



Consiglio Nazionale delle Ricerche

Istituto di Metodologie per l'Analisi Ambientale



**The participation of the
Institute of Methodologies for Environmental Analysis
in HORIZON 2020**

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Sintesi

A due anni dall'avvio dei primi bandi del più grande e importante programma di ricerca e innovazione europeo, HORIZON 2020, la Commissione Europea nel luglio 2015 ha pubblicato i primi risultati sulla partecipazione al programma quadro. Si evince un'elevatissima partecipazione a livello europeo a fronte però di un tasso di successo medio del 14%. L'Italia si pone ai primi posti come numero di proposte eleggibili sottomesse, ma il numero di progetti approvati e finanziati è ancora molto basso, inferiore al valore medio europeo.

In tale inquadramento, il presente report si propone di descrivere la partecipazione dell'Istituto di Metodologie per l'Analisi Ambientale (IMAA) del Consiglio Nazionale delle Ricerche (CNR) a questo primo biennio di programmazione europea. Il CNR-IMAA si è aggiudicato 5 progetti stipulando contratti attivi di circa 2 milioni di Euro, con un tasso di successo di circa il doppio della media nazionale. Tali progetti finanziati in HORIZON 2020 vedono il CNR-IMAA ricoprire sia il ruolo di partecipante che di coordinatore in collaborazione con partner internazionali appartenenti al mondo accademico, di ricerca ed industriale. Anche nel contesto del programma COSME "Programma per la competitività delle imprese e delle Piccole e Medie Imprese", l'Istituto ha preso parte di recente ad un progetto teso a rafforzare la partnership dei Cluster Tecnologici su alcuni temi di interesse strategico in Europa.

Questi primi successi in HORIZON 2020 confermano la capacità del CNR-IMAA di competere a livello europeo ed un costante trend di crescita, sia in termini di risorse umane che di Infrastrutture di Ricerca. Il CNR-IMAA è un istituto che afferisce al Dipartimento di Scienze per il Sistema Terra e tecnologie per l'Ambiente del CNR (DTA-CNR), ha una unica sede localizzata in Regione Basilicata con uno staff costituito da 86 unità di personale e circa 50 tra borsisti, assegnisti e dottorandi. Attualmente il CNR-IMAA rappresenta la più alta concentrazione a livello nazionale di ricercatori nel settore delle Osservazioni della Terra (www.ima.cnr.it).

Partendo dal contesto europeo e dai primi risultati sulla partecipazione ai primi bandi della Commissione Europea, il presente documento mostra la partecipazione del CNR-IMAA in HORIZON 2020 e COSME. Sono parti integranti due appendici, "Annex A" e "Annex B". Nell'"Annex A" è riportata la lista dei progetti finanziati con la relativa descrizione sintetica di ciascun progetto, nell'"Annex B" è riportata la lista delle proposte eleggibili valutate idonee rispetto al punteggio minimo, ma non finanziate.

Abstract

The biggest European Research and Innovation programme HORIZON 2020 started two years ago, funding the most innovative and competitive ideas and projects addressed to reach a smart, sustainable and inclusive growth in Europe. The first phase of HORIZON 2020 is going to be concluded with the launch of the final calls of the biannual work-programme 2014-2015. The preliminary results on the participation in the first 100 calls of HORIZON 2020 show a massive participation characterized anyway by a too low success rate of eligible full proposals which is around 14%. Italy shows a success rate still below the average.

Up to now, the Institute of Methodologies for Environmental Analysis (IMAA) of the National Research Council (CNR) of Italy has already recorded n.5 projects approved and funded under HORIZON 2020, with an European financial contribution to CNR-IMAA of about 2 Mil. Euro and a success rate which is about twice the national Italian average. CNR-IMAA played the role of partners as well as coordinator in international partnership constituted by academic, research and industrial partner. Even in COSME, the European programme for the Competitiveness of Enterprises and Small and Medium-sized Enterprises, CNR-IMAA has obtained a funding in a project addressed to create an European Strategic Cluster Partnership.

These preliminary successful data testify the effective ability of CNR-IMAA's researchers to be competitive at European level and the positive growth trend, both in terms of human resources and Research Infrastructures. CNR-IMAA is characterised by the highest concentration of researchers in a single "CNR Research Area" within the network of the Department of Science for Earth System and Environmental Technologies with a high percentage of young researchers. The IMAA headquarters is located in the Basilicata region. To-date, the permanent staff includes 86 people, whereas the non-permanent includes more than 50 people. This result has been obtained by means of a continuous and effective research policy aimed at improving the attractiveness of top talents and young scientists in Earth Observation and Environmental Sciences.

This report consists of a general part describing first HORIZON 2020 and the preliminary results, then the participation of CNR-IMAA in HORIZON 2020 and COSME, and finally two annexes: annex A and annex B. Annex A reports the list of the projects granted to funding, a brief description of each project and the related general information. Annex B reports the list of the eligible proposals submitted to H2020 and evaluated with a score above the threshold.

