

## Blue Bioeconomy

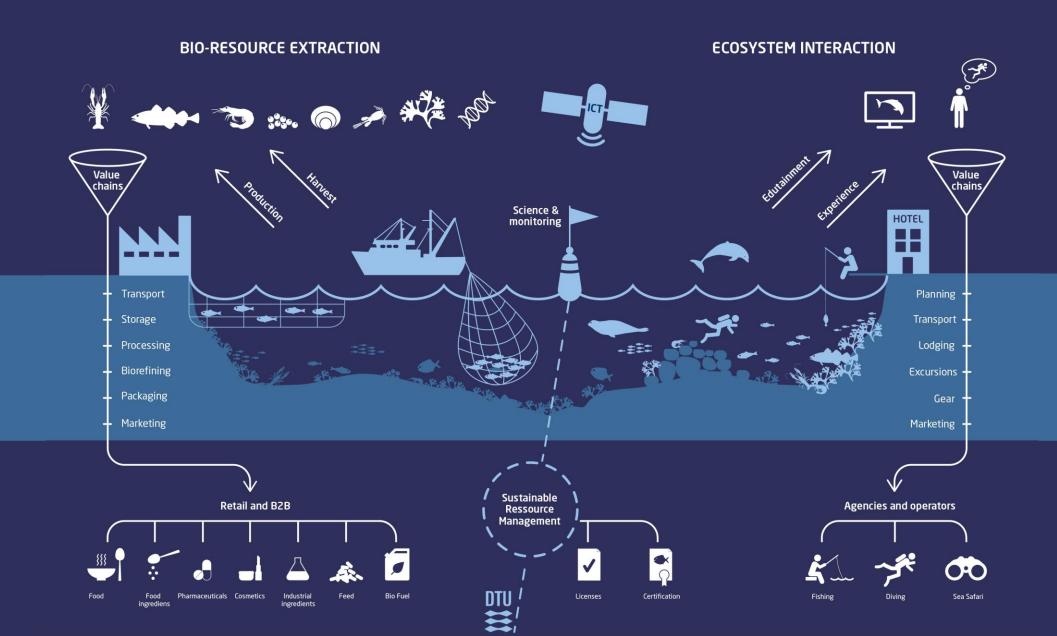
Workshop on the Implementation of the European Strategy for the Bioeconomy

