



Marine Institute
Foras na Mara

Blue Growth & Horizon 2020



Competitive Marine/Maritime Research
Funding Opportunities in the Horizon
2020 Programme (2014-2020)

Further Copies of this report may be obtained from:

MARINE INSTITUTE
Rinville
Oranmore
Co. Galway
Ireland

Alternatively you can download a PDF Version from www.marine.ie

Disclaimer: While every care has been taken to ensure the accuracy of the above FP7 projects, the Marine Institute cannot accept responsibility for errors, omissions or changes in project descriptions or partnerships.

The EU Blue Growth Strategy (2012)

Blue Growth¹ is the EU's long term strategy to support sustainable growth in the marine and maritime sectors. The Blue Growth Strategy recognises that the European seas and oceans are central to the European economy with great potential for innovation, economic growth and job creation. The Blue Growth Strategy is the **Integrated Maritime Policy's** contribution to achieving the goals of the **Europe 2020 Strategy** for smart, sustainable and inclusive growth. Implementation of the Blue Growth Strategy, including sea-basin strategies such as the **EU Atlantic Action Plan (2014-2020)**², can be supported by EU co-funding programmes such as Structural and Cohesion Funds (e.g. INTERREG, Smart Specialisation, etc.), **Horizon 2020**, European Maritime and Fisheries Fund (EMFF), etc.

Horizon 2020 (2014-2020)

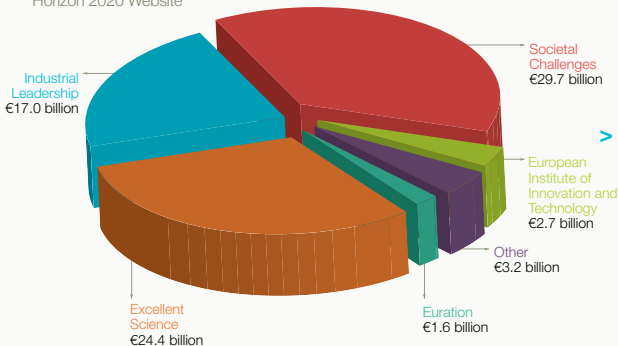
Horizon 2020 is the financial instrument implementing the **Innovation Union**, a Europe 2020 flagship initiative aimed at securing Europe's global competitiveness. The €80 billion Horizon 2020 Programme (2014-2020) for research and innovation is part of the drive to create new growth and jobs in Europe.

Horizon 2020 will tackle societal challenges by helping to bridge the gap between research and the market by, for example, helping innovative enterprise to develop their technological breakthroughs into viable products with real commercial potential. This market-driven approach will include creating partnerships with the private sector and Member States to bring together the resources needed.

The proposed support for research and innovation under Horizon 2020 will:

- > **Strengthen the EU's position in science** with a dedicated budget of €24 billion. This will provide a boost to top-level research in Europe, including the very successful European Research Council (ERC);
- > **Strengthen industrial leadership in innovation** (€17 billion). This includes major investment in key technologies, greater access to capital and support for SMEs;
- > Provide €30 billion to help **address major concerns shared by all Europeans** such as climate change, developing sustainable transport and mobility, making renewable energy more affordable, ensuring food safety and security, or coping with the challenge of an ageing population.

Source:
Horizon 2020 Website



 For everything you want to know about Horizon 2020, see:
http://ec.europa.eu/research/horizon2020/index_en.cfm

1. http://ec.europa.eu/maritimeaffairs/policy/blue_growth/index_en.htm

2. http://ec.europa.eu/maritimeaffairs/policy/sea_basins/atlantic_ocean/index_en.htm

Blue Growth and Horizon 2020

As a result of a new strategic programming approach in Horizon 2020, twelve **Focus Areas** have been identified for special attention on the basis that they hold significant potential for high growth and innovation. One of these Focus Areas is **Blue Growth: Unlocking the potential of the seas and oceans**. Each Focus Area is embedded in the relevant parts of the work programme and, where appropriate, covered by specific calls for proposals.

For the 2014-2015 Work Programming period, the bulk of Blue Growth opportunities are contained in Societal Challenge 2 (Food Security, Sustainable Agriculture and Forestry, Marine and Maritime and Inland Water Research and the Bioeconomy). However, as a Focus Area, marine/maritime research funding opportunities are also to be found in all other **Societal Challenges**, including 3 (Energy), 4 (Transport), 5 (Climate, Environment and Raw Materials), 7 (Security), and in the bottom-up **Excellent Science** and **Industrial Leadership** programmes.



Draft Texts of Horizon 2014-2015 Work Programmes are available at:
http://ec.europa.eu/research/horizon2020/index_en.cfm?pg=h2020-documents

Why participate in Horizon 2020?

Participation in EU funded collaborative and competitive research projects:

- > provides valuable grant-aid to develop research capacity (100% of eligible costs);
- > adds significant value to national research funding investments;
- > ensures that research efforts are meeting the most demanding international standards;
- > facilitates achievement of the necessary scale of effort whereby national priorities can be more effectively addressed;
- > supports mobility and career development, enhances domestic quality and stimulates innovative thinking;
- > supports research at a regional scale that would not be possible by a single country on its own;
- > helps to reduce duplication and fragmentation of effort;
- > enhances access to international state of the art facilities;
- > strengthens international alliances and opens commercial opportunities for globally traded knowledge based products and services.

