



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

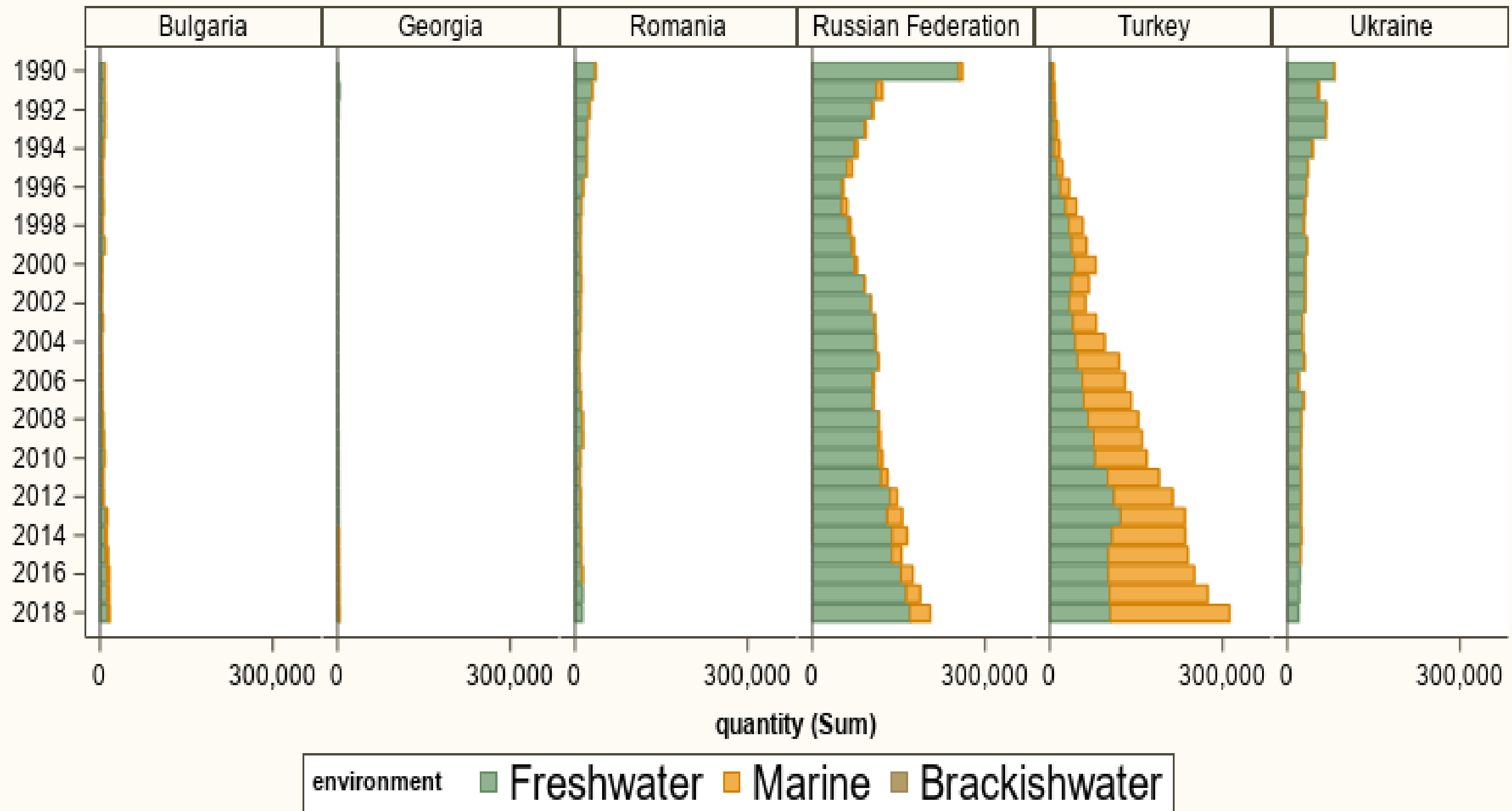