HORIZON 2020: the programme and the first results

Horizon 2020 is the biggest EU Research and Innovation programme ever started two years ago, with the challenging aim to contribute to reach a *smart, sustainable and inclusive growth in Europe* funding the most innovative and competitive ideas and projects. Horizon 2020 is the financial instrument implementing the Innovation Union, a Europe 2020 flagship initiative aimed at securing Europe's global competitiveness. Horizon 2020 aims to cover the full value chain, from frontier research, to technological development, demonstration, valorization of results and innovation. Compared to the previous Framework Programme, in Horizon the funding schemes have been substituted by the so called “actions”.

H2020 is structured in three main pillars: *Excellent Science, Industrial Leadership and Societal Challenges*, and integrated with 5 horizontal initiatives, which are Euratom, Joint Research Center, Science with and for Society, Spreading Excellence and Widening Participation and finally the European Institute of Innovation and Technology (EIT). The overall structure is reported in figure 1.

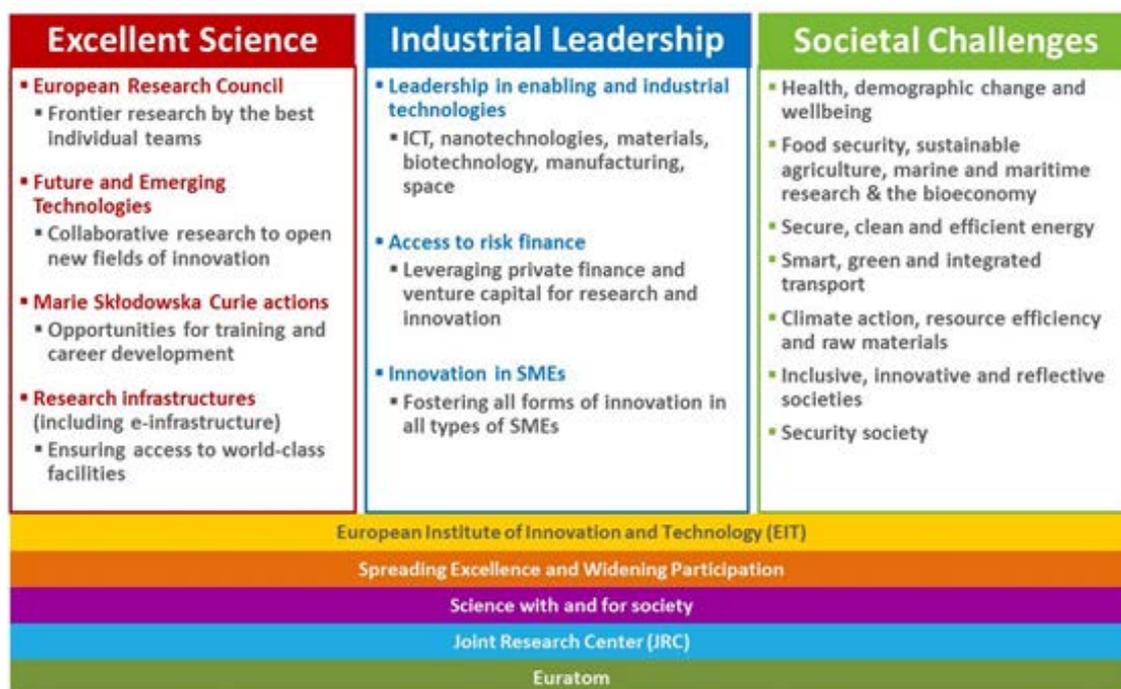


Figure 1: Structure of Horizon 2020

The total budget of Horizon 2020 (including the Euratom nuclear research programme) in current prices is nearly €80 billion and in constant prices €70.2 billion for 7 years. The repartition of the budget on each programme is shown in the figure 2.

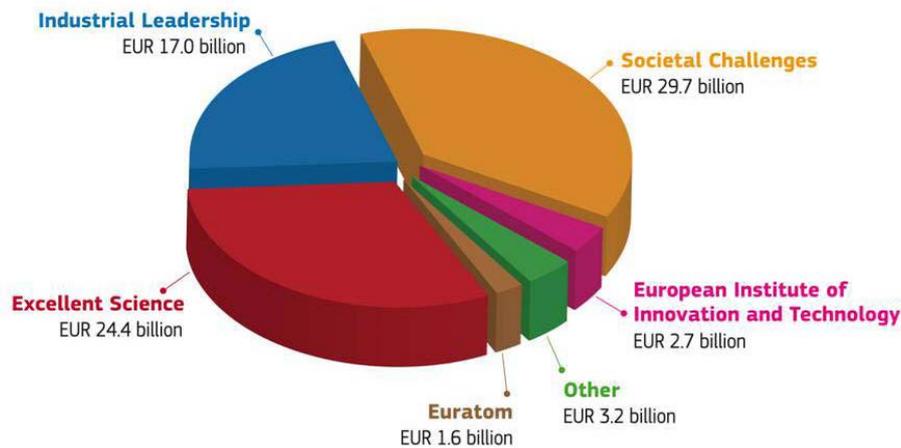


Figure 2: Budget for each programme

On the basis of the first results, published by the European Commission in 2015¹, the number of proposals received in total was 31.115, out of which 4.315 proposals were retained for funding; therefore, the overall **success rate** of eligible full proposals is around **14%**. Data referred to proposals submitted up to 1st December 2014 for a total of 100 calls closed by that date. The number of eligible applications per European Member States testifies how much some European contraries are active and how more recent member states are coping with this new research and innovation programme (Fig.3 - from “Horizon 2020 – First Results”, European Commission 2015).

