

Draft Work Programme 2016-2017

Societal challenge 2: Food security,
sustainable agriculture and forestry, marine
and maritime and inland water research and
the bioeconomy

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7 SAMFUNNSUTFORDRINGER

1 Helse, demografi og velvære

2 Matsikkerhet, marin og maritim forskning, bærekraftig landbruk og bio-økonomi

3 Sikker, ren og effektiv energi

4 Smarte, grønne og integrerte transportløsninger

5 Klima, ressurseffektivitet og råmaterialer

6 Inkluderende, innovative og reflekterende samfunn

7 Samfunnssikkerhet



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Bakgrunn for Focus Area Blue Growth

- Tackle global challenges (scarcity and vulnerability of strategic resources (i.e. for food, energy))
- The climate change risks
- Critical barriers to overcome: risky environment, insufficient knowledge, data or data access, as well as uncertain financial and legal frameworks

MÅLSETTING: investment in testing and demonstration projects for new technologies, bringing them 'from lab to market'

4 hovedutlysninger i Work Programme

1. *Sustainable Food Security – Resilient and resource efficient value chains*
2. *Blue Growth - Demonstrating an ocean of opportunities*
3. *Rural Renaissance - Fostering innovation and business opportunities*
4. *Bio-based innovation for sustainable goods and services – Supporting the development of a European Bioeconomy*

Målsetting:

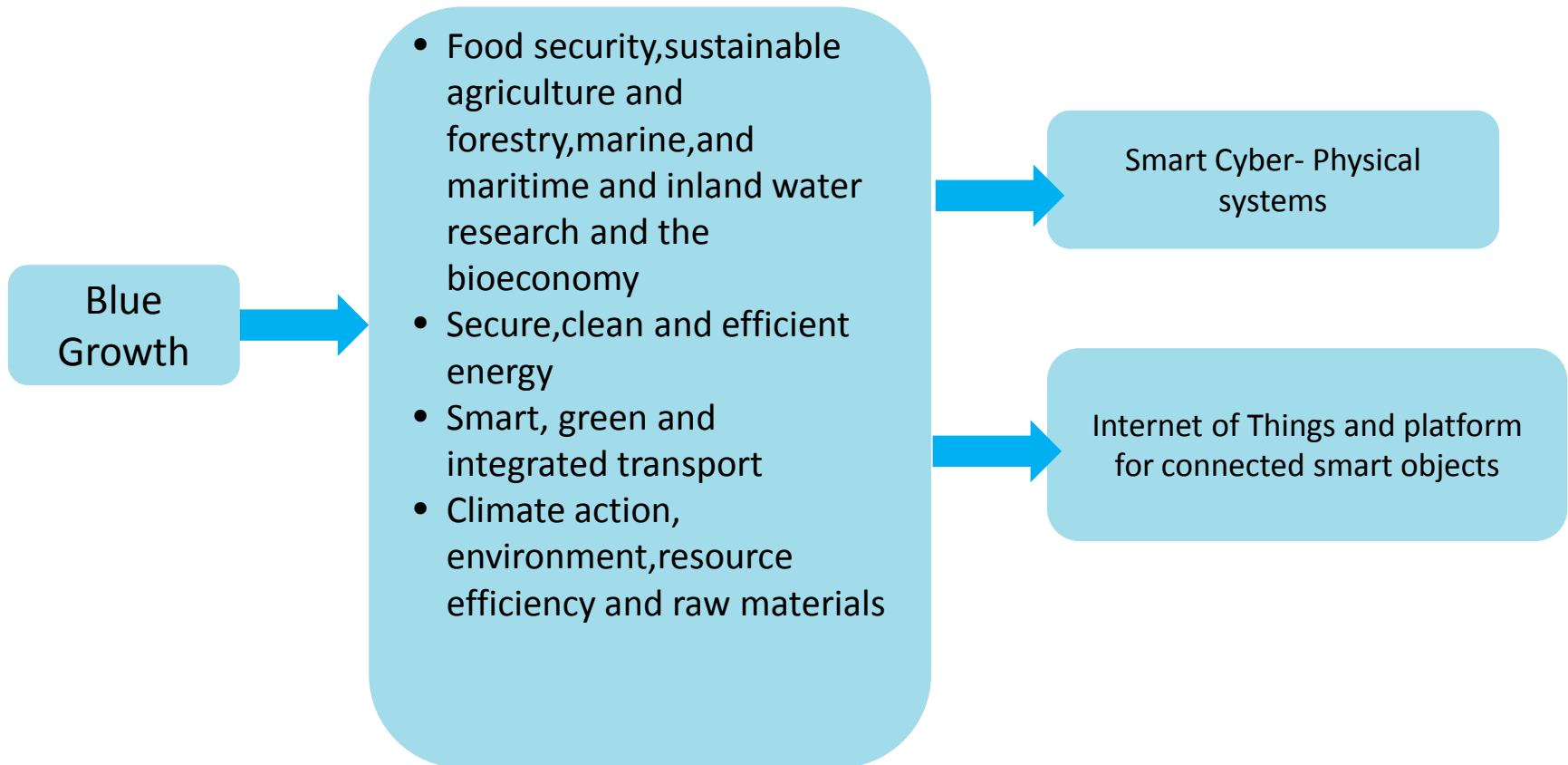
- cross-cutting marine and maritime research
- bring technologies to commercial applications
- strengthen marine observing, surveying and monitoring capability of the marine environment

