

#### Opportunities and next steps

Iain Shepherd

European Commission
Directorate General for Maritime Affairs and
Fisheries

Fisheries and Aquaculture in the Danube and the Black Sea region:

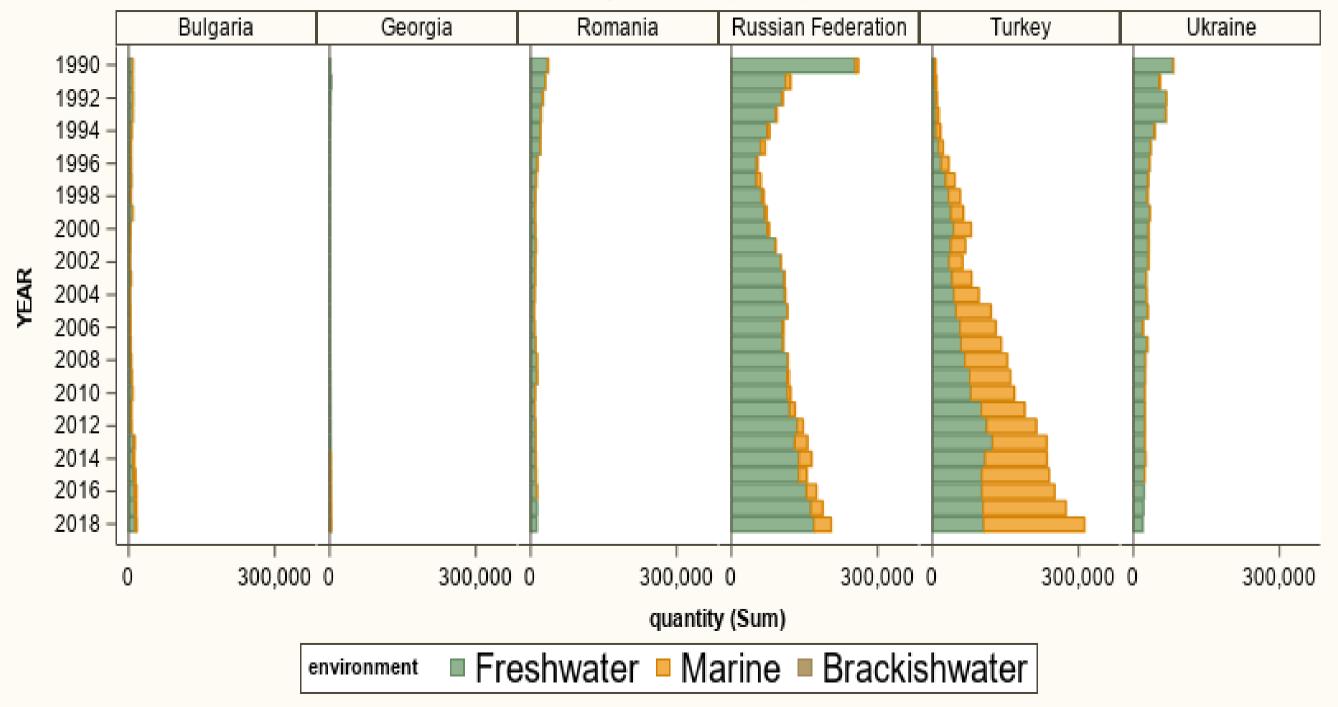
views for building forward better

