



DOMENICO DE MARTINIS

Scientific Officer

CAREER 1992-TODAY

ABOUT ME-PROFESSIONAL

Scientist by background training and 15 years active research experience, I have been dealing with science policy issues and science management at national and international level since 2007. I believe my expertise is, today, an unusual blend of science knowledge, management skills, liaison ability and international experience.

ABOUT ME-PERSONAL

Married, father of two daughters. Bilingual family. Strong sense of responsibility, initiative and self-motivation. Love for team sports (former rugby player) as well individual ones. Love for travelling, reading, learning, exploring.

CONTACTS

Phone: +393494698958

e-mail:

domenico.demartinis@miur.it

domenico.demartinis@enea.it

LANGUAGES

first language : Italian

English excellent

Spanish excellent

French good

Romanian beginner

Portuguese beginner

JUMP TO

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2017-ongoing

Italian Ministry of University and Research

Scientific Officer-Seconded

Directorate General for Internationalization and Communication

Directorate General for Research

2011-2016

ENEA Italian National Agency for New Technologies, Energy and Sustainable Economic Development www.enea.it

• Liaison Officer (5 years)

Presidency office, International Relations Unit

• Head of Unit (1 year)

Management Support Unit for the Italian-EURATOM association at ENEA

2007-2010

EUROPEAN COMMISSION

Seconded National Expert

project officer DG Research

policy officer DG Environment

1992-2007

ENEA

Scientist

Core research in the area of plant -biotechnology and molecular biology.

Author of several publication on international peer reviewed journals

EDUCATION

Laurea University of Rome "La Sapienza", Italy

Master Autonomous University of Madrid, Spain

Ph.D. Radboud University of Nijmegen, The Netherlands

Post-Doc St. George Hospital Med. School of London, United Kingdom

SKILLS AND EXPERTISES

- Project Life Cycle: Open Call management, Proposal evaluation/management/negotiation
- Dialogue and negotiation - Internal and External stakeholders relations
- Staff empowerment and team building
- Budget Management
- Science policy
- Science governance
- International Relations, Public Speaking, meeting management
- Publications Editing, Scientific writing and peer review
- Laboratory research
- scientific design



EXTENDED CURRICULUM VITAE DOMENICO DE MARTINIS

Italian Ministry of University and Research -MUR-
National Office for the Planning and Promotion of Italian Scientific Research in International

GENERAL INFOS

CURRENT EMPLOYER

Italian Ministry of University and Research
National Office for the Planning and Promotion of Italian Scientific Research
in International spheres

EDUCATION

- | | |
|-----------------|--|
| Italy | • <i>Laurea</i> in Scienze Biologiche.
Università degli Studi di Roma "La Sapienza" (IT), May 1992 |
| Spain | • Master in "Monitorisation Ensayos Clínicos".
Universidad Autonoma de Madrid (ES), April 2003 |
| The Netherlands | • <i>Ph.D.</i> in Natural Sciences, Mathematics and Computer Science.
University of Nijmegen (NL), May 2006 |
| United Kingdom | • Post-doc <i>Accademia Nazionale dei Lincei/UK Royal Academy of Science</i>
St. George Hospital Medical School, London (UK) 2003 |

LANGUAGES

- Italian mother tongue
- English (excellent),
- Spanish (excellent)
- French (good)
- Portuguese (beginner)
- Rumanian (beginner)

CONTACT DETAILS

Office	Domenico De Martinis, Ministero Università e Ricerca Direzione Generale Internazionalizzazione e Comunicazione Via Michele Carcani, 61 email: domenico.demartinis@gov.mur.it 00153 ROMA
Private	Gsm ITA: +393494698958

SCIENCE POLICY AND PROJECT MANAGEMENT

Italian Ministry of University and Research
National Office for the Planning and Promotion of Italian Research in International spheres

ENEA

- Presidency Office International Relations Unit 2nd
- Management Unit Nuclear Fusion
- Presidency Office International Relations Unit 1st