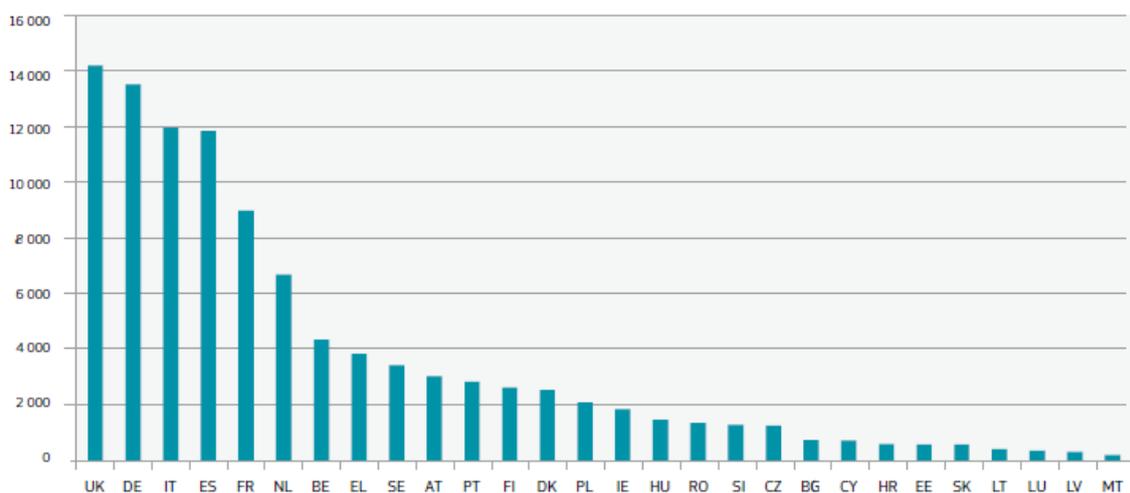


Figure 3 – Number of eligible applications to Horizon 2020 per EU Member States

¹ “Horizon 2020 – First Results” (2015) – European Commission, doi:10.2777/718503, https://ec.europa.eu/programmes/horizon2020/sites/horizon2020/files/horizon_2020_first_results.pdf.

Italy falls among the first Member States as number of eligible applications anyway the success rate is still below the average, being less than 12% (Fig. 4).

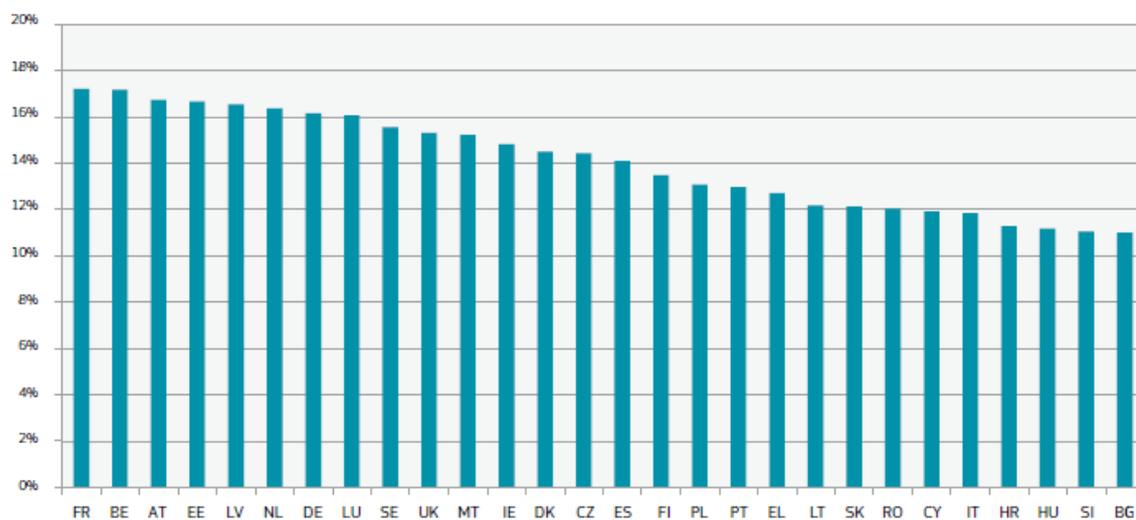


Figure 4 – Success rate for application to Horizon 2020 per EU Member States

CNR-IMAA in HORIZON 2020: the projects approved and funded

In this first phase of HORIZON 2020 related to the biannual work-programme 2014-2015, the Institute of Methodologies for Environmental Analysis (IMAA) of the National Research Council (CNR) of Italy has submitted 19 eligible applications to Horizon 2020, out of which n.5 were successfully granted to funding, n.7 were evaluated with a score above the threshold but were not funded, and the rest obtained a score below the threshold. Up to now, on the basis of these preliminary results, CNR-IMAA has recorded a success rate of about 26% in the participation in Horizon 2020.

Besides those projects, n.1 project was granted to funding under the programme for the Competitiveness of Enterprises and Small and Medium-sized Enterprises (COSME). COSME programme is improving access to finance for SMEs through two financial instruments that have been available since August 2014: the Loan Guarantee Facility and the Equity Facility for Growth. COSME has a budget of over EUR 1.3 billion to fund these financial instruments that facilitate access to loans and equity finance for SMEs where market gaps have been identified.