Useful Information:

- > **Horizon 2020 home page:**
http://ec.europa.eu/research/horizon2020/index_en.cfm;
- > **Previously funded marine projects:**
Marine Knowledge Gate
www.kg.eurocean.org;
- > **New ideas: Navigating the Future-IV**
www.marineboard.eu-publications.
- > **EU Atlantic Action Plan:**
http://ec.europa.eu/maritimeaffairs/policy/sea_basins/atlantic_ocean/index_en.htm

Building on the Past: Marine Research in FP7 (2007-2013)

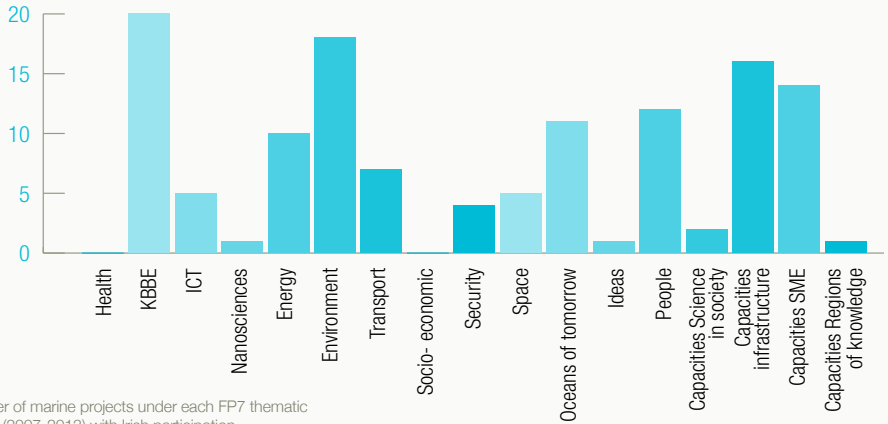


Fig 1: Number of marine projects under each FP7 thematic priority areas (2007-2013) with Irish participation.

Over the period (2007-2013), Irish marine researchers, including SMEs, have participated in **127 FP7 projects** spanning a number of FP7 Thematic Priorities (Figure 1) and bringing in EU grant aid of circa €48 million (of which 42% went to 39 SMEs). Further information on projects for the period 2007- 2010 can be found in **New Connections** (December 2011)³. Projects funded during the period 2011-2013 will be described in detail in **New Connections II** (in prep).

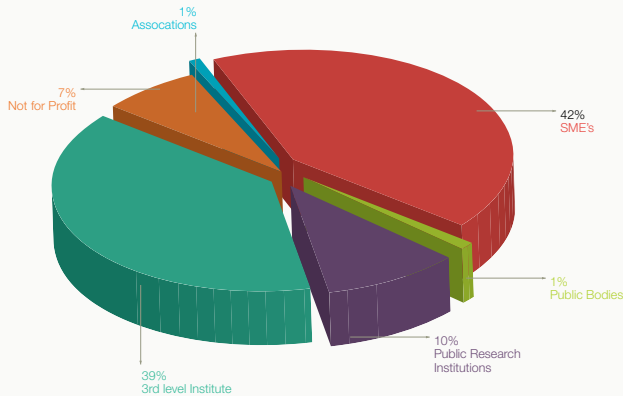


Figure 2. Percentage of EU marine funding (€48m) won by Irish SMEs (42%), third level institutions (39%), public research institutions (10%), not-for-profit organisations (7%), trade associations (1%) and public sector bodies (1%) (2007-2013).

What's in Horizon 2020 for small businesses?

Small-and Medium-sized Enterprises (SMEs) are encouraged to participate across the whole Horizon 2020 programme. They can engage in collaborative projects as part of a consortium, or seek support through a new dedicated SME instrument for highly innovative smaller companies. The integrated approach and simplification efforts should lead to a minimum of 20%, or about €8.65 billion, of the total combined budgets of the specific objective 'Leadership in enabling and industrial technologies' (LEITs) and the 'Societal Challenges' going to SMEs. The SME instrument will be crucial in achieving this target. Over the course of Horizon 2020, at least €3 billion will be allocated to the SME instrument.

3. New Connections: Exploring Ireland's International Marine Research Partnerships. A Review of Irish Participation in EU Marine Research Projects 2007-2010 (<http://oar.marine.ie/handle/10793/747>)

IRISH MARINE SUCCESSES IN THE 7TH FRAMEWORK PROGRAMME (2007-2013)