EUROPEAN COMMISSION

- DG ENVIRONMENT
- DG RESEARCH

RESEARCH EXPERIENCE

ENEA SCIENTIST - BIOTECHNOLOGY, ENVIRONMENT AND HEALTH

Guest Scientist: The Netherlands, Spain, United Kingdom

[Awarded Fellowships](#) • [Assignments and expertises](#) • [Recent Presentations](#) • [Publication list](#) • [Reference Letters](#)

KEYWORDS

International, Relations, Liaison, Science, Applied, Research, Project, Management, Budget, Funding, KBBE, Knowledge, Scientific, Writing, Drafting, Reporting, Editing, Presentations, Public, Speaking, Peer, Review, Evaluation, Technological, Transfer, Policy, International, Liaisons, Horizon 2020, Horizon Europe, European Commission, OECD,G7, Biology, Biotechnology, Biochemistry, Molecular Biology, Genetics, Genetic, Engineering, Developmental, Biology, Plant, Physiology, Immunology, Nanotechnology, Nanomaterials, Food, Health, Environment, Agriculture, Energy, Bio-Economy, Sustainability.

Working experience	Italian Ministry of University and Research - MUR
January 2017-ongoing	Seconded Expert
MUR former-OFFICE VIII	Directorate-General for the coordination and valorisation of research and its results National Office for the Planning and Promotion of Italian Research in International spheres
	Focus on EU "H2020" and future research framework program -Horizon Europe Internationalisation of Italian Research
Assignments	NCPs Italian coordinator for H2020 and Horizon Europe Ministerial contact for Union for the Mediterranean 5+5 dialogue initiative G7 Future of seas and oceans working group G7 Financing Science for Inclusive Growth EuroGOOS SFIC: Strategic Forum for International S&T Cooperation Nationally Nominated Authorised eCORDA (COMmon Research DATAwarehouse) user COST National Coordinator –alternate COST Committee of Senior Officials
	MIUR delegate at the 14th Italy-Japan Joint Committee for Science and Technology Cooperation G7 science Italian Presidency 2017 Sherpa meetings G7 science France Presidency 2019 Italian delegate
Highlights	Dialogue 5+5 The Rome Declaration - signed on June 10, 2019 Horizon Europe Italian vision on the next EU research programme: Implementation Strategy Roadshow The Italian Workshop COVID 19 COVID-19 Emergency – Impacts on the Horizon 2020 project

April 2013
-December 2016

National Agency for New Technologies, Energy and Sustainable Economic Development

ENEA

Presidency Office
International Relations Unit

Science policy officer
Contribution to ENEA international policy in the domain of research and development.
Liaison with Industry, Research Institutions, Chambers of Commerce, Embassies, worldwide
Areas/Dossiers of interest :
Brazil, Colombia, India, Mediterranean and Middle East

Highlights

(relevant citations, assignments, or contributions to the Agency policies)
-Guest Associate Editor; Frontiers in Plant Science

COLOMBIA



- Invited speaker at the Conferencia [LACHEC 2016](#) Latino-American conference on Internationalisation and higher Education (<http://lacheccom/>) November 2016
- Invited speaker [Desarrollo del Taller de buenas prácticas - Horizon2020 -](#)
- Newsletter ENEA [Energy: International cooperation agreement between ENEA and UNIMINUTO](#)

BRAZIL



- Invited expert the CLIMATE CHANGE WWF EU-Brazil week (www.semanadoclima.org.br) November 2015
- [ENEA at the EU-Brasil "Semana do Clima"](#)
- Newsletter ENEA [Still time for love between Europe and Brazil](#)
- Guest visiting scientist B.BICE+ TRAVEL GRANTS FOR INNOVATION ACTORS at the Pontifical Catholic University of Rio, November 2015
- Host B.BICE+ TRAVEL GRANTS FOR INNOVATION ACTORS October 2015
- Organiser (Host) ["ENEA 4 Amazon"](#) Italo-Brazilian Workshop, ENEA June 2014
- Participant World Science Forum, 2013 Science for global sustainable development. Rio de Janeiro, Brazil,





