European Commission

HORIZON 2020

Unlocking and demonstrating the potential of Seas and the Ocean

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Blue Growth Focus Area 2014-2015

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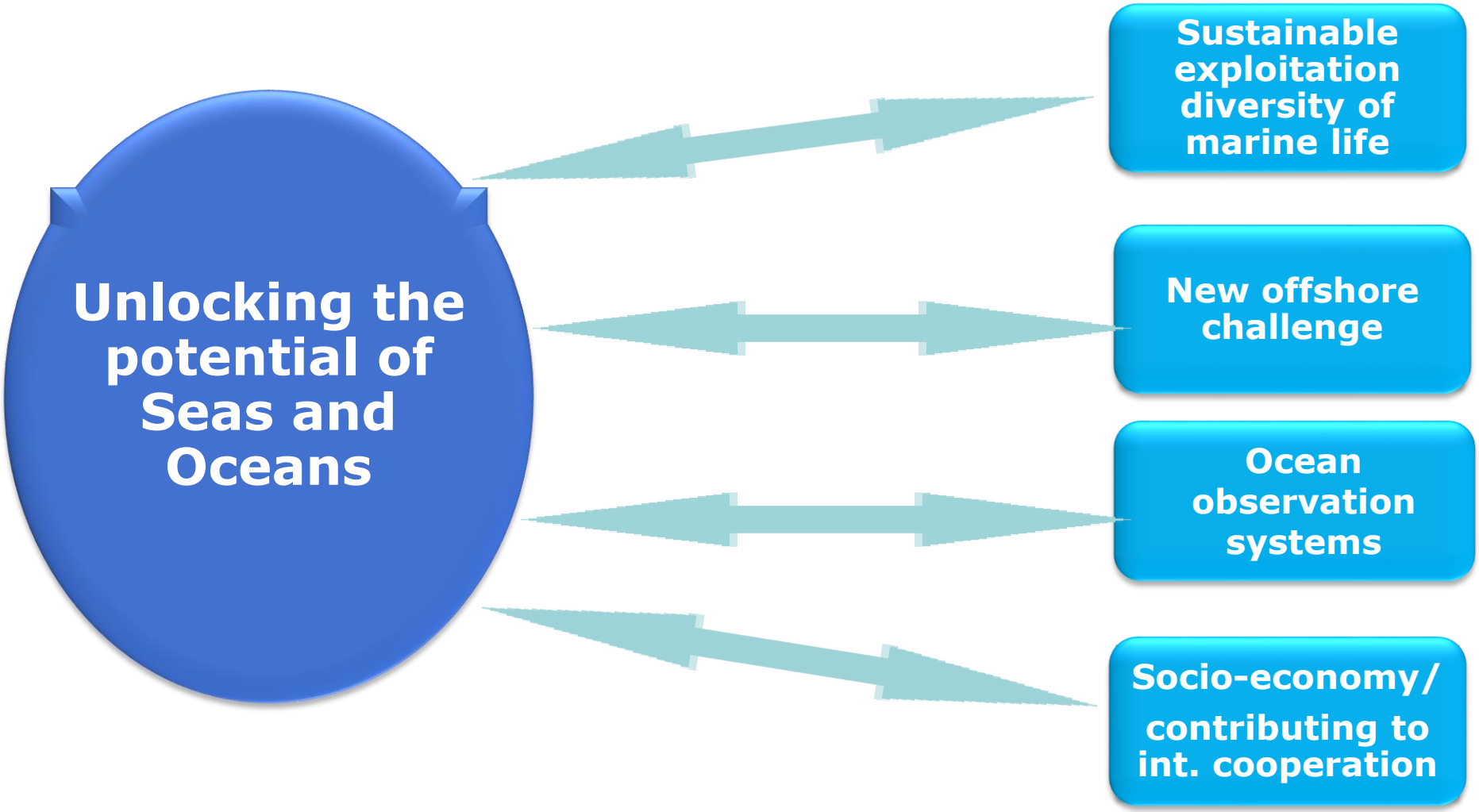
Cross-cutting initiatives



Strategic orientations 2016-17

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3 Unlocking the potential of seas and oceans

