

MEDAC Meeting
12 October 2018, Rome

The SEAFAIR project



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NATIONAL INSTITUTE OF OCEANOGRAPHY AND APPLIED GEOPHYSICS

OGS is **an internationally-oriented** public research institute funded and monitored by the Italian Ministry of Education, Universities and Research (MIUR).

OGS' roots date back to the **School of Astronomy and Navigation** founded in Trieste by empress Maria Theresa of Austria in 1753.

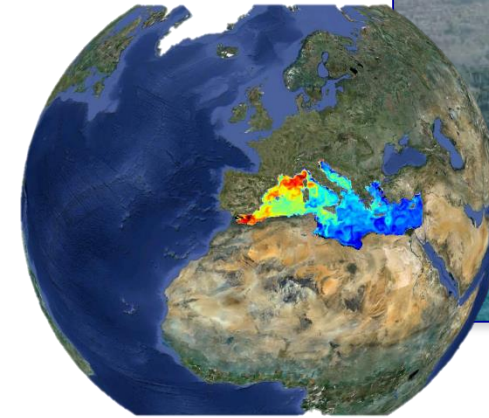


Research Units

Geophysics



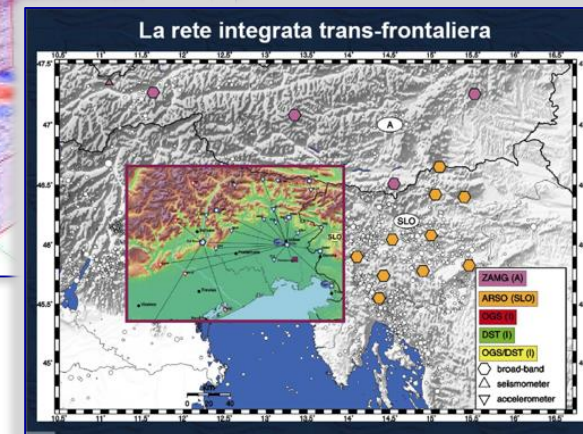
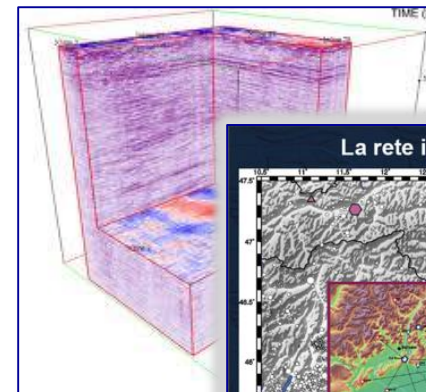
Oceanography