As regards the projects granted to funding in H2020, n.2 fall in Excellent Science (INFRA theme), n.1 in Industrial Leadership (Earth Observation theme) and n.2 in Spreading excellence and widening participation (Twinning theme).

CNR-IMAA plays the role of Coordinator for n.1 project out of 5.

The list of all funded projects is reported in the table below, where the status of the project as well as the role of CNR-IMAA are present.

Table 1- List of the projects granted to funding in HORIZON 2020 and in COSME

	Project Acronym	Project Title	Participant Role of CNR-IMAA	Status
HORIZON 2020	GAIA-CLIM	Gap Analysis for Integrated Atmospheric ECV CLimate Monitoring	Partner	Ongoing
	ACTRIS-2	Aerosols, Clouds, and Trace Gases Research InfraStructure	Coordinator	Ongoing
	ENVRIPUS	Environmental Research Infrastructures providing shared solutions for science and society	Partner	Ongoing
	ATHENA	Remote Sensing Science Center for Cultural Heritage	Partner	Ongoing
	ECARS	East European Centre for Atmospheric Remote Sensing	Partner	Ongoing
COSME	SPACE2ID	Space Clusters International Industrial Diversification	Partner	Ongoing

In the Annex A, a brief description of each project is provided. General information including the reference call, the type of action, the duration, the actual status of the project, the project cost, the content and the reference contact of the project are reported. Besides these general information, data about the participation in each call are reported on the basis of the “Flash call info” document. This document is available for each call closed for which the evaluation process has been finalized. It provides details on the number of proposals evaluated above the threshold and number of proposals submitted for each call.

ANNEX A

List of CNR-IMAA projects granted to funding



GAIA-CLIM

Gap Analysis for Integrated Atmospheric ECV CLimate Monitoring

First successful results about the participation of CNR-IMAA in Horizon 2020 have been recorded at the beginning of 2015 with the submission and the approval of GAIA-CLIM project under the call ““Earth Observation-2014”. It was submitted under the call EO-3-2014 “Observation capacity mapping in the context of Atmospheric and Climate change monitoring” under “Earth Observation-2014” where n.3 proposals out of n.3 proposals submitted have received an evaluation score above the applicable threshold.

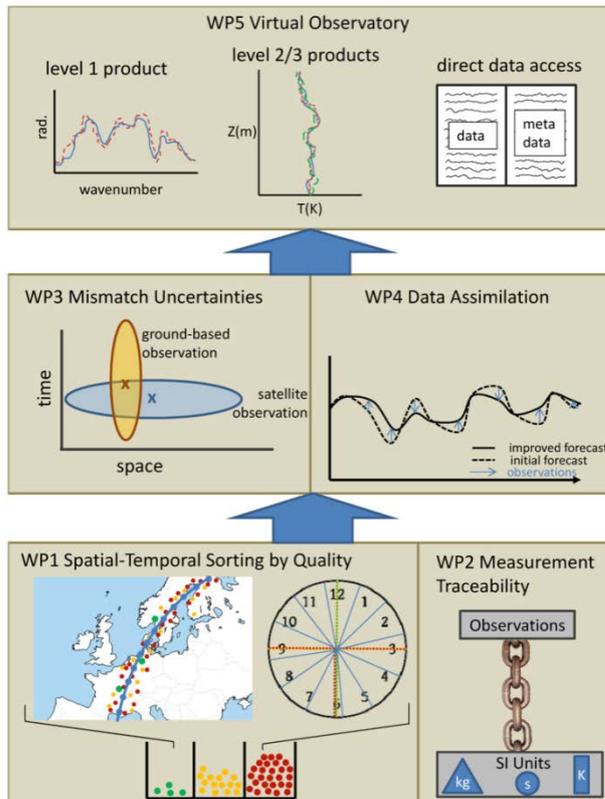
General information

HORIZON 2020	
Title	Gap Analysis for Integrated Atmospheric ECV CLimate Monitoring
Project Acronym	GAIA-CLIM
Reference call	EO-3-2014 'Observation capacity mapping in the context of Atmospheric and Climate change monitoring'
Type of action	Research and Innovation Action
Duration	36 months
Starting date	1 st March 2015
Status	ongoing
Project cost	5.999.726,25 Euro
IMAA's budget	426.250,00 Euro
Role of CNR-IMAA	Partner
Responsible for CNR-IMAA	Fabio Madonna
Website	http://www.gaia-clim.eu/

CONTENT

The GAIA-CLIM (Gap Analysis for Integrated Atmospheric ECV CLimate Monitoring) project has been funded in the frame of the call EO-3-2014 'Observation capacity mapping in the context of Atmospheric and Climate change monitoring' of EU framework program for Research and innovation Horizon 2020. The project sees 21 partners involved, including European institutions, met service and US partners, such as ECMWF, MetOffice, NOAA, under the coordination of NERSC (Nansen Environmental and Remote Sensing Center).

