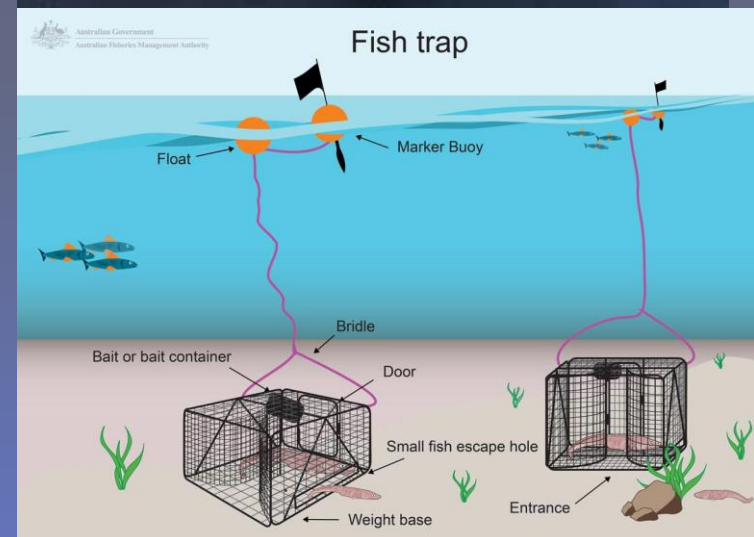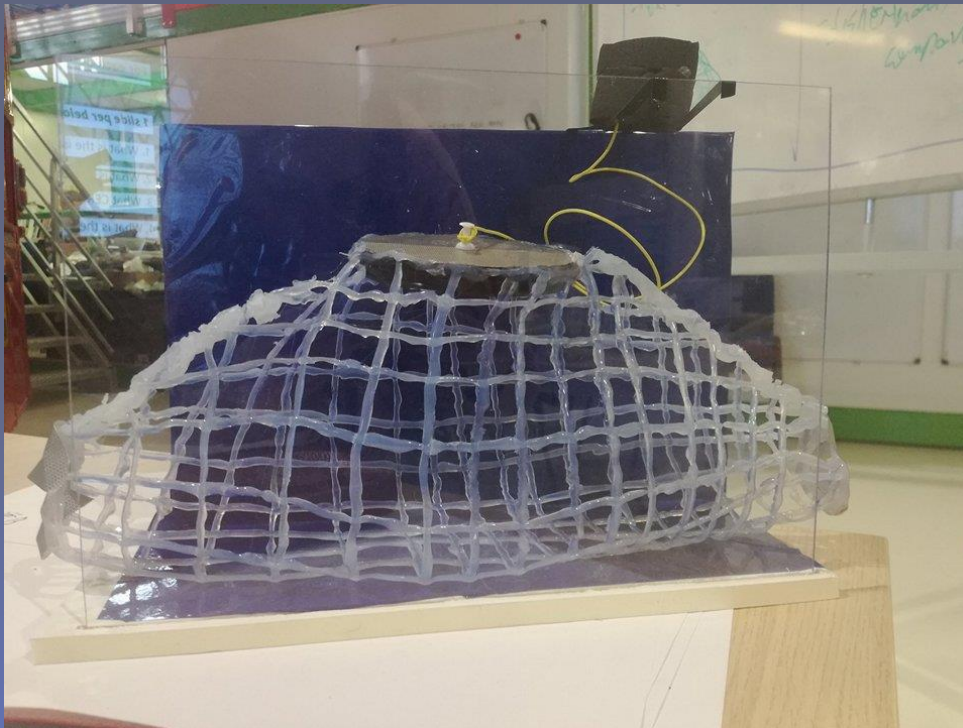# PORTUGAL
Third largest fish consumer in the world
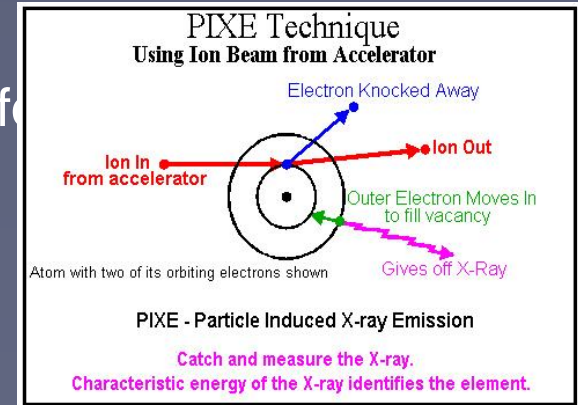News Journal (Portugal, 9-11-2016)