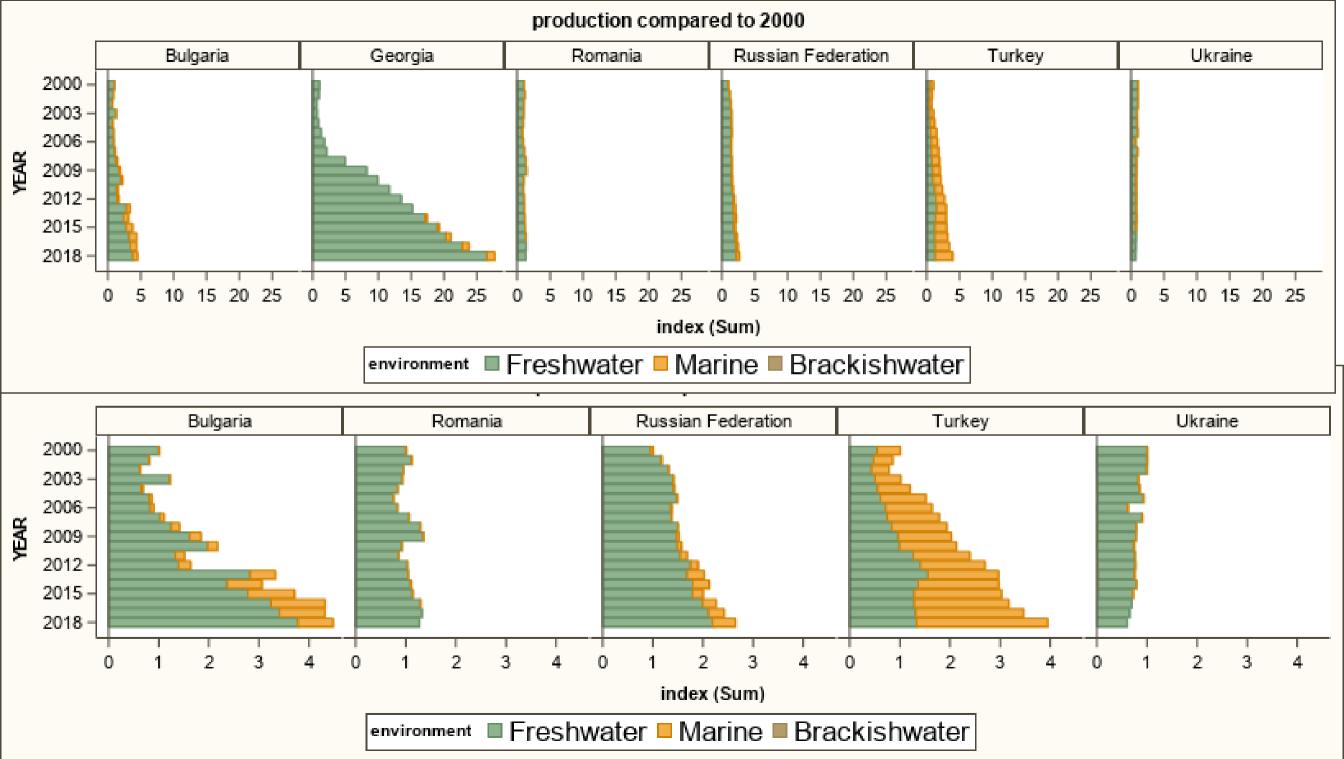
22 April 2021



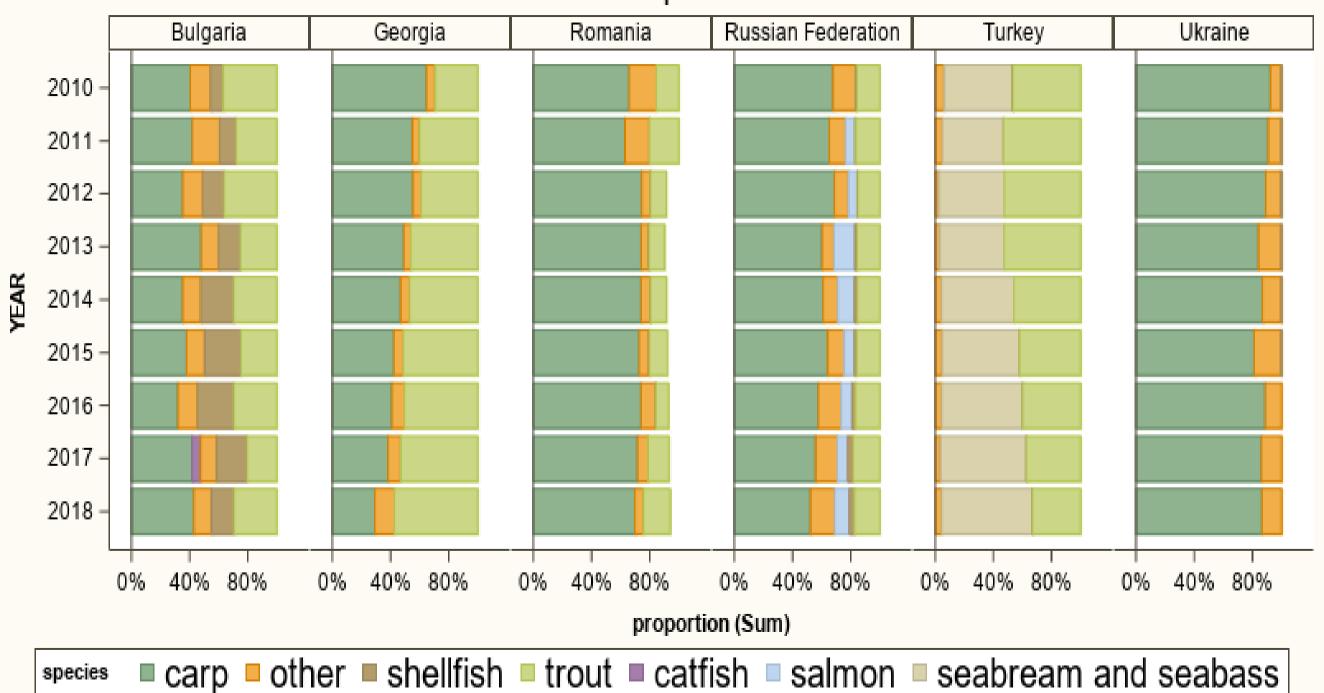


#### annual production (tonnes)





main species







**DECARBONISATION** 

**FARM TO FORK** 

**BIODIVERSITY** 

**ZERO POLLUTION** 

**CIRCULAR ECONOMY** 

55% reduction by 2030