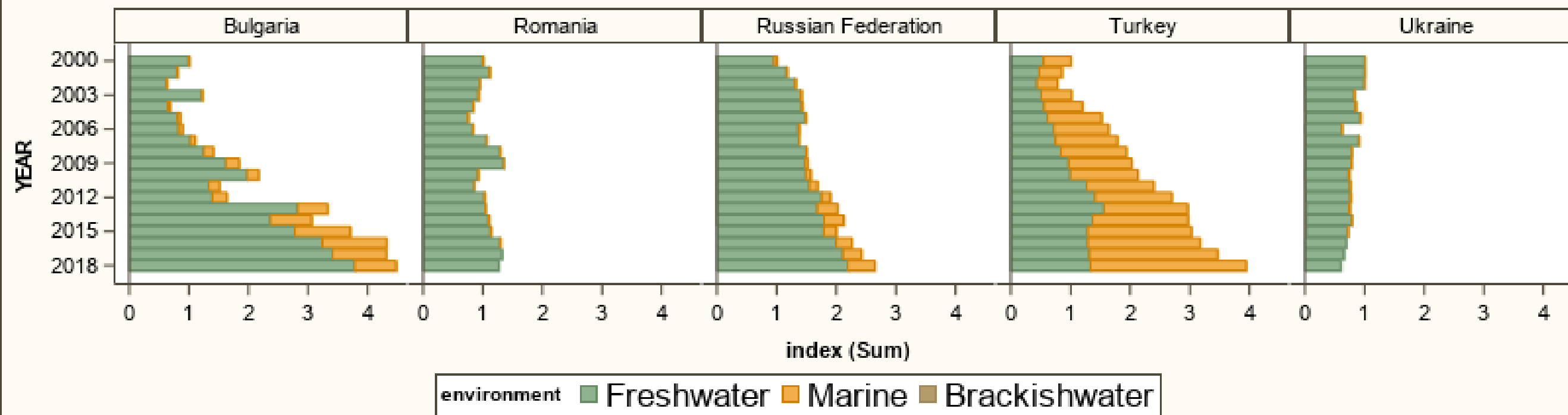
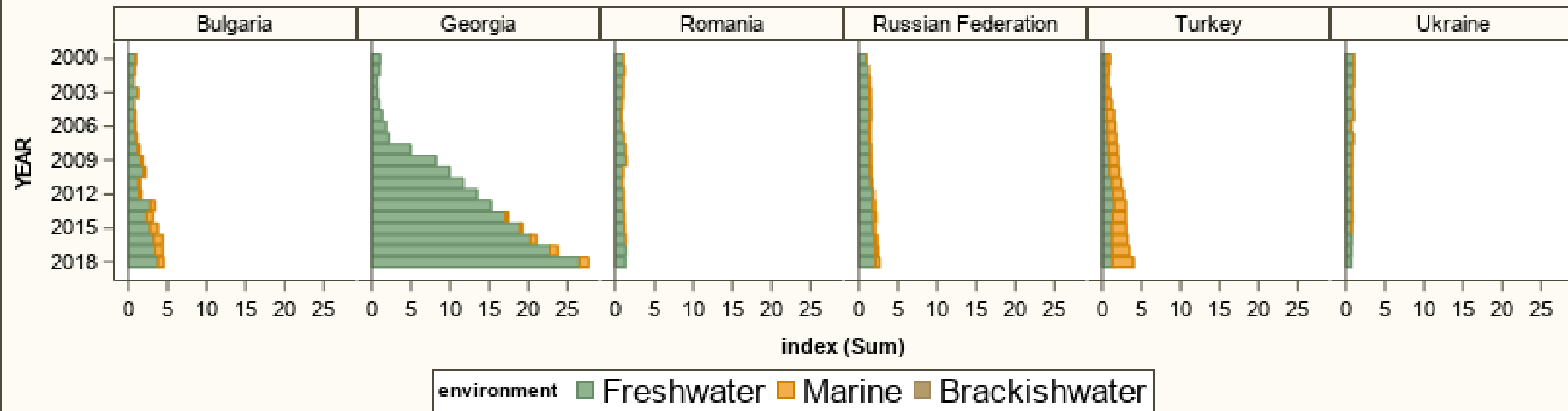
Aquaculture

Where is it now?