Sub Programme	Date	Project Acronym	Project Title	Lead Partner	Irish Partners	Project Website (url)
Cooperation Theme 2: KBBE	2012-2017	ARRAINA	Advanced Research Initiatives for Nutrition and Aquaculture	The French National Institute for Agricultural Research (France)	- Aqua TT	araina.eu
Cooperation Theme 2: KBBE	2009-2012	Aquainnova	Supporting governance and multi-stakeholder participation in aquaculture research and innovation	European Aquaculture Technology and Innovation Platform (EATIP), (Belgium)	- Aqua TT	eatip.eu
Cooperation Theme 2: KBBE	2009-2012	AQUAMED	The future of research on aquaculture in the Mediterranean Region	The European Fisheries and Aquaculture Research Organisation (France)	- Aqua TT	aquamedproject.net
Cooperation Theme 2: KBBE	2012-2013	BAMMBO	Sustainable production of biologically active molecules of marine based origin	Limerick Institute of Technology (Ireland)	- Algae Health Limited	bammbo.eu
Cooperation Theme 2: KBBE	2012-2017	BIOFECTOR	Resource Preservation by Application of BIOFACTORS in European Crop Production	University of Hohenheim (Germany)	- BioAtlantis Ltd.	biofactoreu
Cooperation Theme 2: KBBE	2010-2013	BIVALIFE	Management of infectious diseases in oysters and mussels in Europe	French Research Institute for the Exploitation of the Sea (France)	- Marine Institute - University College Cork	ifremer.fr/bivalife
Cooperation Theme 2: KBBE	2009-2012	COEXIST	Interaction in Coastal Waters: A Roadmap to sustainable integration of aquaculture and fisheries	Institute of Marine Research (Norway)	- University College Cork - Aqua TT	coexistproject.eu
Cooperation Theme 2: KBBE	2012-2016	COFASP	Cooperation in Fisheries, Aquaculture and Seafood Processing	Danish Agency for Science, Technology and Innovation (Denmark)	- Marine Institute	cofasp.eu/
Cooperation Theme 2: KBBE	2008-2011	DeepFishMan	Management & Monitoring of deep-sea fisheries and stocks	French Research Institute for the Exploitation of the Sea (France)	- Marine Institute	deepfishman.bifra.fr/doku.php
Cooperation Theme 2: KBBE	2009-2013	ECKKNOWS	Effective use of ecosystems and biological knowledge of fisheries	Institute of Marine Research (Norway)	- Marine Institute	eckknows.eu
Cooperation Theme 2: KBBE	2012-2016	ECSAFEFOOD	Priority environmental contaminants in seafood: safety assessment, impact and public perception	Institute for research on Biological Resources (Portugal)	- AquaTT	ecsafesafeed.eu
Cooperation Theme 2: KBBE	2012-2014	EUROSHHELL	Bridging the gap between science and producers to support the European marine mollusc production sector	National Committee for Shellfish Aquaculture (France)	- University College Cork - Irish Salmon Growers	euroshell-hp7.eu
Cooperation Theme 2: KBBE	2012-2016	MaCUMBA	Marine Microorganisms: Cultivation Methods for Improving their Biotechnological Applications	Royal Netherlands Institute for Sea Research (Netherlands)	- AquaTT - University College Cork	macumbaproject.eu
Cooperation Theme 2: KBBE	2013-2017	MAFEFRAME	Co-creating Ecosystem based Fisheries Management Solutions	Matis O'HF (Iceland)	- North Western Waters Regional Advisory Council	In Development

Disclaimer: While every care has been taken to ensure the accuracy of the above FP7 projects, the Marine Institute cannot accept responsibility for errors, omissions or changes in project descriptions or partnerships.

Sub Programme	Date	Project Acronym	Project Title	Lead Partner	Irish Partners	Project Website (url)
Cooperation Theme 2: KBBE	2008-2011	MEFEPO	Making European Fisheries Ecosystem Operational	University of Liverpool (United Kingdom)	- Marine Institute	liv.ac.uk/mefepo
Cooperation Theme 2: KBBE	2010-2013	MG4U	Marine Genomics for Users: Marine Genomics Support and Coordination Action	National Centre for Scientific Research (CNRS) (France)	- University College Cork - Aqua IT	mg4u.eu
Cooperation Theme 2: KBBE	2012-2016	MyFish	Maximising yield of fisheries while balancing ecosystem, economic and social concerns	DTU/Aqua (Denmark)	- AquaIT - Marine Institute - Killybegs Fishermans Organisation	myfishproject.eu
Cooperation Theme 2: KBBE	2012-2016	PharmaSea	Increasing Value and Flow in the Marine Biodiscovery Pipeline	University of Leuven (Belgium)	- University College Cork	pharma-sea.eu
Cooperation Theme 2: KBBE	2008-2011	PreventEscape	Assessing the causes and developing measures to prevent the escape of fish from sea-cage aquaculture	SNITEF (Norway)	- Marine Institute	Preventescape.eu
Cooperation Theme 2: KBBE	2012-2015	SOCIOEC	Socio-economic effects of management measures of the future Common Fisheries Policy	Thünen Institute (Germany)	- AquaIT - Marine Institute - National University of Ireland, Galway - Marine Law	socioec.eu
Cooperation Theme 3: ICT	2011-2013	EMIROFI	The Environmental Observation Web and its Service Applications within the Future Internet	Atos Origin (Spain)	- Marine Institute - InTune Ltd	emirofi.eu/
Cooperation Theme 3: ICT	2008-2013	LABONFOIL	Laboratory skin patches and smartcards based on foils and compatible with a smart phone	IKERLAN S.COOP (Spain)	- BUSENSIA Ltd	laborfoil.eu
Cooperation Theme 3: ICT	2010-2013	NETMAR	Open Service Network for Marine Environmental Data	National Energy Research Scientific Computing Centre NERSC (Norway)	- University College Cork	netmar.ntsc.no
Cooperation Theme 3: ICT	2009	NEXTMUSE	Next generation multimechanics simulation environment	Cemate Nantes (France)	- National University of Ireland Galway	nextmuse.cscs.ch
Cooperation Theme 3: ICT	2009-2012	SHOAL	Search and Monitoring of Harmful contaminants, other pollutants and leaks in vessels in port using a swarm of robotic fish	BMT Group LTD. (United Kingdom)	- University College Cork	robusthal.com
Cooperation Theme 4: NMP	2012-2015	AT-SEA	Advanced Textiles for Open Sea Biomass Cultivation	SIEN Industries (Belgium)	- OceanFuel Ltd	atsea-project.eu
Cooperation Theme 5: Energy	2010-2011	AQUAFUELS	Algae and aquatic biomass for a sustainable production of 2nd generation biofuels	European BioDiesel Board (Belgium)	- National University of Ireland, Galway	aquafuels.eu
Cooperation Theme 5: Energy	2010-2013	CARBOCHANGE	Changes in Carbon uptake and emission	University of Bergen (Norway)	- National University of Ireland, Galway	Carbochange.b.uib.no