- Delegate First Italy-Brazil Joint Commission Meeting on Scientific and Technological Cooperation
 - Invited Speaker at the Young Ambassadors Society (YAS) + Social Good Bocconi event "What type of world do I want to live in by 2030?" May2015
 - Reference person for the ENEA-ICE (Italian Institute for Foreign Trade) framework agreement
 - Project Evaluator for the Italian Ministry of Agriculture
 - designated "European Policy Expert", EPE, for the Italian Ministry of Research Committee to EU H2020 program
 - Project Evaluator for TACR (Technology Agency of the Czech Republic)
 - Project Evaluator German Federal Ministry of Education and Research (BMBF)
 - Contribution to the Italian position paper for the OECD on ageing society (see Publication section)
-

December 2011
-March 2013
Nuclear Fusion



ENEA-Research Unit for Nuclear Fusion

Head of the Management and Support Unit (MSU)

The assignment for a limited time (15 months) was on a specific "problem solving" need of the agency, to reshape and reorganize the administrative unit in terms of internal control standard, procedures and tasks.

The MSU ensures the implementation of programmatic activities assigned to the Unity by taking care of the active and passive cycle and providing the necessary technical and administrative support in accordance with local regulations and the delegation system.

Provides technical and administrative management of the Contract of Association EURATOM-ENEA by handling its financial annual reporting, including that of their partners.

Ensures the accounting of contracts for Fusion4Energy and ITER IO and the related commercial activities. <http://www.fusione.enea.it>

- Interview on the Italian SNEs annual Report (in Italian)
- Appointed Secretary for the Italian EURATOM Association Steering Committee June 2012
- Invited evaluator for FP7 PEOPLE programme
- Evaluator for the Italian Ministry of Agriculture
- Invited speaker: Convegno NANOMATERIALI E SALUTE 10 – 11 maggio 2012. Istituto Superiore di Sanità

Highlights

December
2010-December
2011

ENEA-Presidency office
International Relations Unit

Science policy officer

Contribution to ENEA international policy in the domain of research and development. Preparation of internal working documents and position papers, organisation of ENEA delegations abroad, organisation of international meetings and workshops, Congress participation to promote ENEA R&D expertises and foster collaborations with relevant stakeholders'.

Areas of interest:
Egypt, Japan, OECD

- Evaluations:
- Referee for Nature Nanotechnology
 - Invited evaluator for FP7 call for proposals (denied due to COI)
 - Evaluator for the Italian Ministry of Agriculture
 - Evaluator for TACR; Technology Agency of the Czech Republic

Videos and interviews:

- Promotional video ENEA
- Interview

Organiser of the webconference "ENEA in Japan 2011"



FONDAZIONE ITALIA GIAPPONE
伊日財団

Chairman of the conference session: "Fundraising and capacity building: finding resources and alliances for sustainable collaborations" ENEA in Japan 2011 webconference, 1st December 2011



Invited speaker: La politica della ricerca internazionale per lo sviluppo sostenibile e sicuro dei nano materiali. National convention "SALUTE ED AMBIENTE IN ITALIA" organized by the Italian Institute of Health in collaboration with WHO. 5-6 December 2011

OECD Work on the Safety of Manufactured Nanomaterials

Organiser (Host) "Environmentally Sustainable Use of Manufactured Nanomaterials" Workshop, ENEA September 2011
Italian Delegate at the OECD Working Party on Manufactured Nanomaterials, SG9 September 2011

Organiser of the "EGYPT – ITALY "Industries workshop on renewable energy sources", Following the Italian-Egyptian Science Cooperation Day" Cairo 15 June 2011
Italian delegation Italian-Egyptian science day, Cairo 14 June 2011
Keynote presentations: Funding in Science & Technology, Egypt-Italy Science Forum 13-15 December 2010