Infrastructures

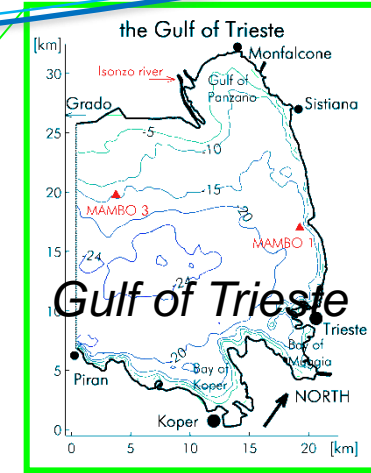
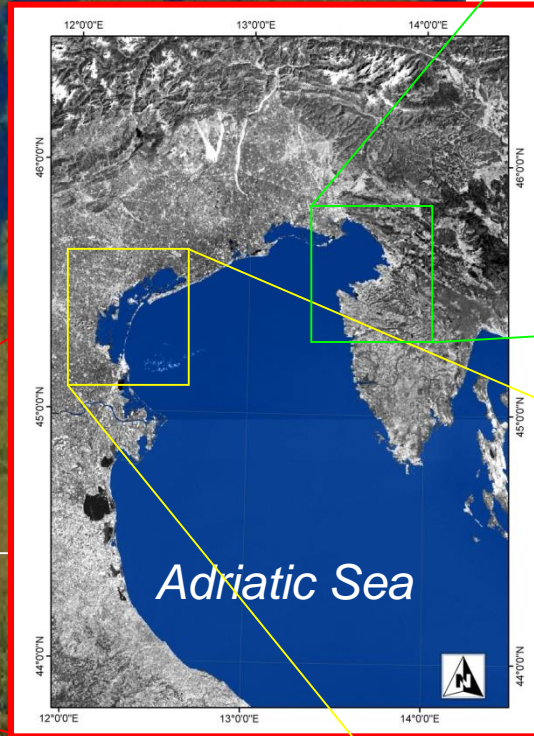
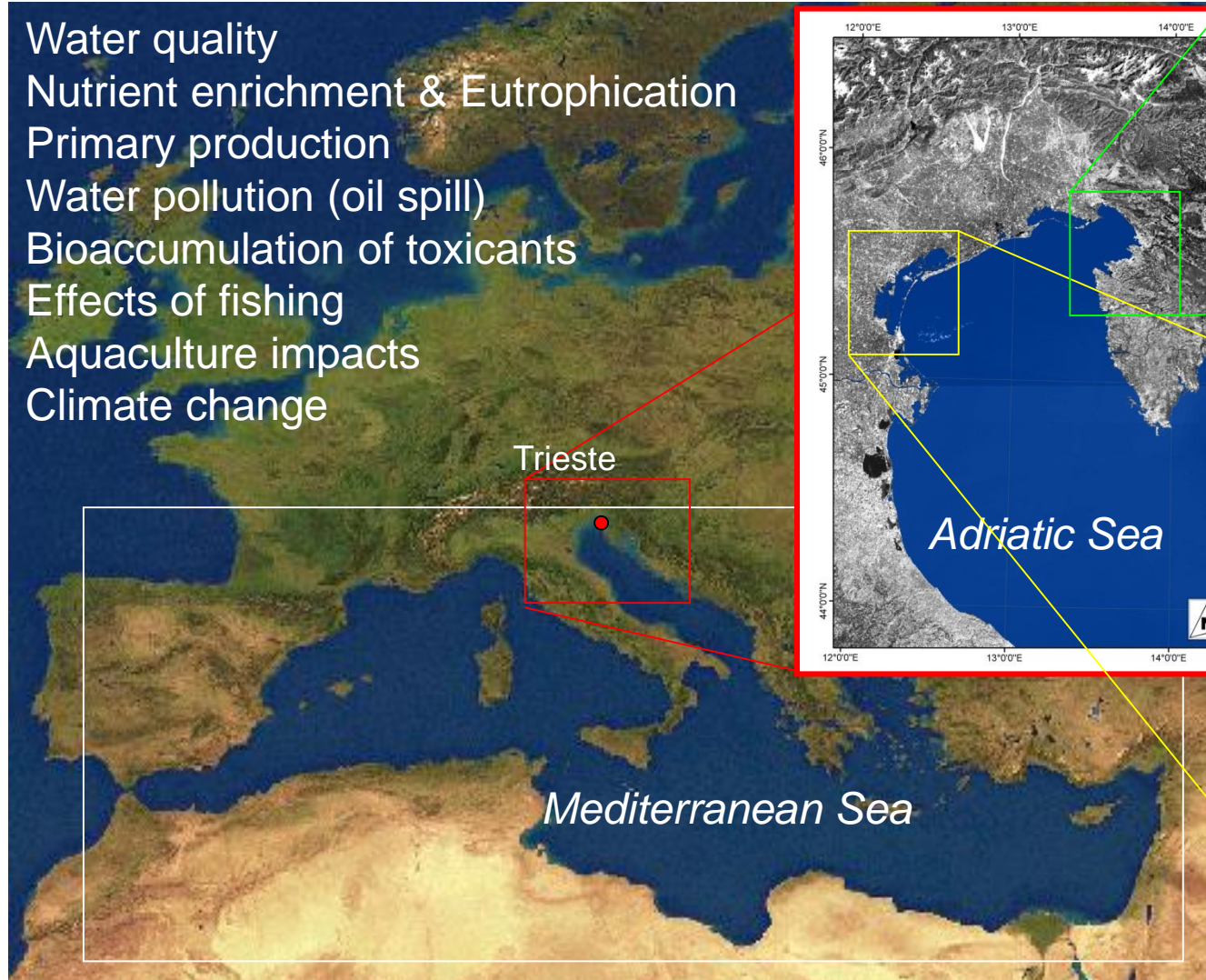