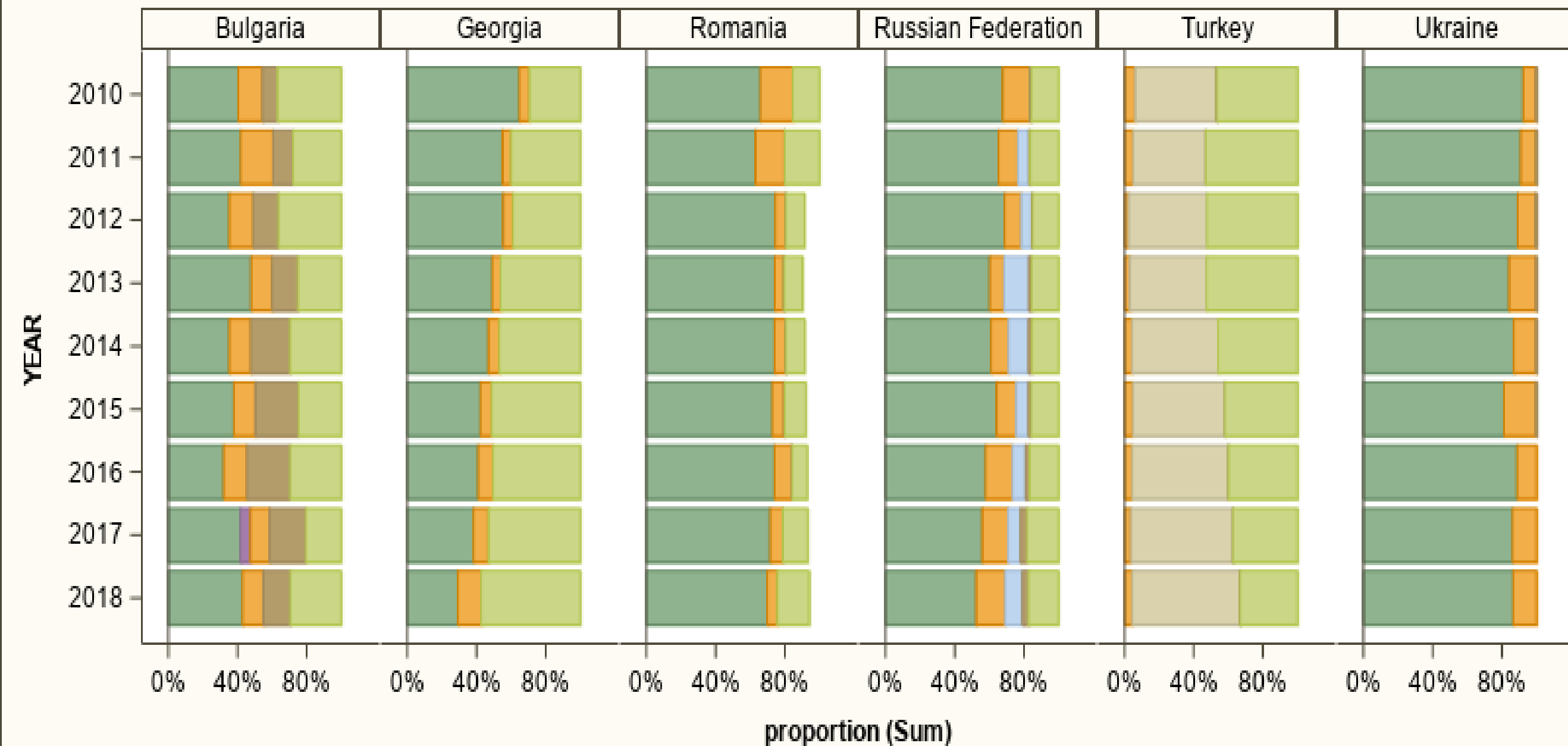
annual production (tonnes)



production compared to 2000



main species



species carp other shellfish trout catfish salmon seabream and seabass



Aquaculture

Where is it going?



The European Green Deal

von der Leyen Commission

DECARBONISATION

55% reduction by
2030

zero carbon by 2050

FARM TO FORK

Food security

Neutral or positive
environmental impact

BIODIVERSITY

Widening protected
areas

ZERO POLLUTION

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

CIRCULAR ECONOMY

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



Saving the Danube

Can we get them back?