EUROPEAN COMMISSION

Seconded National Expert

16 April 2009
15 December 2010

DG ENVIRONMENT

Directorate Water, Chemicals & Cohesion
Unit ENV D.3- Chemicals and Nanomaterials



to improve the protection of the environment and health from risks posed by chemicals through the implementation of the new chemicals legislation REACH
Contribution to Unit policy has been mainly in the domains of nanotechnologies especially by participating to the ongoing dialogue among EU institutions, public, industry and related groups of interest. Tasks consisted in contribution to the preparation of internal working documents, review of the current guidelines, scientific literature and ongoing activities of the scientific community, congress participation to disseminate DG ENV policy and future perspectives.

Highlights

Nature Nanotechnology advanced online publication December 12, 2010: *Science policy considerations for responsible nanotechnology decisions*

Evaluation Committee LIFE+

organizing committee: 3rd Nano Safety for Success Dialogue: Building Trust in Nanotechnologies. Brussels, 3-4 November 2009.

OECD Work on the Safety of Manufactured Nanomaterials

Participation in the OECD WPMN. (co)reference person for the EC in the WPMN SG 1/2, SG4, SG7, SG8

OECD 6th Meeting of the Working Party on Manufactured Nanomaterials (WPMN) October 2009

OECD Conference on Potential Environmental Benefits of Nanotechnology: Fostering Safe Innovation-Led Growth July 2009

Invited speaker: Human and Environmental Risk Assessment of Nanomaterials 2009: Regulatory Issues Survey. Ottawa, March 2009

1st June 2007-15 April 2009

Directorate Food, Agriculture and Fisheries, and Biotechnology
Unit E3 Food, Health, Well being

DG RESEARCH

Domains of i) "converging technologies" especially nanotechnologies and biotechnologies, ii) novel materials dedicated to food packaging, iii) novel food products (e.g. *nutraceuticals*), iv) GMO-derived food.

22 Months

Contribution to Directorate's policy strategies as well as project management (Research Framework Programme –FP- 6 and 7);

- Definition of the work programme,
- definition, co-ordination and execution of calls for proposals
- management of call topic(s) evaluation;
 - (i) selection of experts
 - (ii) moderation of proposals evaluation (remote and consensus evaluation).
 - (iii) Proposal-to-project negotiation
 - (iv) Project management (Ensure the follow-up of the implementation of the projects; monitor contractual obligations via periodic review, audit, reporting, etc.).

Management of approximately 15 FP6-FP7 projects in the relevant period.

networking aspects (see also "highlights" and "other expertises" sections):

Analyse and assess the results and impacts of the programme and the projects, provide feedback and suggestions for improvement at internal (*interservice*) and public level; participation in exchanges and consultations with relevant stakeholders' organisations (biotechnology, nanotechnology, GMOs, food, health and wellbeing)

Monitoring of the exploitation and dissemination of the work programmes and project results.

Contribution to the updating and development of relevant guidelines and tools as well as to strategic documents and new approaches

Contribute to publications produced by the programme intended for internal and external stakeholders;

Information collection and draft replies to questions from external stake holders such as European Institutions (e.g. EP), Member States and / or the general public.

Congress participation to present the research programme and results at workshops, seminars, publications, conferences and other public events; to disseminate DG RTD policy, and for the development of guidelines, orientations and new approaches relating to the proper implementation of the programme (FP7).

Highlights

First Nanotechnology Stakeholder Dialogue, CIAA premises, Bruxelles, 19 September 2008.

First meeting of a Forum of Informal Information Exchange between DG Research and Other DGs on Environment and Health Research and Policy Issues. EC premises, Bruxelles, 12 September 2008.

High Level Group on the Competitiveness of the Agro-Food Industry, EC premises, Bruxelles, 4 September 2008

Joint meeting of the European Technology Platforms in the field of biotechnologies, agriculture, fisheries and food research and KBBE, EC premises, Bruxelles, 28 January 2008.