Seismology



Where and why

- Water quality
- Nutrient enrichment & Eutrophication
- Primary production
- Water pollution (oil spill)
- Bioaccumulation of toxicants
- Effects of fishing
- Aquaculture impacts
- Climate change





2014 - 2020 Interreg V-A Italy - Croatia CBC Programme
Call for proposal 2017 Standard

Shared Ecosystem Approach to Fisheries for the Adriatic Region SEAFAIR

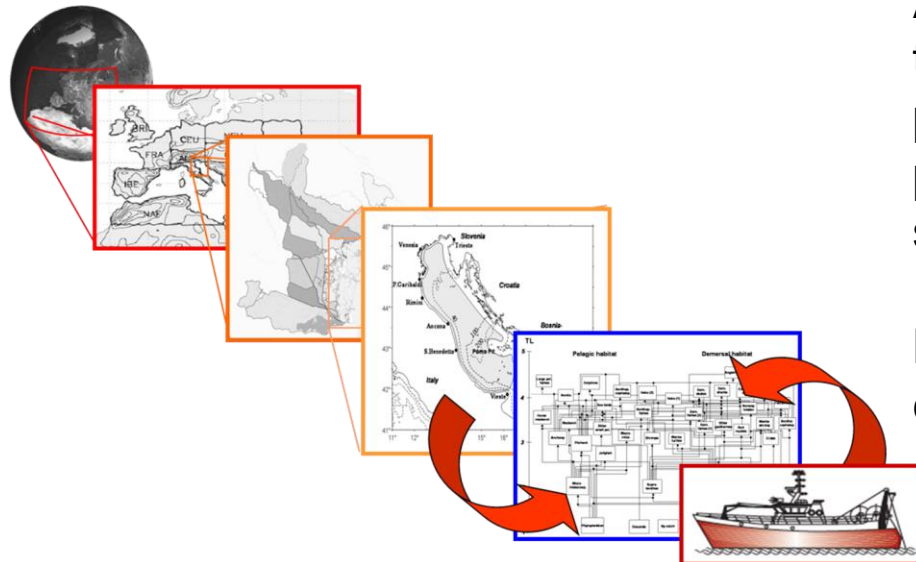
Priority Axis 1 – “BLUE INNOVATION”

Specific Objective 1.1 – “Enhance the framework conditions for innovation in the relevant sectors of the blue economy within the cooperation area”

Shared Ecosystem approach

An harmonized and optimized management, aiming at the increase of fisheries productions in a sustainable framework or at least identifying ways that assure a more economically efficient harvesting of marine resources of the Adriatic Sea .

This can be achieved going beyond single species and single gear approaches, and at the same time moving beyond boundaries.



Application of a transboundary and transdisciplinary approach that integrates physical, biochemical and biological processes with fisheries and its socioeconomic drivers

Moving toward a real application of the ecosystem approach to fisheries

Enhancing transnational capacity and cooperation in the field of an ecosystem approach to fisheries in the Adriatic region by **exchanging knowledge and sharing good practices** among partners. The best way to reach sustainability, in fact, is to **ensure stakeholders' participation in the process that requires time, trust, transparency and efficient steering.**



These efforts are embedded in a **spatially explicit management platform** that will allow to share expertise, create a common pool of knowledge, boost the operational application of the ecosystem approach to fisheries, enhance the competence in complex system dynamics, foster a consensus on the state of the environment and fisheries in the region.

The collective development of the integrated platform will enhance partners' expertise on an approach seldom carried out in the Mediterranean Sea.

Shared Ecosystem Approach to Fisheries for the Adriatic Region

SEAFAIR

2014 - 2020 Interreg V-A
Italy - Croatia CBC Programme
Call for proposal 2017 Standard

Leading partner: OGS
Scientific Responsible: Simone Libralato
Duration: 26 months
Starting: January 2019 end February 2021
Total budget: 2.060.00,00 Euro