The project will develop appropriate methods to map reference quality comparators onto EO measurements. It will document gaps in the current observing system and all aspects of measurement uncertainty mapping, and propose strategies to address these including



recommendations regarding future funding of surface and sub-orbital observing capabilities to meet long term EO comparator needs. Finally, it will develop tools to aid end users through a 'virtual observatory'. The project will significantly increase the quality and use of ground based data for validation of satellite sensors and climatological models, with relapses of considerable interest for several sectors (climate, ocean monitoring and extreme events, land conservation, ...) and end users (meteorological services, civil protection, space agencies, environmental agencies, ...).

ACTRIS-2

Aerosols, Clouds, and Trace Gases Research InfraStructure



The project ACTRIS-2 was one of the 18 projects funded under the call INFRAIA-2014-2015 “Integrating and Opening Research Infrastructures of European Interest”, where 60 proposals were submitted and 47 out of these were evaluated with a score above the threshold. The project is coordinated by CNR-IMAA and involves 31 partners belonging to Universities and Research Centres from all 20 European countries. The project is a successful follow-up of ACTRIS “Aerosols, Clouds, and Trace gases Research Infrastructure Network” project, funded under the Seventh Framework Programme, on the call INFRA-2010-1-1.1.16: Research Infrastructures for Atmospheric Research.

In the project consortium the CNR Department of Earth System Science and Environmental Technologies is involved with two institutes: IMAA and ISAC “Institute of Atmospheric Sciences and Climate”.

General information

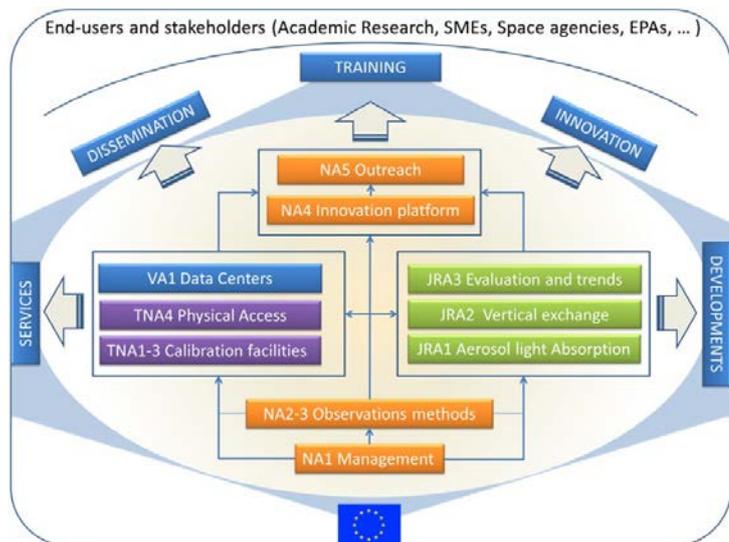
HORIZON 2020	
Title	Aerosols, Clouds, and Trace Gases Research InfraStructure
Project Acronym	ACTRIS-2
Reference call	INFRAIA-2014-2015 “Integrating and Opening Research Infrastructures of European Interest
Type of action	Research and Innovation Action
Duration	48 months
Starting date	1 st May 2015
Status	Ongoing
Project cost	10.126.484,54 Euro
IMAA’s budget	911.846,00 Euro
Role of CNR-IMAA	Coordinator
Responsible for CNR-IMAA	Gelsomina Pappalardo
Website	http://actris2.nilu.no/Projects/ACTRIS2IAinH2020(20152019).aspx

CONTENT

ACTRIS-2 is the pan-European initiative for coordinating long-term observations of aerosols, clouds, and short lived gases from the ground.

The objective of ACTRIS-2 is to consolidate the construction of a unique user-oriented Research Infrastructure initiated more than 15 years ago for providing 4-D integrated high-quality data from near-surface to high altitude (vertical profiles and total-column), relevant to climate and air-quality research. ACTRIS-2 is a European contribution to the Global Atmosphere Watch program of the World Meteorological Organisation (WMO-GAW) and the research component of the European Monitoring and Evaluation Programme (EMEP). It supports European activities of the AErosol RObotic NETwork (AERONET). ACTRIS-2 activities also support the strategic priorities of the intergovernmental Group on Earth Observations (GEO) and develop synergies with national initiatives.

The distributed observation platforms of ACTRIS-2 are located both in Europe and outside and will improve systematic and timely collection, processing and distribution of data and results for use in modeling, in particular towards implementation of atmospheric and climate services. ACTRIS-2 pursues the following targets:



- Maintaining and increasing the availability of long-term observational data relevant to climate and air-quality research on the regional scale
- Continuing to develop and disseminate integration tools to fully exploit the use of multiple atmospheric techniques at ground-based stations, for the calibration/validation/integration of satellite sensors and for the improvement of the parameterizations used in global and regional-scale climate and air-quality models
- Opening calibration facilities and advanced observing platforms to Trans-National Access for the benefit of a large user community including SMEs, and further facilitating virtual access to high-quality information, products and services enhancing the ACTRIS Data Centre
- Maintaining and enhancing the capacity of training in the field of atmospheric observations particularly directed to young scientists and researchers from non-EU developing countries
- Promoting innovation potential and technological standardization with European SMEs for transfer of observation technologies and methods
- Developing a sustainable strategy for maintaining ACTRIS-services in the long term.