Sub Programme	Date	Project Acronym	Project Title	Lead Partner	Irish Partners	Project Website (url)
Cooperation Theme 5: Energy	2008-2011	CORES	Components for Ocean Renewable Energy Systems	University College Cork (Ireland)	- University College Cork - Marine Computation Services Ocean Energy Ltd. - University of Limerick	hmrc.ucc.ie/cores/
Cooperation Theme 5: Energy	2013-2016	DTOcean	Optimal Design Tools for Ocean Energy Arrays	University Edinburgh (United Kingdom)	- University College Cork	In Development
Cooperation Theme 5: Energy	2008-2011	EQUIMAR	Pre-normative Research for Ocean Energy	University of Edinburgh (United Kingdom)	- University College Cork	equimar.org
Cooperation Theme 5: Energy	2010-2013	EURO_BASIN	North Atlantic Ocean and associated shelf-seas protection and management options	University of Hamburg (Germany)	- Marine Institute - University College Cork	euro-basin.eu
Cooperation Theme 5: Energy	2009-2013	MARINA	MARINA platform project will establish a set of equitable and transparent criteria for the evaluation of multi-purpose platforms for marine renewable energy (MRE)	Acciona (Spain)	- University College Cork	marina-platform.info
Cooperation Theme 5: Energy	2009-2011	ORECCA	Offshore Renewable Energy Conversion platforms-Coordination Action OREC-CA	Fraunhofer Institute for Wind Energy and Energy-Systems (Germany)	- University College Cork	orecca.eu
Cooperation Theme 5: Energy	2008-2012	STANDPOINT	Standardisation of Point-Absorber Wave Energy Convertors by Demonstration	Wavebob (Ireland)	- Wavebob - Mayofooth	fp7-standpoint.eu
Cooperation Theme 5: Energy	2013	TIDES	Tidal Demonstration for Energy Scheme	DFEnergy (Ireland)	- University College Cork - DPEnergy	In Development
Cooperation Theme 6: Environment	2013	ASTARTE	Assessment, strategy and risk reduction for tsunamis in Europe	Institute for Marine and Atmospheric Research (Portugal)	- University College Dublin	In Development
Cooperation Theme 6: Environment	2013	BACCHUS	Impact of biogenic versus anthropogenic emissions on clouds and climate	ETH Zurich (Switzerland)	- National University of Ireland, Galway	In Development
Cooperation Theme 6: Environment	2012-2015	CITCLOPS	Citizens' observatory for coast and ocean optical monitoring	Barcelona Digital Technology Centre (Spain)	- CoastWatch	dtblops.eu
Cooperation Theme 6: Environment	2009-2011	CLAMER	Climate Change and Marine Ecosystem Research Results	Flanders Marine Institute (Belgium)	- National University of Ireland, Galway	clamer.eu
Cooperation Theme 6: Environment	2010-2013	ComENiR	Communicating environmental impacts on water quality, availability and Use	Ludwig Maximilian University of Munich (Germany)	- Ecological Consultancy Services Ltd.	eusem.com/main; CE.com/eniR
Cooperation Theme 6: Environment	2008-2012	CORALFISH	Assessment of the interactions between corals, fish and fisheries in order to develop monitoring and predictive modelling tools for ecosystem based management in the deep waters of Europe and beyond	National University of Ireland, Galway (Ireland)	- National University of Ireland, Galway - O'Malley Fisheries - University College Cork	eu-fp7-coralfish.net