SEAFAIR: clearing process

INTERREG V A ITALY - CROATIA PROGRAMME "STANDARD" CALLS FOR PROPOSALS 2017												
RANKING LIST - "STANDARD" CALLS FOR PROPOSALS - PRIORITY AXIS 1												
GENERAL INFO					OUTCOMES QUALITY CHECK				BUDGET			MC DECISION
PA	SO	Acronym	Application code	Lead applicant name	Strategic	Operational	SO	Total Score	Total budget	ERDF	Cumulative ERDF	Selection and financing decision
1	1.1	COASTENERGY	10045844	IRENA - ISTRIAN REGIONAL ENERGY AGENCY LTD.	63	34	18	115	€ 1.827.670,00	€ 1.553.519,50	€ 1.553.519,50	Financed under condition
1	1.1	INVESTINFISH	10042901	T2I – TECHNOLOGY TRANSFER AND INNOVATION S.C.A R.L.	64	31	15	110	€ 1.498.440,00	€ 1.273.674,00	€ 2.827.193,50	Financed under condition
1	1.1	SmArtFish	10045781	VENETO REGION	61	31	18	110	€ 3.254.230,50	€ 2.766.095,92	€ 5.593.289,42	Financed under condition
1	1.1	AdriAquaNet	10045161	UNIVERSITY OF UDINE	57	32	18	107	€ 3.224.009,59	€ 2.740.408,13	€ 8.333.697,55	Financed under condition
1	1.1	ADRIREEF	10045901	MUNICIPALITY OF RAVENNA	56	32	18	106	€ 2.814.830,00	€ 2.392.605,50	€ 10.726.303,05	Financed under condition
1	1.1	SEAFAIR	10046951	OGS (NATIONAL INSTITUTE OF OCEANOGRAPHY AND EXPERIMENTAL GEOPHYSICS)	58	30	14	102	€ 2.060.000,00	€ 1.751.000,00	€ 12.477.303,05	Financed under condition
1	1.1	PRIZEFISH	10043583	ALMA MATER STUDIOURUM - UNIVERSITY OF BOLOGNA	57	29	15	101	€ 3.178.030,00	€ 2.701.325,50	€ 15.178.628,55	Financed under condition
1	1.1	ITACA	10044562	VENETO REGION'S AGENCY FOR THE INNOVATION IN THE PRIMARY SECTOR - VENETO AGRICOLTURA	54	30	15	99	€ 1.744.467,00	€ 1.482.796,94	€ 16.661.425,49	Financed under condition

Financed under conditions!!
Clearing process undergoing

SEAFAIR: the 12 partners

	Acronym	Project partner	Contact(s)/Participants
LP	OGS	National Institute of Oceanography and Experimental Geophysics (Italy)	Simone Libralato Cosimo Solidoro Caterina Fanara Barbara Merson
PP1	IOF	Institute of Oceanography and Fisheries (Split, Croatia)	Nedo Vrgoc Katarina Bozanic
PP2	ASC	Advisory Services Croatia (Croatia)	Lav Bavcevic Danijela Miokovic Kristijan Jelaković Damir Hajplan
PP3	CNR-ISMAR	National Research Council (Ancona, Italy)	Giuseppe Scarcella (A. Santojanni, S. Angelini, I. Leonori) Elisabetta Betulla Morello
PP4	ASSAM	Agenzia Servizi Settore Agro-alimentare delle Marche (Ancona, Italy)	Uriano Meconi Francesca Perretta Cristina Frittelloni
PP5	COISPA	COISPA Tecnologia & Ricerca - Stazione Sperimentale per lo Studio delle Risorse del Mare (Italy)	Maria Teresa Spedicato Giuseppe Lembo
PP6	CONISMA	Consorzio Interuniversitario Scienze per il Mare (Italy)	Tommaso Russo (CONISMA-UNITOR) Roberto Carlucci (CONISMA UNIBA) Corrado Piccinetti (CONISMA-UNIBO) Chiara Manfredi (CONISMA-UNIBO) Maddalena Laggini Antonio Capone
PP7	RERA SD	Public Institution of Split-Dalmatia County (Croatia)	Mihaela Tomasevic Marko Mimica Ivo Benzon
PP8	SUNCE	Association for Nature, Environment and Sustainable Development Sunce, Split (Croatia)	Zrinka Jakl
PP9	VEGAL	Agenzia di sviluppo del Veneto Orientale (Italy)	Paolo Valeri Adriana Bozza
PP10	UNIST	University of Split (Croatia)	Svjetlana Krstulovic Sifner
PP11	MEDAC	Mediterranean Advisory Council (International-Rome)	Marzia Piron Rosa Caggiano