zero carbon by 2050

Food security

Neutral or positive environmental impact

Widening protected areas

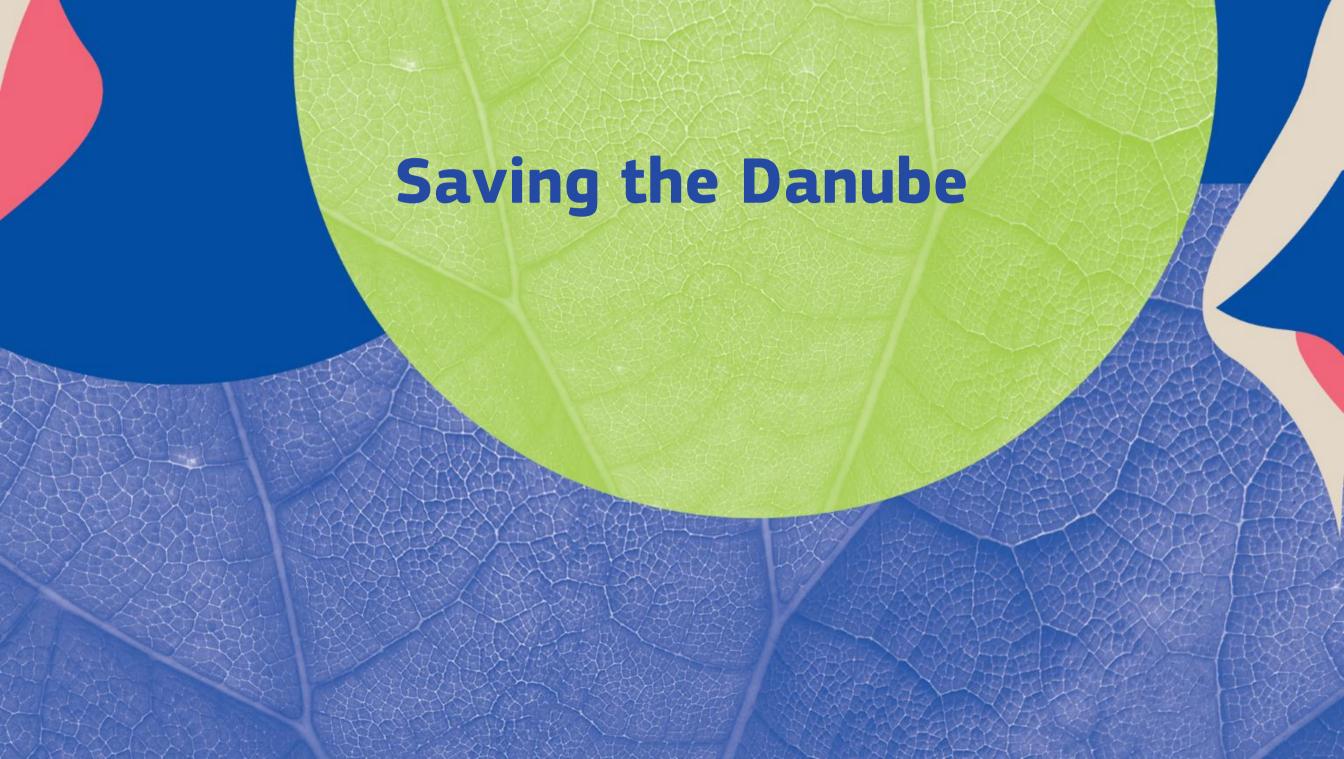
better monitor, report, prevent and remedy pollution from air, water, soil, and consumer products

