



**BG-02-2016/2017: High value-added specialised vessel concepts enabling more efficient servicing of emerging coastal and offshore activities .**





## Specific challenge

- Increasingly business and services are carried out within the marine space. Costs at sea are higher than for equivalent shore based operations
- A significant proportion of them are associated with the support vessels which service these activities.
- Inappropriate vessels can increase costs because they may have limited operational weather windows, high overheads, slow speed, low efficiency and they may be generally ineffective for the task concerned.

The specific challenge is to:

Develop **novel specialised vessel concepts** which are economically viable and environmentally friendly and which will more effectively serve coastal and offshore activities, thereby supporting European growth and employment through development of a blue economy.



# Scope

Develop to a pre-commercial stage technology readiness level (TRL) 5 and include:

- **model testing**, consideration of the most suitable construction and production principles for small series or one off vessels of this type,
- **environmental impact assessment**
- **cost estimation** as well as both the **marketability** (technology push), and the cost effectiveness of the offshore operations concerned (demand pull).
- Work shall **include development and testing of vessel concepts** and its equipment so as to reduce costs and enable more efficient operations within either coastal or offshore environments as follows:
  - 1 - Specialised vessels for coastal activities (2016)
  - 2 - Specialised vessels for offshore activities (2017)



## Expected impact

To support significant economic growth and employment within the EU, the project will:

- Develop solutions to at least technology readiness level (TRL) 5 which will significantly impact on the development of a European marine and coastal economy.
- Aim to **reduce costs by at least 20%** compared to current practices taking the **entire process** including increased productivity and vessel cost into consideration.
- Increase the **professional skills of workers** and the capability of European industry and in particular SMEs within the marine and maritime sectors to **develop and commercialise specialised vessels and related technology**.



## Topic data

- Type of action: Innovation Action
- EU contribution:
  - Up to EUR 7 million for "*Specialised vessels for coastal activities*" in 2016
  - Up to EUR 8 million for "*Specialised vessels for offshore activities*" in 2017
- Budget (2016+2017): 15 M€
- Deadline:17/02/2016 (1 stage proposal)