SEAFAIR: the partnership



WP1 (resp: OGS)
Project management and coordination of activities

WP2 (resp: IOF)
Communication activities

WP3 (resp: ASC)
Mapping, benchmarking, sharing and enhancing EAF capabilities

WP4 (resp: CNR)
Implementation of a shared and integrated platform

WP5 (resp: MEDAC)
Decision support system for the development of sustainable fisheries

WP4 (resp: CNR)
Implementation of a shared and integrated platform



The integrated platform will integrate from physics to bioeconomy of fisheries as a state of the art decision support tool.

The platform cornerstone elements are:

- i) water masses circulation and connectivity (module HYDRO) **existing OGS model**
- ii) biogeochemical planktonic processes and productions (module BGC) **operational at OGS**
- iii) distribution of main resources (module BSTAT); **using scientific trawl surveys**
- iv) disaggregated catches and fleet capacity changes over time (module FSTAT);
- v) spatial distribution of effort (module EFFORT); **using scientific VMS/AIS**
- vi) bioeconomic responses (BIOECO); **use of platform BEMTOOL**
- vii) food web dynamics (FWM) **using Ecospace**
- viii) preference modelling (through MCDA – Multicriteria Decision Analysis - methods).

Development and implementation

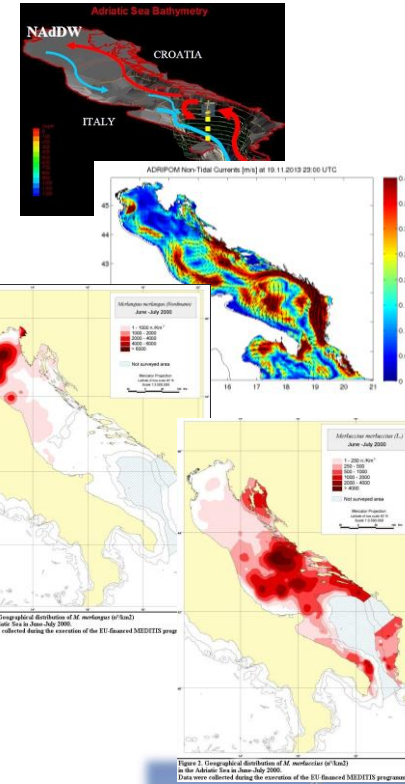
Integration of existing models and available time series (ideally 1990-2015) for all modules

Spatio-temporal validation of biological dynamics (10-20 species) and fisheries activities (VMS)

Socioeconomic activities

Evaluation of key aspects (species, gears, areas) for a sustainable management

Shared development, application and evaluation of scenarios of fishing



WP5: use of the Decision Support Tool

WP5 (resp: MEDAC)
Decision support system for the development of
sustainable fisheries



This WP is dedicated to **the full development of a participatory process for the definition of management scenarios** that will be shaped accounting for the integrated multiple processes embedded in the tool developed in WP4.

WP5 aims at enhancing collaborative and participated definition of management pathways/actions through professional facilitation techniques and the involvement of a range of key stakeholders, particularly fishermen and NGOs, organised in a multi-stakeholder platform, and representatives from all partners.

WP5: MEDAC responsibilities

<p>WP 5 - Decision support system for the development of sustainable fisheries (MEDAC)</p> 	<p>Act 5.1 Planning and organising Adriatic stakeholder events</p>	<p>First international stakeholder meeting (February 2019; Ancona): definition of issues. Second international stakeholder meeting (January 2020, Venezia): quantitative representation. Final international stakeholder meeting (Dicember 2020, Split): evaluation of scenarios. Virtual technical workshops will be organised according to the needs.</p>
	<p>Act 5.2 Pilot actions: identification of conflicts and possible solutions</p> 	<p>Pilot actions will regard at least 3 subareas (Marche region; Veneto Region; Zara region): Close interactions among all the project's actors and stakeholders are foreseen also to design the pilot actions and discuss the resulting potential impact, through professional facilitation techniques. Report on the resulting scenarios of application of local management measures (November 2020)</p>
	<p>Act 5.3 Implementation of scenarios of fisheries policy application in the Adriatic</p> 	<p>Report on the results from the application of scenarios for fisheries management in the Adriatic Region (November 2020). The report will be presented in the final stakeholder's event.</p>
	<p>Act 5.4 Best practices and guidelines emerging from SEAFAIR</p>	<p>Report on best practices for developing an EAF from SEAFAIR experience (December 2020). A participatory framework based on the results of the decision support system implemented in this WP will be proposed. Guidelines for potential future implementation of the EAF using SEAFAIR products (February 2021)</p>