sustainable products
empowering
consumer
Circular production



# Algae and Shellfish

- circular economy
  - no feed requirements
  - recycle excess nutrients
- biodiversity
  - relieve pressure on freshwater and land
- decarbonisation
  - low greenhouse gas emissions per kg protein
- In preparation
  - marketing standards
  - algae strategy





### Dams and weirs

# **Problems**

blocking

migratory fish spawning

resident fish life cycle

ponding

colonisation by planktiverous fish

irregular channel flow

disrupts seasonal spawners

## Solutions

removal or partial breaching

preferred solution

fishways

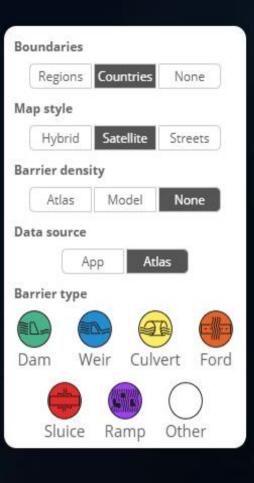
allow upstream and downstream passage

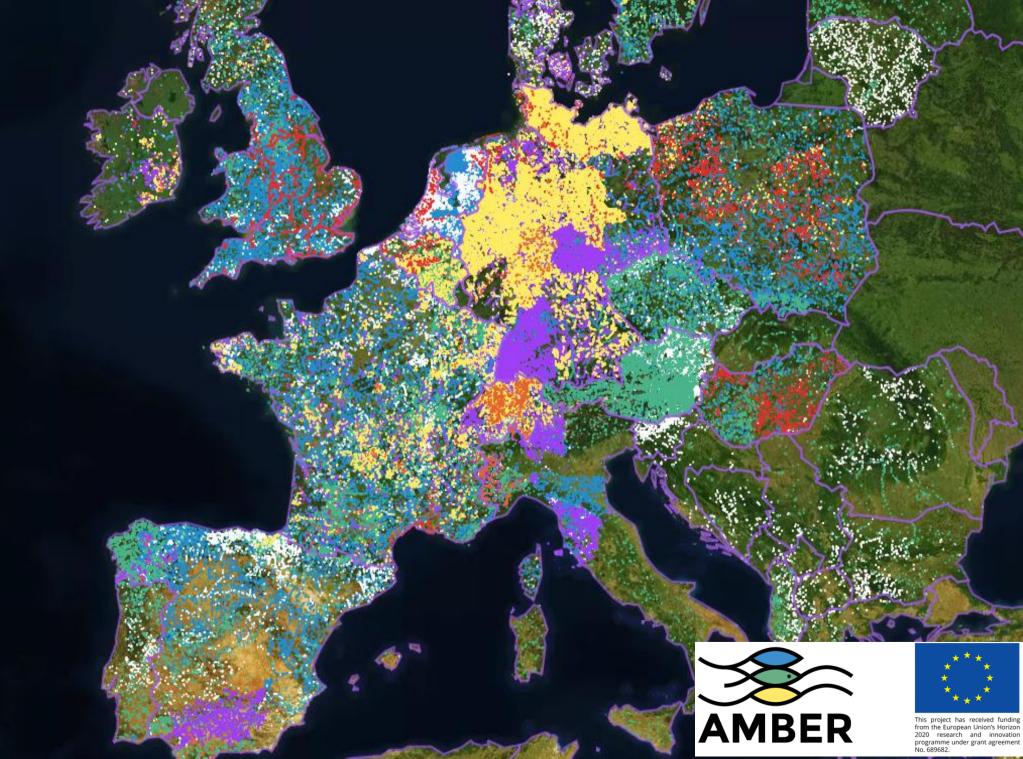
flush flows

reduction in magnitude and frequency











RESEARCH

**KNOWLEDGE** 

**INVESTMENT** 

€95.5 billion 2021-2027

Partnership
Clusters
Innovation
Mission Ocean

Copernicus
EMODnet
Twin Ocean
Destination Earth
Ocean Observation

€672.5 billion Recovery and Resilience €26 billion InvestEU BlueInvest