Tom Redd

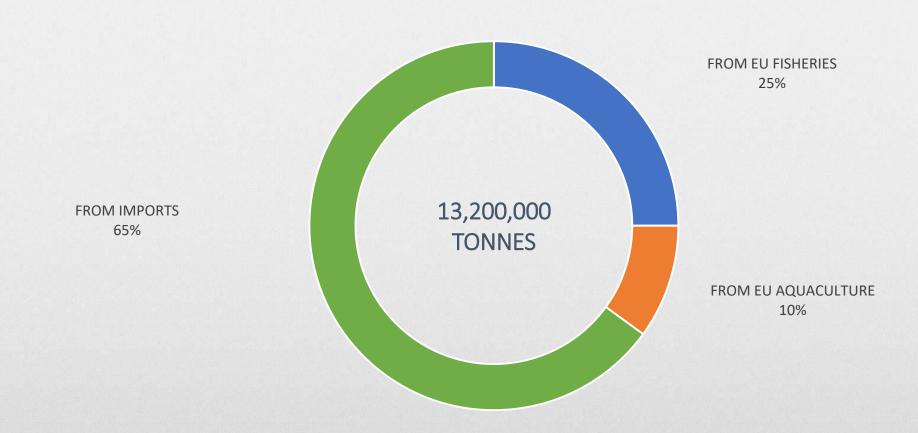




## **BLUE BIOECONOMY**

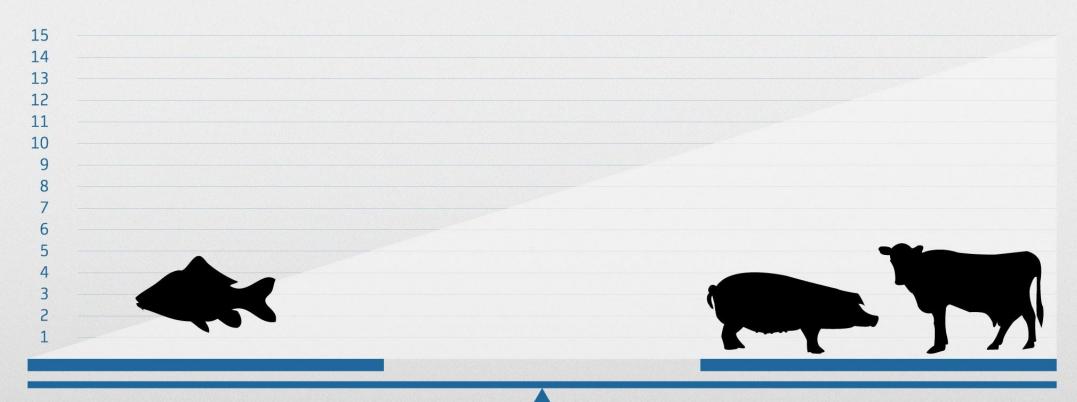


# THE EU SEAFOOD MARKET SUPPLY



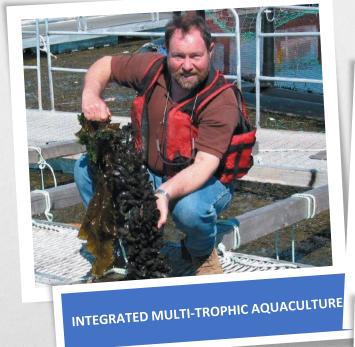
# AQUACULTURE

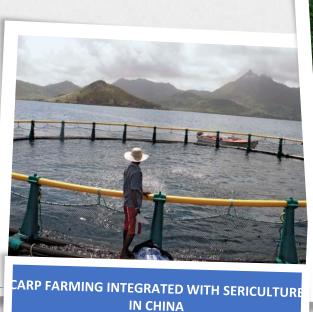
IT TAKES 15 TIMES AS MUCH FEED TO PRODUCE 1 KILOGRAM OF BEEF AS TO PRODUCE 1 KILOGRAM OF CARP.



# AQUACULTURE

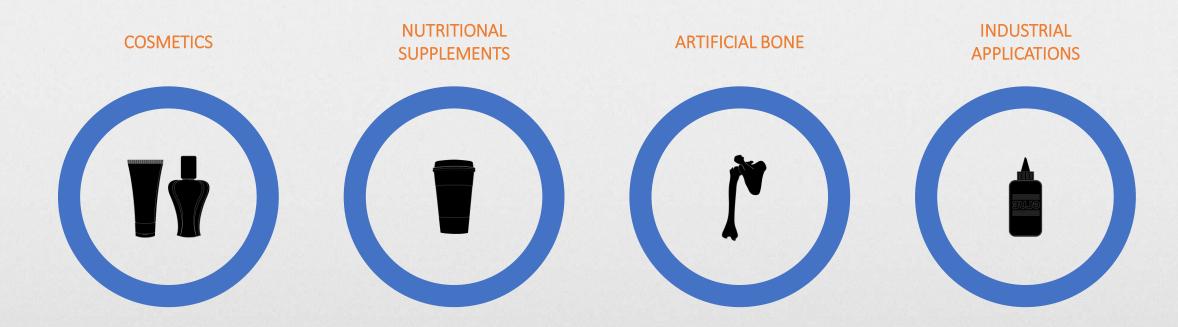
#### ROOM FOR IMPROVEMENT IN EUROPE







# OTHER USES FOR MARINE-DERIVED COMPOUNDS



## POTENTIAL AND OPPORTUNITY

#### MARINE BIOTECHNOLOGY - MEDICAL ADVANCEMENTS



ZOVIRAX – DRUG DERIVED FROM A CARIBBEAN SPONGE THAT TREATS HERPES, CHICKENPOX AND SHINGLES





YONDELIS – DRUG DERIVED FROM SEA SQUIRT THAT TREATS SOFT TISSUE SARCOMA





PRIALT - A PAINKILLER
DERIVED FROM A CONE SNAIL



# JPI Oceans – an intergovernmental process

#### Vision:

Enabling Blue Growth and jobs whilst fostering the health and productivity of seas and oceans and addressing the pressures posed by climate change and human impacts.

#### Mission:

Providing a strategic platform for a long-term approach to marine and maritime research and innovation to increase impact of investments.