MEDAC expected contributions



WP involving MEDAC		2019												2020												2021		
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	
WP 0 - Project preparation	Do																											
WP 1 - Project management and coordination of activities	Act 1.1 Start-up activities Act 1.2 Day-to-day project management, coordination and internal communication Act 1.3 Steering and monitoring of the project implementation Act 1.4 Financial management																											Split
WP 2 - Communication activities	Act 2.1 Start-up activities including communication strategy Act 2.4 Events Act 2.5 Media relation and publications	Trieste																										
WP 3 - Mapping, benchmarking, sharing and enhancing EAF	Act 3.4 Sharing the vision and knowledge beyond partnership							Split									Ancona											
WP 4 - Implementation of a shared and integrated platform	Act 4.8 Development of an integrated platform for an Ecosystem Approach to Fisheries																											
WP 5 - Decision support system for the development of sustainable fisheries	Act 5.1 Planning and organising Adriatic stakeholder events Act 5.2 Pilot actions: identification of conflicts and possible solutions Act 5.3 Implementation of scenarios of fisheries policy application in the Adriatic Act 5.4 Best practices and guidelines emerging from SEFAIR		Ancona													Venezia											Split	

Budget of the project

Partner role/number	Partner name (EN)	Partner country	ERDF	National cofinancing	Budget
LP	OGS (NATIONAL INSTITUTE OF OCEANOGRAPHY AND EXPERIMENTAL GEOPHYSICS)	ITALY	€ 427.006,00	€ 75.354,00	€ 502.360,00
PP1	INSTITUTE OF OCEANOGRAPHY AND FISHERIES	CROATIA	€ 137.904,00	€ 24.336,00	€ 162.240,00
PP2	ADVISORY SERVICE PUBLIC INSTITUTION FOR ADVISORY ACTIVITIES IN AGRICULTURE, RURAL DEVELOPMENT, FISHERIES AND FOREST MANAGEMENT	CROATIA	€ 110.840,00	€ 19.560,00	€ 130.400,00
PP3	NATIONAL RESEARCH COUNCIL	ITALY	€ 130.050,00	€ 22.950,00	€ 153.000,00
PP4	ASSAM - AGENCY FOR AGROFOOD SECTOR SERVICES OF MARCHE	ITALY	€ 102.850,00	€ 18.150,00	€ 121.000,00
PP5	COISPA RESEARCH & TECHNOLOGY	ITALY	€ 141.610,00	€ 24.990,00	€ 166.600,00
PP6	NATIONAL INTERUNIVERSITY CONSORTIUM FOR MARINE SCIENCES	ITALY	€ 221.850,00	€ 39.150,00	€ 261.000,00
PP7	PUBLIC INSTITUTION RERA SD FOR COORDINATION AND DEVELOPMENT OF SPLIT-DALMATIA COUNTY	CROATIA	€ 106.420,00	€ 18.780,00	€ 125.200,00
PP8	ASSOCIATION FOR NATURE, ENVIRONMENT AND SUSTAINABLE DEVELOPMENT SUNCE	CROATIA	€ 89.250,00	€ 15.750,00	€ 105.000,00
PP9	LAG EASTERN VENICE	ITALY	€ 83.300,00	€ 14.700,00	€ 98.000,00
PP10	UNIVERSITY OF SPLIT	CROATIA	€ 84.150,00	€ 14.850,00	€ 99.000,00
PP11	ADVISORY COUNCIL FOR THE MEDITERRANEAN	ITALY	€ 115.770,00	€ 20.430,00	€ 136.200,00
Project budget - summary			€ 1.751.000,00	€ 309.000,00	€ 2.060.000,00

Thank you!

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