Blue Growth Focus Area WP 2016 – 2017

3 tett sammenvevde søyler:

1. Test, demonstrate, scale-up and bring to the market existing or new marine and maritime technologies, support innovative products and the development of new services
2. Explore the interactions between the oceans and human health, including land-sea interactions
3. Create an inter-operational ocean and sea basin observation system, as well as the development/deployment of technologies necessary to accelerate the production of a high-resolution map of EU Sea Basins

This Focus Area has cross-cutting activities with other areas of Horizon2020, such as *Secure, clean and efficient energy* (Societal Challenge 3), *Smart, Green and Integrated Transport* (Societal Challenge 4) and *Climate action, environment, resource efficiency and raw materials* (Societal Challenge 5)



Eksempler på utlysninger Blue Growth (BG)

Innovation for emerging Blue Growth activities:

- BG 1-2016: Large-scale integrated algae biorefineries
- BG 2-2016/2017: High value-added specialised vessel concepts enabling more efficient servicing of emerging coastal and offshore activities
- BG 4- 2017: Multi-use of the oceans marine space, offshore and near-shore: Technological Barriers

Healthy oceans and seas for healthy people:

- BG 7-2016/2017: Blue green innovation for clean coasts and seas
- BG-8-[2016]: Innovative sustainable solutions for improving the safety and dietary properties of seafood

Strengthening the European ocean observing, surveying and monitoring capability (Arctic, Mediterranean)

- BG 9-2016: Unified integrated Arctic Observing System

Utlysninger 2016-2017 SMB Instrument – Blue Growth

1. BG 14: Supporting SMEs efforts for the development - deployment and market replication of innovative solutions for blue growth
2. SFS Resource-efficient eco-innovative food production and processing
3. Intelligent solutions and tools in forest production systems, fostering sustainable supply of quality wood for the growing bioeconomy
4. Creating added value from waste and by-products generated on farm and along the value-chain

European Technology Platform, Aquaculture

EATIP

- Establish a strong relationship between aquaculture and the consumer
- Assure a sustainable aquaculture industry
- Consolidate the role of aquaculture in society

- <http://www.eatip.eu/>



Globally there is an increasing demand for aquaculture products. The aquaculture sector is relatively young and has to increase productivity and profitability while reducing the impact on the environment. Major improvements can be made by better and more breeding programmes. The European research project FISHBOOST will advance European aquaculture to the next level.

[Read more](#)



Boosting European aquaculture by advancing selective breeding to the next level

<http://www.fishboost.eu/>

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