High Level Conference on Nanotechnologies. An EU2007.PT Event. Braga (Portugal) 20th-21st November 2007

EU—RUSSIA CO-OPERATION IN BIOTECHNOLOGY, AGRICULTURE, FORESTRY AND FOOD V International Symposium.

Suzdal, Russia. August 30 – September 02, 2007,

OTHER EXPERTISES OF GENERAL INTEREST

- Contribution to Congress organisation (recruitment of experts, preparation of presentations for the HoU, presentations in Commission Delegation)
- Contribution to answers to written parliamentary questions, as well as written external questions.
- Contribution to interviews.
- Contribution to *interservice consultations*

June 1993
-June 2007

Scientist

ENEA

ENEA is the *Italian National Agency for New Technologies, Energy and Sustainable Economic Development* with defined activities targeted to research, innovation technology and advanced services in the fields of energy and sustainable economic development. www.enea.it

DEPARTMENT OF
BIOTECHNOLOGY
ENVIRONMENT AND

Principal investigator, research activity in the plant biotechnology domain, (agroindustry/agrofood application, plant biofactory) author of several peer review scientific publications. Broad range of scientific studies and working experiences in

Europe. Coverage of a wide area of life sciences, with interdisciplinary approaches¹. Core research in plant genetic engineering for unravelling the mechanisms of plant reproduction, flower development, fruit ripening, phytochemistry, plant as biofactory for the production of antibody and vaccines, immunology².

Since 1998, actively involved in definition of ENEA's research policy strategies as well as in specific project definition and management at National and International level, covering management roles in the EC granted project as well (WP leader).

Over a dozen peer review top scientific publications in the last decade (including Nature and the PLANT CELL) as well as the various contributions to International Congresses certify the scientific production. Four fellowships awarded, 2 in Italy (including the Accademia dei Lincei/Royal British Science Society fellowship) and 2 in Europe (EC Marie Curie junior fellowships), see Scientific Production and highlights.

Participation to national and EC projects : Agrolgis (ITA) Fruta Fresca (FAIR984211) DMIF-GEN (SMT4-CT96-2072) TrueFood (FP6-FOOD 16264)

GUEST SCIENTIST



St. George Hospital Medical School, London (UK) 2003
Post-doc guest scientist, research mainly focused on developing innovative strategies for the plant as a biofactory for the production of molecules of biomedical interest.



Universidad Autonoma de Madrid (ES) 2002
Sabbatical leave, master in Clinical Trials Management
Faculty of Pharmacology



Nijmegen³ University (NL) 1995-97
Department of Plant Cell Biology, part of the Institute for Wetland and Water Research (IWWR) of the Radboud University (NL), basic research on plant biology and plant molecular biology.

Highlights

Expert for the Italian agriculture policies
Albo esperti politiche agricole (www.politicheagricole.it)

Expert for the European Food Safety Authority (EFSA) database

ISTITUTO ITALIANO PER GLI STUDI FILOSOFICI. QUADERNI DEL TRENTENNALE 1975-2005 "LEZIONI DI PREMI NOBEL"

Italian Technology Platform on Food for Life
The Vision for 2020 and beyond (A Research Agenda) February 2007

IP TRUEFOOD and related activities: GoodFood Second Open Day - Micro&Nano technologies for milk and dairy. November 15th, 2006, Grenoble, France.

FOOD FOR LIFE: Presentation of the European Technological Platform

TRUEFOOD: Presentation of the Integrated Project
See also MICRO AND NANOTECHNOLOGIES BULLETIN (www.imt.ro/mnt)

ITALIAN NATIONAL ASSESSMENT REPORT FP6 SMEsNET: SME's Networking European Food Quality and Safety Stakeholders.