Sub Programme	Date	Project Acronym	Project Title	Lead Partner	Irish Partners	Project Website
Cooperation Theme 6: Environment	2013-2015	DANCERS	DANube macregion: Capacity building and Excellence in River Systems (basin, delta and sea)	National Institute of Cercetare-Dezvoltare Pentru Geologie SI Geocologie Marina-Geocomar (Romania)	- University College Cork	In Development
Cooperation Theme 6: Environment	2008-2012	EELIAD	European eels in the Atlantic: Assessment of their Decline	Centre for Environment Fisheries and Agriculture Science (United Kingdom)	- Marine Institute - Central Fisheries Board	eelad.com
Cooperation Theme 6: Environment	2008-2012	HERMIONE	Hotspot ecosystem research and man's impact on European seas	National Environment Research Council (United Kingdom)	- National University of Ireland, Galway - University College Cork	eu-hermione.net
Cooperation Theme 6: Environment	2012-2016	IDREM	Increasing Industrial Resource Efficiency in European Mariculture	The Scottish Association for Marine Science (United Kingdom)	- Daithi O'Murchu Marine Research Centre	idrem.eu
Cooperation Theme 6: Environment	2008-2012	Knowseas	Knowledge-based Sustainable Management for Europe's Seas	University of Plymouth (United Kingdom)	- University College Cork	knowseas.com
Cooperation Theme 6: Environment	2010-2012	Maine IT	Transfer and Uptake of Results	AquaIT (Ireland)	- AquaIT	maine.it
Cooperation Theme 6: Environment	2008-2012	MESMA	Monitoring and evaluation of spatially managed areas	Wageningen IMARES BV (Netherlands)	- University College Cork	mesma.org
Cooperation Theme 6: Environment	2008-2012	MIDTAL	Micro-arrays for the detection of toxic algae	Alfred Wegener Institute (Germany)	- National University of Ireland, Galway	midtal.com
Cooperation Theme 6: Environment	2009-2013	ODEMM	Options for Delivering Ecosystem Based Marine Management (United Kingdom)	University of Liverpool	- Marine Law and Ocean Policy Research Centre Services Ltd.	liv.ac.uk/odemmm
Cooperation Theme 6: Environment	2008-2011	SALSEA-MERGE	Advancing understanding of Atlantic Salmon at Sea: Merging genetics and ecology to resolve stock-specific migration and distribution patterns	Institute of Marine Research (Norway)	- Marine Institute - University College Cork	rascoir.it/ss/salsea/merge.htm
Cooperation Theme 6: Environment	2010-2014	SEAS ERA	Towards an Integrated European Marine Research Strategy and Programme	Ministry of Science and Innovation (Spain)	- Marine Institute	seas-era.eu
Cooperation Theme 6: Environment	2010-2013	WISER	Water bodies in Europe: Integrative Systems to Ecological status and Recovery	University of Duisburg-Essen (Germany)	- Trinity College Dublin	wiser.eu
Cooperation Theme 7: Transport	2008-2011	AZPILOT	Intuitive Operation and Pilot Training when Using Marine Azimuthing Control Devices	University of Newcastle-Upon-Tyne (United Kingdom)	- Transas Group	transas.com
Cooperation Theme 7: Transport	2012-2015	BESTFACT	Best practice factory for freight transport	PfV Planning Transport (Germany)	- University College Cork	bestfact.net
Cooperation Theme 7: Transport	2009-2011	E-Freight	European E-Freight Capabilities for Co-Modal Transport	Transport and Mobility Leuven (Belgium)	- Nautical Enterprises Centre - Chartered Institute of Logistics and Transport - Port of Cork	efreightproject.eu

Sub Programme	Date	Project Acronym	Project Title	Lead Partner	Irish Partners	Project Website (url)
Cooperation Theme 7: Transport	2012-2015	MUNIN	Maritime unmanned navigation through intelligence in networks	The Fraunhofer Society (Germany)	- University College Cork	unmanned-ship.org
Cooperation Theme 7: Transport	2008-2011	PROPS	Promotional Platform for Short Sea Shipping & Intermodality	University of Turku (Finland)	- Nautical Enterprise Centre - Irish Exporters' Association	prop-sss.eu
Cooperation Theme 7: Transport	2011-2013	SafePort	Safe Port Operations using EGNOS SoL Services	BMT Group Ltd. (United Kingdom)	- Dublin Port Company	safeportproject.com/
Cooperation Theme 7: Transport	2008-2011	SKEMA	Sustainable Knowledge Platform for the European Maritime and Logistics Industry	Athens University of Economics and Business- Research Centre (Greece)	- Nautical Enterprise Centre - Irish Exporters' Association - Dublin Port Co.	skematransport.eu
Cooperation Theme 9: Security	2011-2014	ChiBio	Development of an integrated biorefinery for processing oil rich biowaste to specialty and the fine chemicals	Fraunhofer Society (Germany)	- Letekerny Institute of Technology - Eragall-Esc Teoranta	
Cooperation Theme 9: Security	2011-2015	CONTAN	Container security advanced information networking	FOI Swedish Defence Research Agency (Sweden)	- Nautical Enterprise Ireland	containproject.com
Cooperation Theme 9: Security	2010-2015	PERSEUS	Protection of European seas and borders through the intelligent use of surveillance	Indra Sistemas (Spain)	- Skytech Ltd - Cork Institute of Technology	perseus-fp7.eu
Cooperation Theme 9: Security	2009-2013	SUPPORT	Security Upgrade for Ports	BMT Group (United Kingdom)	- Nautical Enterprise Centre - Port of Cork	support-project.eu
Cooperation Theme 10: Space	2012-2013	ASIMUTH	Applied Simulations and Integrated Modeling for the Understanding of Toxic and Harmful Algal Blooms	Daihi O'Murchu Marine Research Station (Ireland)	- Daihi O'Murchu Marine Research Station - Marine Institute - Nowcasting - Numerics Warehouse Ireland	asimuth.eu
Cooperation Theme 10: Space	2009-2013	MYOCEAN-I	Development and pre-operational validation of upgraded GMES Marine Core Services and Capabilities	Mercator Ocean (France)	- Marine Institute	myocean.eu.org
Cooperation Theme 10: Space	2012-2014	MYOCEAN-II	Development and Validation of Up-graded GMES Marine Core Services and Capabilities	Mercator Ocean (France)	- Marine Institute	myocean.eu
Cooperation Theme 10: Space	2011-2014	OSS2015	Ocean Strategic Services beyond 2015	ACRI-ST (France)	- University College Cork - Daihi O'Murchu Marine Research Centre	oss2015.eu
Cooperation Theme 10: Space	2013-2015	SAFI	Support to Aquaculture and Fishery Industry	ACRI-ST (France)	- University College Cork - Techworks Marine Ltd - DOMMBS	In Development
Oceans of Tomorrow 2011	2010-2013	ACCESS	Arctic Climate Change, Economy and Society	University of Pierre and Marie Curie (France)	- Economic and Social Research Institute	edcsm.jussieu.fr
Ocean of Tomorrow 2012	2012-2015	BENTHIS	Benthic ecosystem fisheries Impact Study	Plant Research International (DLO) (Netherlands)	- Marine Institute	benthis.eu/