#### **Members**

#### 21 member countries

Management Board of Ministries and Research func European Commission services as observer (DG R<sup>-</sup> International Partners may engage in actions case k JPI Oceans covers all European sea basins and European interests in the global ocean



### Blue Bioeconomy Cofund

Unlocking the potential of aquatic bioresources

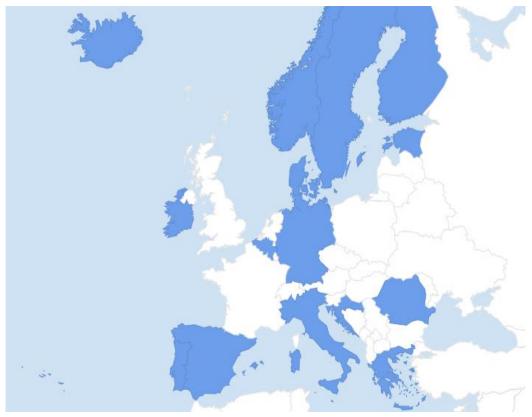
National and regional funding organisations from 16 European countries

#### 1st Joint Call 2018

29 million Euro EU top-up

- Priority area 1: Exploring new resources
- Priority area 2: Exploring improvements in fisheries and aquaculture
- Priority area 3: Exploring synergies with other sectors
- Priority area 4: Exploring Biotechnology and ICT







### Blue Bioeconomy Cofund

Unlocking the potential of aquatic bioresources



Achieving zero waste by optimising the use of underutilised material

Applying biotechnology and ICT to develop smart, efficient, traceable food systems

Creating synergies between aquaculture and fisheries

Unlocking the potential of microbiomes in aquaculture, fisheries, and food processing

Creating predictive tools to conserve biodiversity hot-spots in the oceans

Exploring synergies with land-based production

Improving aquaculture and fisheries







### Strategies...



### Blue Bioeconomy Forum

Unlocking the potential of aquatic bioresources

Brings together a partnership of industry, public authorities, academia, and finance in order to strengthen Europe's competitive position in the emerging Blue Bioeconomy

#### Aims:

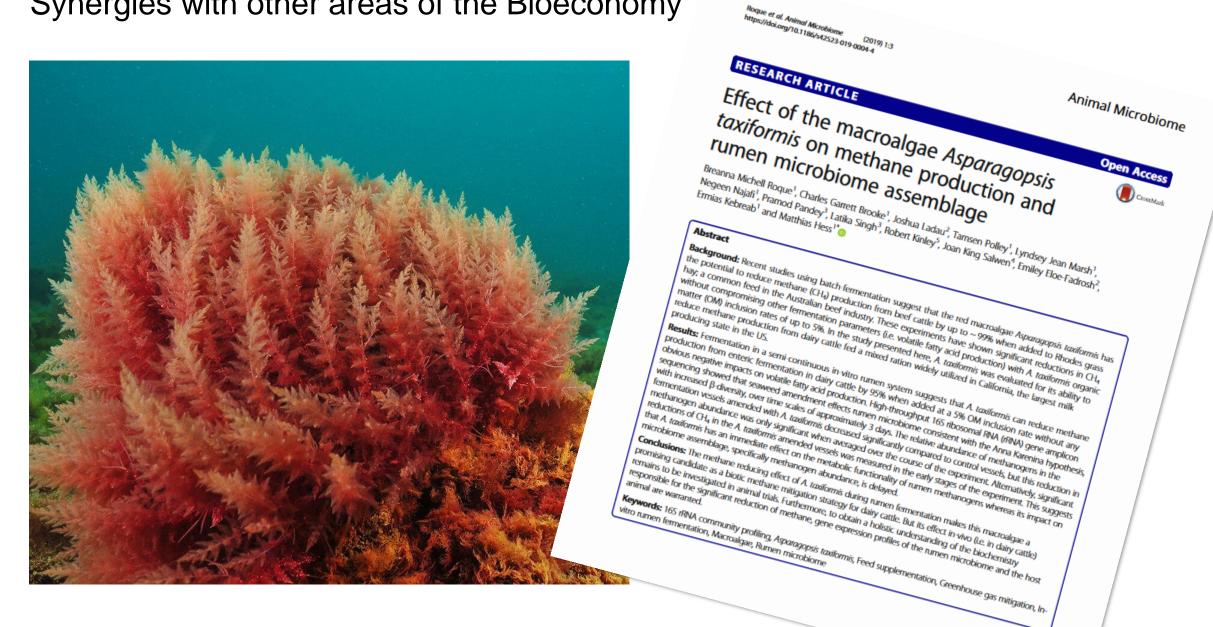
- Develop a shared understanding of the current status of the Blue Bioeconomy in Europe
- Identify strategic developments, market opportunities, appropriate financial assistance, regulatory actions and research priorities to advance the Blue Bioeconomy in Europe

**Next Stakeholder Conference: 25 June, Brussels** 





# Synergies with other areas of the Bioeconomy



# JPI OCEANS

THANK YOU

Tom Redd

Email: tom.redd@jpi-oceans.eu

Website: www.jpi-oceans.eu

Twitter: @jpioceans