TRANSDISCIPLINARY R&I: Cross-cutting marine and maritime research

INNOVATION & DEMONSTRATION: Deployment of technologies "from lab to market" & enable sustainable solutions

KNOWLEDGE: Tools and technologies to monitor and predict ocean and climate change

Demonstrating an Ocean of Opportunities

Innovation in emerging BG activities

Healthy oceans for healthy people

European ocean observing, surveying and monitoring capability

Innovation in emerging Blue Growth activities

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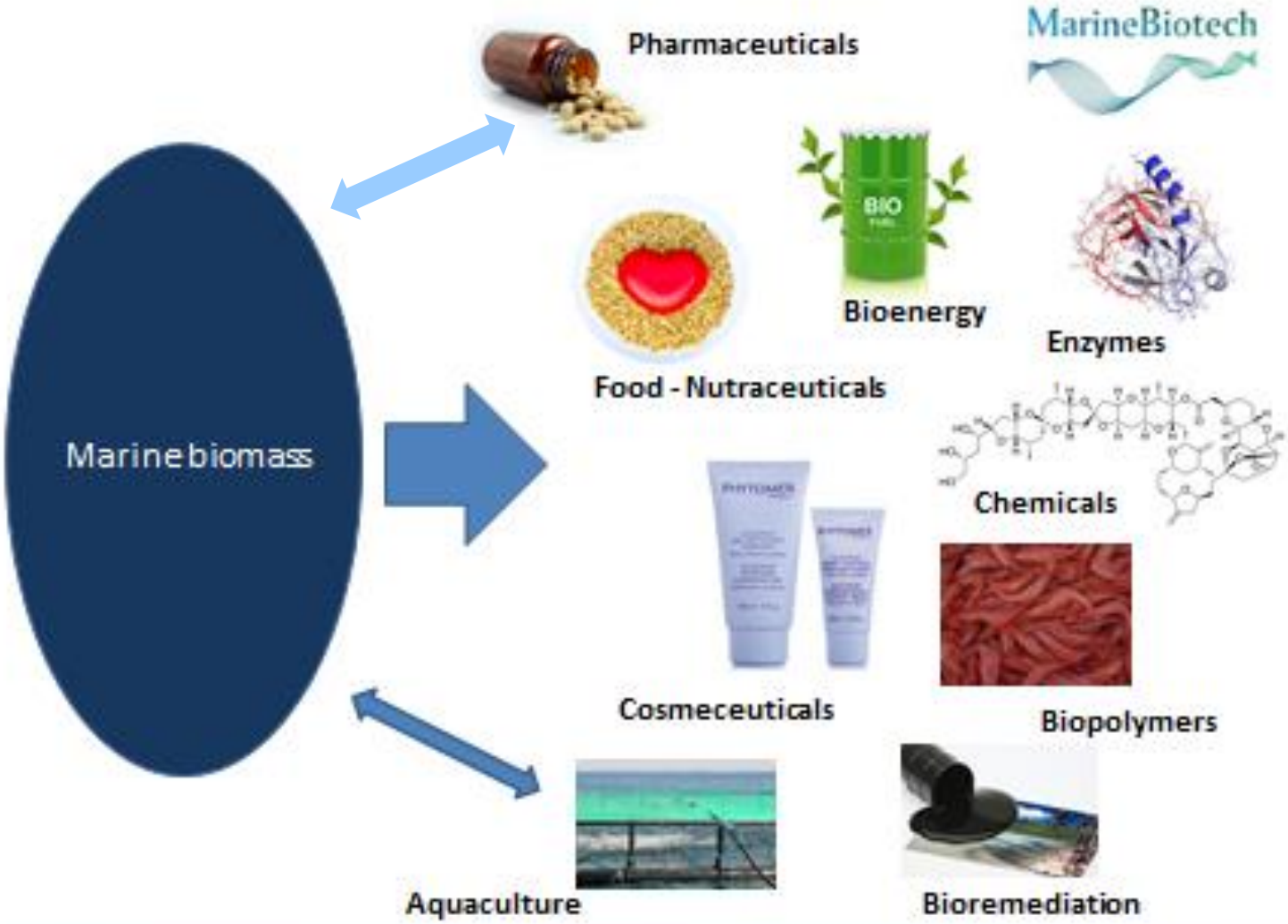
Large-scale marine biomass integrated bio-refineries able to develop a range of value-added products