ENVRIPLUS

Environmental Research Infrastructures providing shared solutions for science and society

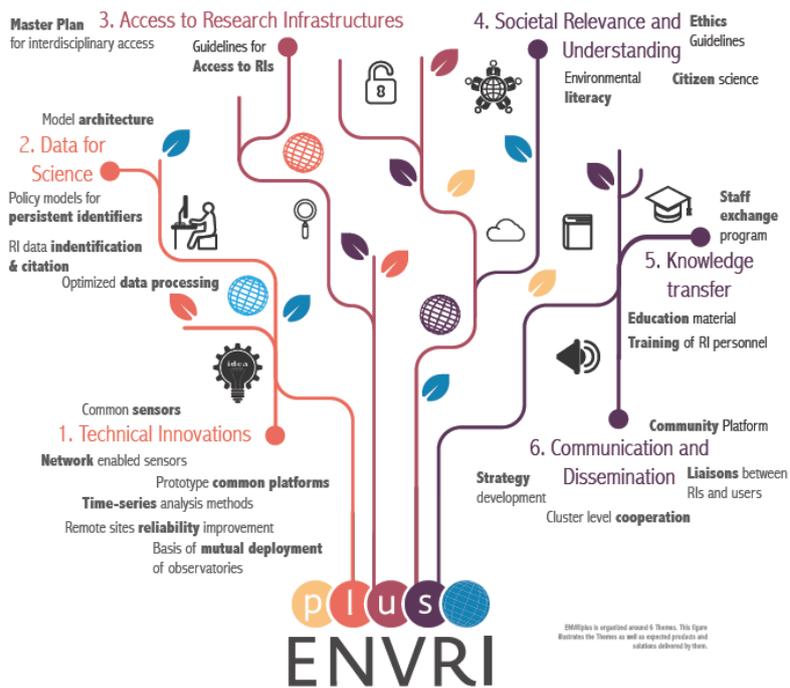
The project ENVRIPLUS was one out of 12 proposals submitted to the call INFRADEV4-2014-2015 and among the 8 projects funded under the call INFRADEV4-2014-2015 “Implementation and operation of cross-cutting services and solutions for clusters of ESFRI and other relevant research infrastructure initiatives” in “Research Infrastructures – INFRA” programme. CNR-IMAA is participating in ENVRIPLUS as partner together with the Institute of Atmospheric Sciences and Climate (CNR-ISAC), the Institute of Biometeorology (IBIMET-CNR) and the Institute of Information Science and Technologies “A. Faedo” (CNR-ISTI).

General information

HORIZON 2020	
Title	Environmental Research Infrastructures providing shared solutions for science and society
Project Acronym	ENVRIPLUS
Reference call	INFRADEV4-2014-2015 Implementation and operation of cross-cutting services and solutions for clusters of ESFRI and other relevant research infrastructure initiatives
Type of action	Research and Innovation Action
Duration	48 months
Starting date	1 st May 2015
Status	Ongoing
Project cost	14.998.034,25 Euro
EU contribution	14.683.534,25 Euro
IMAA’s budget	332.750,42 Euro
Role of CNR-IMAA	Partner
Responsible for CNR-IMAA	Gelsomina Pappalardo
Website	http://www.envriplus.eu/

CONTENT

ENVRIPLUS is a cluster of research infrastructures (RIs) for Environmental and Earth System sciences, built around ESFRI roadmap and associating leading e-infrastructures and Integrating Activities together with technical specialist partners. ENVRIPLUS is driven by 3 overarching goals:



1) favoring cross-fertilization between infrastructures, 2) implementing innovative concepts and devices across RIs, and 3) facilitating research and innovation in the field of environment to an increasing number of users outside the RIs. ENVRIPUS organizes its activities along a main strategic plan where sharing multi-disciplinary

expertise will be most effective. It aims to improve Earth observation monitoring systems and strategies, including actions towards harmonization and innovation, to generate common solutions to many shared information technology and data related challenges, to harmonize policies for access and provide strategies for knowledge transfer amongst RIs. ENVRIPUS develops guidelines to enhance trans-disciplinary use of data and data-products supported by applied use-cases involving RIs from different domains. ENVRIPUS coordinates actions to improve communication and cooperation, addressing Environmental RIs at all levels, from management to end-users, implementing RI-staff exchange programs, generating material for RI personnel, and proposing common strategic developments and actions for enhancing services to users and evaluating the socio-economic impacts. ENVRIPUS is expected to facilitate structuration and improve quality of services offered both within single RIs and at pan-RI level. It promotes efficient and multi-disciplinary research offering new opportunities to users, new tools to RI managers and new communication strategies for environmental RI communities. The produced solutions, services and other project results are made available to all environmental RI initiatives, thus contributing to the development of a consistent European RI ecosystem.