Sub Programme	Date	Project Acronym	Project Title	Lead Partner	Irish Partners	Project Website (url)
Ocean of Tomorrow 2013	2013-2016	BRAVVOO	Biosensors, Reporters and Algal Autonomous Vessels for Ocean Observation	University of Lausanne (Switzerland)	- IDS Monitoring Ltd	In Development
Ocean of Tomorrow 2013	2013-2017	COMMON SENSE	Cost-Effective, Sensors, Interoperable with International Existing Ocean Observing Systems, to Meet EU Policies	Acondicionamiento Tarrasense Asociacion (Spain)	- University College Cork - Dublin City University - Aqua TT - T.E. Laboratories	In Development
Ocean of Tomorrow 2012	2012-2016	KILL Spill	Integrated Biotechnological Solutions for Combating Marine Oil Spills	Technical University of Crete (Greece)	- National University of Ireland, Galway	killspill.eu
Ocean of Tomorrow 2013	2013	LEAWIND	Logistic Efficiencies and naval architecture for wind installations with novel developments	University College Cork (Ireland)	- University College Cork - Gavin & Doherty Geosolutions Ltd - Rappel Enterprises Ltd - Cork Institute of Technology	In Development
Ocean of Tomorrow 2013	2013	MAPABOX	Marine environmental in situ assessment and monitoring toolbox	Research and Innovation Centre (Cyprus)	- Dublin City University - SmarBay Ireland Ltd	In Development
Oceans of Tomorrow 2012	2011-2015	Micro 3B	Marine Microbial Diversity, Bioinformatics and Biotechnology	Jacobs University (Germany)	- University College Cork	micro3.eu
Ocean of Tomorrow 2013	2013	SENSEOCEAN	Sense Ocean	National Environment Research Council NERC (United Kingdom)	- T.E. Laboratories	In Development
Ocean of Tomorrow 2012	2012-2014	STAGES	Science and Technology Advancing Governance of Good Environmental Status (MSFD)	Technological centre of the Sea-CETMAR (Spain)	- Aqua TT	stagesproject.eu
Oceans of Tomorrow 2011	2010-2013	VECTORS	Vectors of Change in Oceans and Seas	Plymouth Marine Laboratory (United Kingdom)	- University College Dublin	marine-vectors.eu/
Capacities: Research for the benefit of SMEs	2011-2013	BEADS	Marine Life: Impact on Economic Sectors	Bio-engineered micro Encapsulation of Active agents: Delivered to Shellfish (United Kingdom)	- University College Cork	projectbeads.eu
Capacities: Research for the benefit of SMEs	2011-2013	DOCKINGASSIST	Improved port efficiency and safety using a novel wireless network, and differential global navigation satellite system providing enhanced vessel navigation	Olkney Fisheries Association (United Kingdom)	- Coastal Zone Services Ltd - Port of Cork Company	dockingassist.eu
Capacities: Research for the benefit of SME's	2012-2014	GeoWAVE	Geotechnical design solutions for the offshore renewable wave energy industry	University of Dundee (United Kingdom)	- University College Cork	geowave-r4sma.eu
Capacities: Research for the benefit of SME's	2008-2010	HYFFI	Hydrocolloids as functional food ingredients for gut health	The University of reading (United Kingdom)	- Cybercolloids Ltd/ Merigot Ltd.	seaweedforhealth.org/ node/1
Capacities: Research for the benefit of SME's	2008-2013	MussebeAlive	Development of best practice and new technology for grading, handling, transportation, conditioning and storage of mussels for SMEs in the European mussel industry	Norwegian Seafood Centre, Burgun (Norway)	- Irish Farmer's Association	mussebealiveproject.com