Electronic platform advantages for the agro-food business stakeholders. Rome, 17 March 2006

AWARDED FELLOWSHIPS

- 1992 *Fondazione Adriano Buzzati Traverso* at ENEA Casaccia Research Centre, Rome (IT).
- 1995-96 *Marie Curie* fellowship at Nijmegen University (NL)
- 1997 *Marie Curie* fellowship at Nijmegen University (NL)
- 2003 *Accademia Nazionale dei Lincei/UK Royal Academy of Science* St. George Hospital Medical School, London (UK)
- 2015 EC INCO B.BICE+ Travel Grant for Innovation Actors, c/o Pontificia Universidade Católica do Rio de Janeiro – PUC-Rio, Brazil.

¹ See Publication list ; editorial : "When physics meets biology: high-resolution laser-based techniques to study plant-microbe interactions".

² See Publication list Nature 1993

³ Participated to the Dutch "Graduate School Experimental Plant Science" (EPS) Ph.D. Programme

NCPs Italian coordinator for H2020 and HEurope
G7 science Sherpa meetings Italian Presidency 2017
14th Italy-Japan Joint Committee for Science and Technology Cooperation

MIUR-MUR delegate for

- the Union for the Mediterranean
- 5+5 dialogue initiative
- G7 Future of seas and oceans working group
- euroGOOS
- SFIC Strategic Forum for international S&T Cooperation-Council of the EU
- eCORDA **e**sternal **C**OMmon **R**esearch **D**Awarehouse

Expert/ Project Evaluator

Italian Ministry of Research (MIUR) for the EC H2020 program
Italian Ministry of Agriculture (MIPAAF)
German Federal Ministry of Education and Research (BMBF)
Technology Agency of the Czech Republic (TAČR)
Belgian Research Fund-Flanders (FWO)
REPRISE Register of Expert Peer Reviewers for Italian Scientific Evaluation

Guest Associate Editor for Frontiers in Plant Science (Nature editing group). Ongoing
Scientific Committee revista ObIES 2018
Assistant editor short experience, Mycological Research (Cambridge Journal Eds.).

Visiting Scientist Pontificia Universidade Católica do Rio de Janeiro – PUC-Rio, Brazil,
c/o EC INCO B.BICE+ Travel Grant for Innovation Actors
Experienced peer reviewer for several international scientific journals, evaluator for
Scientific Agencies, Ministry and EC.

Continuous training in the fields of activity (science and technology, science policy,
governance, -budget administration- legal aspect of R&D –IPR and TT-

- Management training ISO 9001:2008 DASA-RÄGISTER
 - IPR training "La Gestione della proprietà intellettuale e degli spin-off" ENEA Unità
Centrale Affari Legali, Prevenzione della Corruzione e Trasparenza
- Computer literacy, MS Office, Editing, email, internet; database search, social
networks, webconferencing.

Soft skills: Ability to work in a team and a multicultural environment, good social skills
and ability to communicate effectively. Ability to manage conflicts, experience in
public speaking. Problem-solving and organisational skills;

June 2020, virtual conference **EU vs Virus Hackathon**. Curator of the Ministerial endorsement and participation in the web streaming event. See interviews: [Dalla ricerca di lavoro all'Al didattica, italiani grandi innovatori anti-Covid SOLE 24 ORE](#) (Italian)

February 2020, Trieste, Italy **Arriva Esf: 170 eventi, il Nobel per la fisica Queloz e 4 mila partecipanti da 80 Paesi** (in Italian)

The program of the European Science Open Forum, to be held in Trieste in 2020, was presented to the press. The Ministry supported since the early bird the candidature, provided financial support and will attend the forum

October 2019 Rome, Italy. **Horizon Europe – Implementation Strategy Roadshow The Italian Workshop** This workshop was one of the stages of the roadshow that the European Commission organized with the member states to actively discuss the structural elements of the new program.

October 2019 Paris, France G7 roundtable **Microplastics in the Environment : Biomonitoring issues and socio-ecological challenges for public decision.**

Organised back to back with two scientific workshops focused on biomonitoring issues and on socio-ecological challenges, both in relation with public decision. During the round table, the delegations will share the scientific proposals built up during the workshops and exchange information about the status of biomonitoring, the research gaps they wish to fill and the socio-ecological challenges they face in their own countries. A co-chair's summary will be discussed and issued thereafter.