ATHENA

Remote Sensing Science Center for Cultural Heritage

ATHENA was funded under the call for Twinning 2015 where 321 out of 552 proposals have been evaluated above the threshold. The project ATHENA started in December 2015 within the programme Spreading excellence and widening participation. CNR-IMAA participated in the project together with the Institute of Archaeological and Architectural Heritage of the National Research Council of Italy (CNR-IBAM)

General information

HORIZON 2020	
Title	Remote Sensing Science Center for Cultural Heritage
Project Acronym	ATHENA
Reference call	CALL FOR TWINNING - H2020-TWINN-2015
Type of action	Coordination and Support Action (CSA)
Duration	36 months
Starting date	1 st December 2015
Status	Ongoing
Project cost	972.841,25 Euro
CNR's budget	176.250,00 Euro
IMAA's budget	88.125,00 Euro
Role of CNR-IMAA	Partner
Responsible for CNR-IMAA	Rosa Lasaponara

CONTENT

The "ATHENA" proposal aims to establish a Center of Excellence in the field of Remote Sensing for Cultural Heritage in the areas of Archaeology and Cultural Heritage through the development of an enhanced knowledge base and innovative methods. This center will be established by twinning the existing Remote Sensing and Geo-environment Research Laboratory at the Cyprus University of Technology (CUT) with internationally-leading counterparts from other Member States of the EU, such as the Institute of Methodologies for Environmental Analysis (CNR-IMAA) and the Institute of Archaeological and Architectural Heritage (CNR-IBAM) of the National Research Council of Italy, and the German Aerospace Centre (DLR). The goals of the Center will be aligned with the Smart Specialization Strategy of Cyprus. The close collaboration between CUT and other experts in the field of Remote Sensing for Cultural Heritage in the EU will form a synergic network that will permit the transfer of knowledge and training of the existing personnel of CUT. As a

result, the ATHENA project will have both direct and indirect social, scientific, and economic outcomes. In addition, the implementation of the project will facilitate future collaborations with experts of the Archaeology and Cultural Heritage sector in an EU level, increase the Centers' research capabilities, as well as enhance the research and academic profile of all participants. It is noteworthy to underline the importance of the geographical position of the Center in the region of eastern Mediterranean, a region inhabited thousands of years before and therefore abound in archaeological residues.

ECARS

East European Centre for Atmospheric Remote Sensing

ECARS falls among the projects funded under the call for Twinning 2015 where 321 out of 552 proposals have been evaluated above the threshold. The project has just started within the programme Spreading excellence and widening participation.

General information

HORIZON 2020	
Title	East European Centre for Atmospheric Remote Sensing
Project Acronym	ECARS
Reference call	CALL FOR TWINNING - H2020-TWINN-2015
Type of action	Coordination and Support Action (CSA)
Duration	36 months
Starting date	1 st January 2016
Status	Ongoing
Project cost	1.000.000 Euro
IMAA's budget	160.000 Euro
Role of CNR-IMAA	Partner
Responsible for CNR-IMAA	Gelsomina Pappalardo

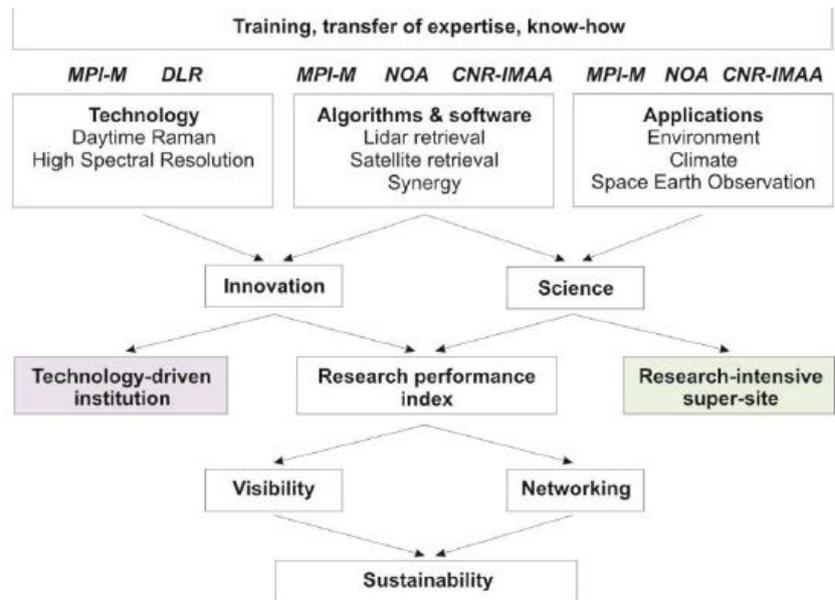
CONTENT

ECARS addresses the challenges of the Twinning programme by tackling deficiencies and networking gaps between INOE, a very dynamic research institution in Romania, and internationally-leading counterparts at EU level. The activity will strengthen the excellence of INOE Center for atmospheric remote sensing and will stimulate high-level environmental and climate research, conform to Romanian Smart Specialization Strategy. This will be achieved by consolidating INOE's links with four highly esteemed research institutions, each one having high-level expertise in specific areas: MPI-M (ground-based remote sensing), DLR (airborne remote sensing), NOA (satellite remote sensing) and CNR-IMAA (data exploitation).

The coordination and support actions address specific areas of atmospheric remote sensing where the expertise of INOE will be strengthened, increasing its innovation capacity and research profile. The focus is on cutting edge passive and active remote sensing technologies, good practices and data synergy, leading to better data exploitation for environmental and climate research. Transfer of know-how is performed in a larger context of training through research, with ECARS complementing undergoing projects in

HORIZON2020 and ESA Earth Observation programs. ECARS' goal is to create a collaborative framework around INOE for sharing specialized knowledge, brainstorming for new ideas and elaborating scientific publications. Measures to maximize the impact involve short-term staff exchanges and on-site training, expert visits, virtual training, technical workshops, summer schools, webinars and outreach activities.