Sub Programme	Date	Project Acronym	Project Title	Lead Partner	Irish Partners	Project Website (url)
Capacities: Research for the benefit of SMEs	2011-2014	NEPHROPS	Development of new techniques in hatchery rearing, fishery enhancement and aquaculture of Nephrops	Orkney Fisheries Association (United Kingdom)	- Clew Bay Marine Forum Ltd. - National University of Ireland, Galway	nephrops.eu
Capacities: Research for the benefit of SMEs	2008	OYSTERCOVER	Establishing the scientific bases and technical procedures and standards to recover the European flat oyster production through strategies to tackle the main constraint, bonemoss	Sea Technology Centre Foundation (CETIMAR) (Spain)	- University College Cork - Clew Bay Marine Forum Ltd. - Clew Bay Oyster Cooperative Society Ltd. - Atlantic Shellfish Ltd	oysterecover.eu/
Capacities: Research for the benefit of SMEs	2008-2011	SALMOTRIP	Feasibility study of triploid salmon production	University of Stirling (United Kingdom)	- Muir Gheal Teoranta Ltd	salmotrips@aic.ac.uk
Capacities: Research for the benefit of SMEs	2013-2015	SEABIOPLAS	Seaweeds from sustainable aquaculture as feedstock from biodegradable bioplastics	University Edinburgh (United Kingdom)	- Daifhi O'Murchu Máirne - Research Centre	In Development
Capacities: Research for the benefit of SMEs	2008-2010	SETTLE	Bivalve conditioning and settlement-keys to competitive hatchery production	University of Bergen (Norway)	- Cartron Shellfish Limited	settproject.com/
Capacities: Research for the benefit of SMEs	2008-2012	SUDEWAB	Sustainable development of European SMEs engaged in abalone aquaculture	Sea Technology Centre Foundation (CETIMAR) (Spain)	- National University of Ireland, Galway - Jersey Sea Farms	sudewab.eu/
Capacities: Research for the benefit of SMEs	2011-2013	SWAFAX	Seaweed derived anti-inflammatory agents and antioxidants	The University of Reading (United Kingdom)	- Cybercollicus Ltd - Marqot Ltd	seaweedforhealth.org/ swafax
Capacities: Research for the benefit of SMEs	2012-2014	TASTE	The Application of Edible Seaweed for Taste Enhancement and Salt Replacement	MATIS OHF (Iceland)	- Cybercollicus	tasteproject.net
Capacities: Research for the benefit of SMEs	2008-2012	TeamSafety	3D Virtual Team Training, Maritime Safety Simulation Platform	Danish Innovation Institute, Lyngby (Denmark)	- Sea & Shore Safety Ltd	team-safety.eu/
Capacities: Research Infrastructures	2011-2015	AQUAEXCEL	Aquaculture Infrastructures for Excellence in European Fish Research	National Institute for Agricultural Research INRA (France)	- Aqua IT	aquaexcel.eu/
Capacities: Research Infrastructures	2012-2015	COOPELUS	Building a Framework for a Sustainable, Transatlantic Cooperation in the field of Environmental Research Infrastructures	Centre for Marine Environmental Sciences (Germany)	- Marine Institute	coopelus.eu
Capacities: Research Infrastructures	2010-2012	CUJRE	Creation Underwater Robotics Research Potential	University of Zagreb (Croatia)	- Mobile and Marine Robotics Research Centre, - University of Limerick	cuire.fier.hr/
Capacities: Research Infrastructures	2009-2011	EELA-2	E-Science Grid Facility for Europe and Latin-America	Centre for Energy, Environment and Technology (Spain)	- University College Cork	eu-eek.org
Capacities: Research Infrastructures	2008-2012	EMSO	European Multidisciplinary Seafloor Observation	The National Institute of Geophysics and Volcanology (Italy)	- Marine Institute	emso-eu.org

Sub Programme	Date	Project Acronym	Project Title	Lead Partner	Irish Partners	Project Website (url)
Capacities: Research Infrastructures	2008-2010	Euro-Argo	European contribution to Argo Programme	French Research Institute for the Exploitation of the Sea (France)	- Marine Institute	euro-argo.eu/
Capacities: Research Infrastructures	2008-2012	EUROFLEETS	Towards an Alliance of European research fleets	French Research Institute for the Exploitation of the Sea (France)	- Marine Institute	eurofleets.eu
Capacities: Research Infrastructures	2013-2017	EUROFLEETS 2	New operational steps towards an alliance of European research fleets	French Research Institute for the Exploitation of the Sea (France)	- Marine Institute	In Development
Capacities: Research Infrastructures	2013-2017	FX03	Fix Point Open Ocean Observatories	Natural Environmental Research Council (United Kingdom)	- Marine Institute	In Development
Capacities: Research Infrastructures	2009-2013	GEO-SEAS	Pan-European Infrastructure for Management of Marine and Ocean Geological and Geophysical Data	National Environment Research Council NERC (United Kingdom)	- Geological Survey of Ireland - University College Cork	geo-seas.eu/
Capacities: Research Infrastructures	2010-2013	JERICO	Marine Observatory for the Study of Anthropogenic and Climate Impacts in Temperate Coastal Waters	French Research Institute for the Exploitation of the Sea (France)	- Marine Institute	jerico-tp7.eu/
Capacities: Research Infrastructures	2008-2012	KM3NET-FPP	Preparatory phase for a deep sea facility in the Mediterranean for neutrino astronomy and associated sciences	National Institute of Nuclear Physics (Italy)	- Dublin Institute for Advanced Studies (DIAS)	km3net.org
Capacities: Research Infrastructures	2010-2013	MaRINET	Marine Renewables Infrastructure Network for Energy Technologies	University College Cork (Ireland)	- University College Cork - Sustainable Energy Authority of Ireland	tp7-marinet.eu/
Capacities: Research Infrastructures	2008-2012	PESI	A Pan-European species directories infrastructure	University of Amsterdam (Netherlands)	- National University of Ireland, Galway	eu-nomen.eu/pesi/
Capacities: Research Infrastructures	2011-2015	SeaDataNet-II	Pan-European Infrastructure for Ocean and Marine Data Management	French Research Institute for the Exploitation of the Sea (France)	- Marine Institute	seadatanet.org
Capacities: Research Infrastructures	2011-2012	SIDERI	Strengthening International Dimension of Euro-Argo Research Infrastructure	French Research Institute for the Exploitation of the Sea (France)	- Marine Institute - EU-Projects-Contribution	euro-argo.eu/ SIDERI/
Capacities: Science in Society	2012-2015	MARLISCO	Marine Litter in Europe Seas: Social Awareness and Co-Responsibility	Provincia di Teramo (Italy)	- University College Cork	marlisco.eu
Capacities: Science in Society	2012-2015	SFS	Sea for Society	Nausicaa Aquarium: National Sea Centre at Boulogne-sur-Mer (France)	- AqualTT - Marine Institute - National University of Ireland-Galway	seaforsociety.eu