Crop	Oil yield [gallons (acre)$^{-1}$]
Corn	18
Cotton	35
Soybean	48
Mustard seed	61
Sunflower	102
Rapeseed	127
Jatropha	202
Oil palm	635
Algae	**10,000**

Large scale algae biorefinery

Economic opportunity



Innovation in emerging Blue Growth activities

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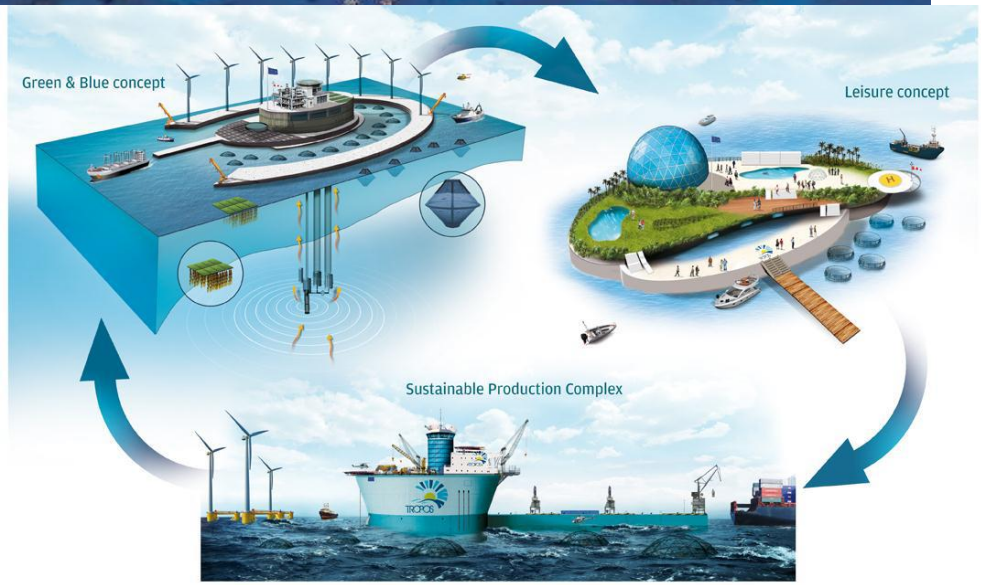
Multi-offshore platforms/spaces combining many differeant activities at sea (renewable energy, aquuaculture, fisheries, and related technologies



Healthy ocean and seas for healthy people

Complex land-sea interactions (green algae bloom, coastal erosion

Healthy ocean and seas for healthy people

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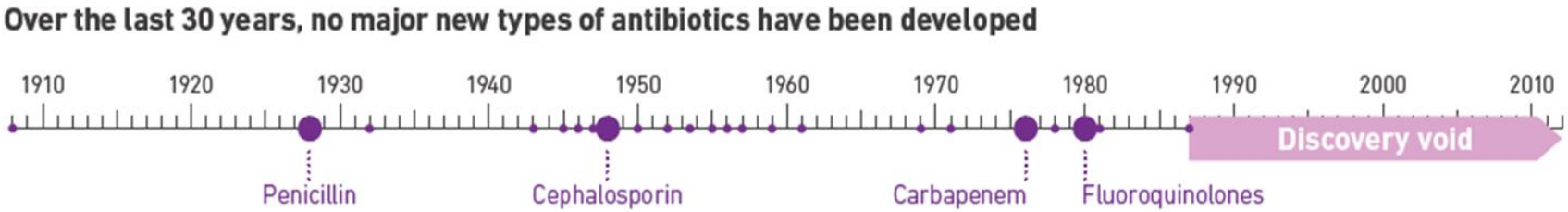
New medecines, healthy food, healthy diets



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Blue green innovation for clean coasts and seas

Strenghtening the observing systems

Thank you for your attention

Useful links:

Horizon 2020: www.ec.europa/research/horizon2020

Participant Portal:

https://ec.europa.eu/research/participants/portal

Bioeconomy : http://ec.europa.eu/research/bioeconomy