July 2018 Rome, Italy **Research and innovation for the Blue Growth in Italy and in the Mediterranean -The proposal for an Italian agenda – second meeting with national stakeholders**

About the role of the **BLUEMED** to address R&I needs of the Mediterranean region, as relevant not only for the EU Med member states but for all EU. A success story made possible by the overcome of single priorities into common ones. Beyond research needs, economic, political and security issues need to be duly taken into consideration to tackle bottlenecks. The Italian delegation to the relevant G7 working group addressed the need to better consider the seas vs the oceans. "When Italy works in the Med, it can create a diplomatic structure including different interests of non-EU Med countries and different EU economic interests".

November 2016 Bogotá, Colombia **Internationalisation of research, to create a common platform to tackle global challenges together**

In the complex global system of environmental, economic, and social interdependencies, sustainable development can only be addressed when global and national efforts are coordinated on an equitable basis. Synergistic partnerships and shared policies for science and technology development should aim to share results and innovations and produce cooperation between markets and countries, thus internationalization to define a common ground of both goals and policies for achievement, based also on the capacity of research and networking ability.

- [Desarrollo del Taller de buenas prácticas - Horizon2020 -](#)
- [LACHEC 2016](#) Latino-American conference on Internationalisation and higher Education (<http://lachecc.com/>)

December 2017 London, UK **G7 Future of the Seas and Oceans Working Group** workshop Italian Delegate

November 2017, Helsinki, FI **NCP ACADEMY Advisory Board: planning for the future.** Italian NCPs coordinator

July 2017, Trieste, Italy **OGS Advanced Training School on Sustainable Blue Growth in the Mediterranean and Black Sea countries** Speech for the Closing Ceremony

July 2017, Trieste, Italy **Dialogue 5+5 Initiative** Senior Officials meeting Italian Delegate

April 2017, Rome, Italy. **First meeting of the G7 SCIENCE Sherpas** Ministry of education Universities and Research delegation

October 2016, Cairo, Egypt **Production and management of Energy; the interdisciplinary approach of ENEA.**

Clean and efficient energy generation by environment friendly methods and technologies is now one of the major challenges worldwide. New and heterogeneous methods to produce energy pose the challenge of how to guarantee energy security, storage of exceeding production, distribution. In addition to that, the impact of the next generation energy sources must consider

the impact it may have on other productive systems and on rural areas (e.g. solar vs agriculture, biomass vs food production) . ENEA is having an interdisciplinary approach to challenge the challenge of a sustainable energy production, merging together material science, agronomy and biotechnology, solar energy studies, energy efficiency planning and more; in collaboration with the industry and often in collaboration with the other actors of the mediterranean area.

- "Italian-Egyptian Workshop on Energy & Related Materials" Under the auspices of H. E. the Minister of Higher Education and Scientific Research

November 2015 Rio de Janeiro, Brazil **Interdisciplinary approaches to challenge the challenges, how applied research could find the solutions**

The traditional paradigm: "increase in population and decrease in sources", must be approached in a multifaceted way that considers the different demographic changes, energy needs and source worldwide, to match development and sustainability. In this scenario, interdisciplinarity become necessary to meet the many overlapping technological challenges. A seminar/Lecture to describe the research activities of ENEA, the Italian National Agency for New Technologies, Energy and Sustainable Economic Development (www.enea.it) the presentation, in an informal and easy accessible style will show how the interdisciplinary research implemented results in real-case solutions for the energy-demand and climate change challenges.

- EU-Brasil Climate Change, We're All Responsible (www.semanadoclima.org.br)

May 2015 Milan, Italy **Science and the challenge of food (and water and energy). For all. Cheap. Sustainable. Possible?**

Food security, water needs and energy for all are keywords, often coupled with the term "sustainable", that occur so often on everyday news and policy guidelines. The "food-energy-water" connection and what can actually be done on the basis of the state of the art technology and in a perspective of continuous research, but also in a difficult scenario of increasing population and decrease of dedicated sources (e.g. : cultivated land vs populated land) will be the topic of this presentation .