Dams and weirs

Problems

blocking

migratory fish spawning

resident fish life cycle

ponding

colonisation by planktivorous
fish

irregular channel flow

disrupts seasonal spawners

Solutions

removal or partial breaching

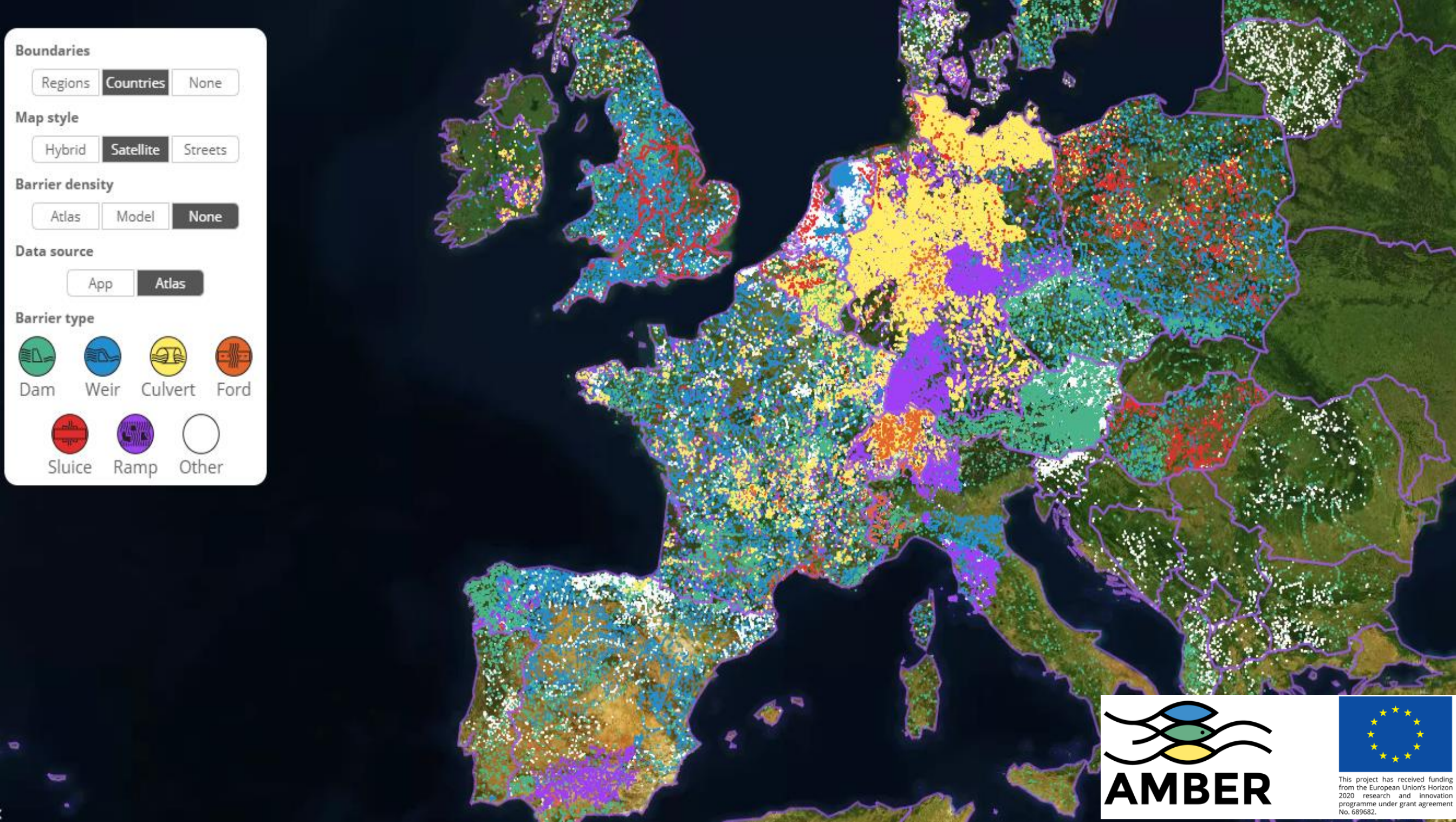
preferred solution

fishways

allow upstream and
downstream passage

flush flows

reduction in magnitude and
frequency



EU commitment to healthy oceans

RESEARCH

€95.5 billion 2021-2027

Partnership
Clusters
Innovation
Mission Ocean

KNOWLEDGE

Copernicus
EMODnet
Twin Ocean
Destination Earth
Ocean Observation

INVESTMENT

€672.5 billion Recovery and Resilience
€26 billion InvestEU
BlueInvest