TECHNET

- System that can identifies unhealthy fish and send the information to Virtual Reality Glasses.
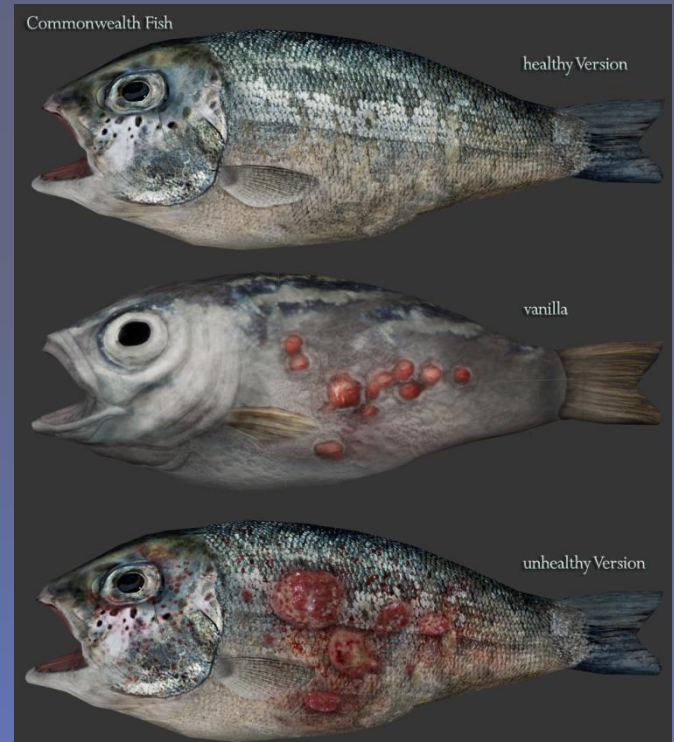- As soon as the net comes to the surface, it becomes easier to separate the unhealty fishes.

Fish trap

Marker Buoy

Float

Bridle

Bait or bait container

Door

Small fish escape hole

Entrance

Weight base

CERN TECHNOLOGIES USED

- Pixe – Proton Induced X-Ray Emission
- VR Glasses and software for connection inf

SOCIETAL VALUE

- Healthy products for fish consumers
- Decrease overfishing
- Reduce the consumption of contaminated Fish
- Sustainable cycle of fish's life

Commonwealth Fish

healthy Version

vanilla

unhealthy Version

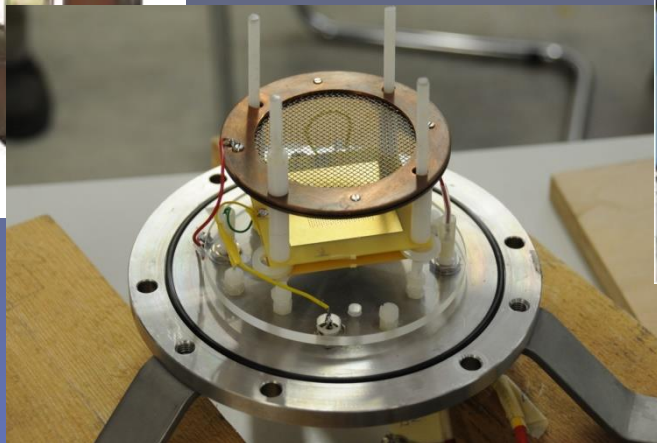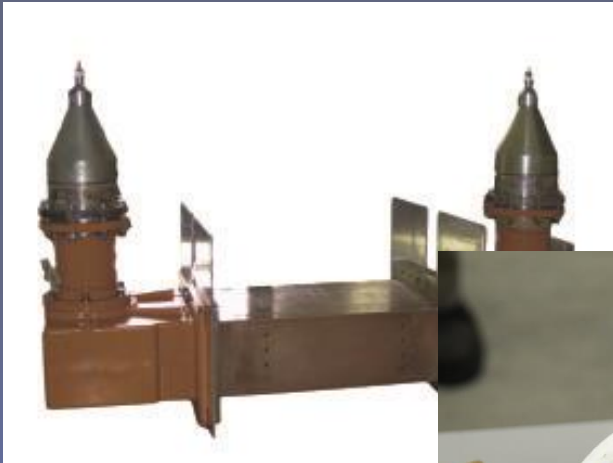# PORTUGAL WILDFIRES ALL OVER THE COUNTRY

DETECTREE
ARTIFICAL TREE FOR SMOKE/FIRE DETECTION AND FIRE EXTINCTION

WHEN THE FLAME DETECTOR IS ACTIVATED, IT LAUNCHES CO2 PACKAGES

CERN TECHNOLOGIES USED

- High Power High Frequency Loads
- Flame Detector
- Evacuable Flat Panel Solar Collector

SOCIETAL VALUE

- Faster

- Safer