ECARS is envisaged to increase by 50% the annual number of scientific papers published by INOE, and the impact factor by 25%. Knowledge will be further spread through national Master and PhD programs, reinforcing the atmospheric remote sensing activities in Romania and enhancing the related S&T capacities.



SPACE2ID

Space Clusters International Industrial Diversification

SPACE2ID project was submitted and approved under the call “Cluster Go International” COS-CLUSTER-2014-3-03 within the COSME programme. The main objective of this action is to intensify cluster and business network collaboration across borders and sectoral boundaries and to support the establishment of European Strategic Cluster Partnership (ESCP) to lead international cluster cooperation in fields of strategic interest – notably in support of the development of emerging industries. CNR-IMAA is involved in the project through TeRN Consortium, a public-private consortium operating in technologies for Earth Observation and Natural Risks.

General information

COSME	
Title	Space Clusters International Industrial Diversification
Project Acronym	SPACE2ID
Reference call	COSME-2014-3.1 Cluster Go International: Strand 1: Supporting preparatory actions for establishment and shaping of new European Strategic Cluster Partnerships
Type of action	COSME-GA Grant agreement
Duration	14 months
Starting date	01 January 2016
Status	Ongoing
Project cost	187.469,25 Euro
TeRN's budget	29.291,00 Euro
Role of CNR-IMAA	Scientific Responsibility
Responsible for CNR-IMAA	Carmela Cornacchia

CONTENT

Due to their intrinsic capacity to apply to several industrial and business sectors, space technologies (both Global Navigation Satellite Systems and Earth Observation technologies) are expected to know an important growth and new business value chain should be developed in the coming years related to this use of space technologies in various economic sectors, at the international scale. The SPACE2ID proposal (Space Clusters International Industrial Diversification) main objective is to create an ESCP between European space Clusters and several other European clusters, namely MELCA

clusters (MELCA stemming for Mobility, Energy, Logistics, Creative industries and Agriculture). It proposes to pave the way to the international business development of space technologies providers in the following applicative sectors:

- Mobility (i.e. transports of people)
- Energy
- Logistics (i.e transport of goods)
- Creative Industries (i.e., design, games and music)
- Agriculture

The commercial products that should stem from this international diversification process are particularly adapted to countries in which space ground infrastructures are not developed enough to allow these services to be provided by traditional ways. Therefore, the capability for space companies to grow is only based on their own capabilities to export their services. However, in these relatively new domains, these companies are generally too small to be able to have commercial actions abroad. Cluster may thus play an important role in this internationalisation by organizing, on a long-term basis, commercial actions in several identified countries, commonly chosen for the five diversification sectors.

ANNEX B

**List of CNR-IMAA applications to Horizon 2020
evaluated with a score
above the threshold**



List of the eligible proposals submitted to H2020 and evaluated with a score above the threshold

N	Project Acronym	Project Title	Call	Role	Threshold	Score
1	EnTICe	Energy Transition through Citizenship	H2020-EE-2014-CSA	Coordinator	10	10
2	EnTICe	Energy Transition through Citizenship	H2020-EE-2015-CSA	Coordinator	10	10.50
3	Capaciter	Empower public authorities for integrated planning and implementation of sustainable energy policies and measures	H2020-EE-2015-3-MarketUptake	Partner	10	10.50
4	OPEN-B	Open Basilicata: a COFUND project for supporting training and mobility of research talents in the field of environmental sciences	H2020-MSCA-COFUND-2014	Beneficiary	70	77.80%
5	EUNADICS	European Natural Airborne Disaster Information and Coordination System	H2020-DRS-2014	Partner	10	10
6	AEROCLOUDGAS	Observations of Atmospheric aerosol, clouds and trace gases: from measurements to applications	H2020-MSCA-ITN-2014	Partner	70	88.80%

7	OMERO	Operational Monitoring services based on EO space technology: the ROad infrastructures core application domain	H2020-EO-2015	Coordinator (in TeRN)	10	10
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Reference Documents

- “Horizon 2020 – First Results” – European Commission, doi:10.2777/718503,
https://ec.europa.eu/programmes/horizon2020/sites/horizon2020/files/horizon_2020_first_results.pdf.
- Flash call info «EO-3-2014»:
https://ec.europa.eu/research/participants/portal/doc/call/h2020/eo-3-2014/1620132-h2020-eo-2014_flash_call_info_en.pdf
- Flash call info «INFRAIA-2014-2015»:
https://ec.europa.eu/research/participants/portal/doc/call/h2020/infraia-1-2014-2015/1637636-infraia-2014-2015_flash_call_info_en.pdf
- Flash call info «H2020-TWINN-2015»:
[https://ec.europa.eu/research/participants/portal/doc/call/h2020/h2020-twinn-2015/1665142-h2020_twinn_2015_flash_call_info_\(call_results\)_en.pdf](https://ec.europa.eu/research/participants/portal/doc/call/h2020/h2020-twinn-2015/1665142-h2020_twinn_2015_flash_call_info_(call_results)_en.pdf)



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