Sub Programme	Date	Project Acronym	Project Title	Lead Partner	Irish Partners	Project Website (url)
Capacities: Regions of Knowledge	2012-2015	REM-CAP	Resource Efficient Maritime Capacity	Marine South East (United Kingdom)	- Cork Institute of Technology - The Cork Chamber - South-West Regional Authority	rmc.ie/remcap
People: Marie Curie	2012-2016	AcciPhot	Environmental Acclimation of Photosynthesis	University Court of the University of Aberdeen (United Kingdom)	- Dairh O'Murchu Marine Research Centre	acciphot.eu
People: Marie Curie	2008-2012	AIRSEA	Air-sea fluxes of climatically relevant gases in the marine atmospheric boundary layer	National University of Ireland, Galway (Ireland)	- National University of Ireland, Galway	cordis.europa.eu/projects/rcn/67295_en.html
People: Marie Curie	2008-2010	ALGETOX	Chemistry and chemical biology of lipophilic algal toxins	National Veterinary Institute (Norway)	- Marine Institute	cordis.europa.eu/projects/rcn/67295_en.html
People: Marie Curie	2012-2014	Alma-Mater	Absorption of light, macro-algae and the atmosphere	University College Cork (Ireland)	- University College Cork	cordis.europa.eu/projects/rcn/103519_en.html
People: Marie Curie	2011-2015	AQUAPHAGE	Network for the development of phage therapy in aquaculture	Hellenic Centre for Marine Research (Greece)	- Trinity College Dublin rcn/98392_en.html	cordis.europa.eu/projects/rcn/103519_en.html
People: Marie Curie	2011-2013	CCA	Chronology, Culture and Archaeology – Tree analysis and fine resolution sequencing	University College Dublin (Ireland)	- University College Dublin	cordis.europa.eu/projects/rcn/99007_en.html
People: Marie Curie	2013-2015	HERPISH	Herpes virus in fish systems and identification of resistant stocks	University College Cork (Ireland)	- University College Cork	In Development
People: Marie Curie	2008-2012	MABFUEL	Marine Algae as Biomass for Biofuel	Dairh O'Murchu Marine Research (Ireland)	- Green Biocuels Ltd - Dundalk Institute of Technology - Dairh O'Murchu Marine Research	mabfuel.eu/
People: Marie Curie	2013	OCEANET	Offshore Renewable Energy Training Network	WAVEC (Portugal)	- University College Cork	In Development
People: Marie Curie	2011	Sea2Sky	Linking Marine, Atmospheric and Astronomical Researchers to the General Public	National University of Ireland, Galway (Ireland)	- Marine Institute - National University Galway	sea2sky.ie/wordpress/
People: Marie Curie	2012	Sea2Sky 2	Linking Marine, Atmospheric and Astronomical Researchers to the General Public	National University of Ireland, Galway (Ireland)	- Cosmos Education Limited - LBG-Blackrock Castle Observatory - Marine Institute - Galway Aquarium	sea2sky.ie/wordpress/
People: Marie Curie	2008-2012	WAVETRAIN II	Initial training network for wave energy research professionals	Wave Energy Centre (Portugal)	- University College Cork	wavetrain2.eu/
Horizontal Action: International Cooperation (INCO)	2011-2014	FORCE	Fishing and aquaculture-Oriented Research Capacity in Egypt	National Institute of Oceanography and Fisheries (Egypt)	- AqualTT	forceproject.eu
Ideas: European Research Council (ERC)	2012-2016	Multiwave	Multidisciplinary Studies of Extreme and Rogue Wave Phenomena	The French National Centre for Scientific Research (France)	- University College Dublin	ercmultiwave.eu



Marine Institute
Foras na Mara

www.marine.ie

HEADQUARTERS

Marine Institute
Rinville
Oranmore
Co. Galway
Tel: +353 91 387 200
Fax: +353 91 387 201
Email: institute.mail@marine.ie

MARINE INSTITUTE REGIONAL OFFICES AND LABORATORIES

Marine Institute
80 Harcourt Street
Dublin 2
Tel: +353 1 476 6500
Fax: +353 1 478 4988

Marine Institute
Furnace
Newport
Co. Mayo
Tel: +353 98 42300
Fax: +353 98 42340