



Framework Programme for research and technological development with several projects such as MEDSEA, VECTORS and MEECE addressing issues such as the effects of climate change on marine ecosystems and human activities in the Mediterranean Sea, the Atlantic Ocean, the Baltic Sea and the Black Sea.

Additional information with regard to specific research projects referred above:

AtlantOS (<https://www.atlantos-h2020.eu/>) aims to deliver an advanced framework for the

are impacting marine ecosystems now and how they will do so in the future. VECTORS has examined how these changes may affect the range of goods and services provided by the oceans, the ensuing socio-economic impacts and some of the measures that could be developed to reduce or adapt to these changes. The consortium consisted of 37 partners from 14 EU Member States, Norway, Turkey and South Africa. The total financial contribution was 10.5 million euros.

MEECE (<http://www.meece.eu/>) used a combination of data synthesis, numerical simulation and targeted experimentation to further our knowledge of how marine ecosystems will respond to combinations of multiple climate change and anthropogenic drivers. The consortium consisted of 22 partners from 8 EU Member States, Norway, Turkey and South Africa. The total financial contribution was 10.5 million euros.

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(iii) fostering climate-resilient sustainable development of oceans and seas and







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during the 2015 Paris Climate Conference was instrumental in identifying the protection of the ocean and marine biodiversity as key challenges to climate change policies and actions on the international agenda. The *Ocean and Climate Initiatives Alliance* will consolidate and coordinate the concrete actions initiated in this area by individual partnerships.

#### Ocean and climate actions

that was held in Paris from the 29<sup>th</sup> of November to the 13<sup>th</sup> of December, 2015.

The ocean was fully taken into account in official negotiations, was included in the Paris Agreement, and was the core issue of many alliances and dedicated partnerships. Over 30 events and 7 exhibitions on ocean and marine and maritime issues have been addressed in more than 70 events. The marine environment has been highlighted throughout two dedicated days and its integration in the Action Agenda both raised awareness of the international community to the importance of the ocean in the fight against climate change and catalysed coordinated action.

Under the banner of *Because the Ocean* and the signature of the related Declaration in November 2015 by 22 States, including France, has been a high level event prior to COP21. During the *Action Week*, inside the negotiations zone, on 2 December, a high level segment, initiated by France under the banner of *The Ocean is a solution for the Climate*, has for the first time gathered an international action-oriented partnership. The following days of 3 and 4<sup>th</sup> of December 2015 were devoted to the



ecosystems throughout the world. The scientific vessel *Tara* started in May 2016 a new research campaign with a view to raising awareness and sharing information and results with local populations. She is expected to sail the Pacific for two years over 1000 000 kms.

France has promoted the adoption of an international system for the control of green house gases, to support efforts towards a policy of reduction of green house gases by the IMO.

-The *West Africa Coastal Management Program*, designed to reduce the vulnerability of coastal areas, has been launched by the World Bank, with the support of France and other partners. During a high level event on oceans it organised in New-York on April the 21<sup>st</sup>, 2016 in order to strengthen international mobilisation in favour of the ocean, France signed a Memorandum agreement with the World Bank, and has since decided to grant new funding to this initiative.

-France is also maintaining its support to the



(i) Collection of relevant scientific data

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