- Young Ambassadors Society (YAS) + Social Good Bocconi: "What type of world do I want to live in by 2030?"

IPR

Copyright (1999) TomatoGRADO tavola cromatica di maturazione del pomodoro –colour ripening tomato tables, USDA standard like- (diritto d'autore-fotografie policrome)

Genebank:

[Nicotiana tabacum ethylene-responsive element binding protein 5 mRNA, complete cds](#)

Accession: AY627865.1 <http://www.ncbi.nlm.nih.gov/nuccore/55585712/>

[Nicotiana tabacum ethylene-responsive element binding protein 6 mRNA, complete cds](#)

Accession: AY627866.1 <http://www.ncbi.nlm.nih.gov/nuccore/55585714/>

Web

[OECD workshop Environmentally Sustainable Use of Manufactured Nanomaterials](#)

[ENEA in Japan 2011 -webconference](#)

[ENEA 4 Amazon Italo-Brazilian Workshop](#)

[FP9, from the MIUR an Italian vision on the next EU research programme](#)

Interviews

[Appello MFE-GFE "Una ripartenza per l'Europa" \(Italian\)](#)

[Dalla ricerca di lavoro all' Ai didattica, italiani grandi innovatori anti-Covid SOLE 24 ORE \(Italian\)](#)

[LACHEC 2016 \(interview min 02:54\)](#)

[ENEA in Japan 2011 debriefing interview](#)

[ENEA in Japan 2011 promo](#)

[Rapporto Esperti Nazionali Distaccati 2012 \(Italian\)](#)

Database and Publication Repositories:

The Science Advisory Board www.scienceboard.net

Scientific Commons de.scientificcommons.org

Creamofscience.org www.narcis.info

BioInfoBank Library lib.bioinfo.pl

Loop <http://loop.frontiersin.org/people/115567/overview>

ENEA Open Archive <http://openarchive.enea.it/>

ResearchGate http://www.researchgate.net/profile/Domenico_Martinis

Academia.edu <http://enea.academia.edu/DomenicoDeMartinis>

FigShare https://figshare.com/authors/DOMENICO_DE_MARTINIS/2569987

REPRISE Register of Expert Peer Reviewers for Italian Scientific Evaluation

Recent (2017-2021)

1. De Martinis, D., Dukova, D.H., Vázquez, I.L., Anzola-Pardo, G., Villamizar, L.F., Alexis Ortiz, R. (in Preparation) Perception of EU science diplomacy outside the EU in the time of COVID-19 pandemic: the view from Latin American academic and scientific communities.
2. De Martinis, D., Benvenuto, E., Hitzerot, I.I., Matsuda, R., Pérez, N.S. (in Preparation) *Engineering the Plant Biofactory for the Production of Biologics and Small-Molecule Medicines - Volume 2*
3. De Martinis D., Briardo, L., Rybicki E.P., Fujiyama K., Colonna N., and Benvenuto E. (2020) Editorial article. *Next Generation Agriculture: Understanding Plant Life for Food, Health and Energy*, Frontiers in Plant Science Research Topic doi: 10.3389/fpls.2020.01238
4. Various authors (2020) *Report on mapping survey COVID-19/HORIZON 2020. COVID-19 Emergency – Impacts on the Horizon 2020 project*
5. De Martinis, D. (2019) *The cooperation between the European Union and Latin America and The Caribbean for inclusive growth and reduction of inequalities (and the role of education)* Revista ObIES Vol. 3 pp.18-19
6. Various authors (2019) *Horizon Europe – Implementation Strategy Roadshow The Italian Workshop*
7. Bon P. & De Martinis D. (2018). *Reflections on the future of research, development and innovation in Colombia*. Revista ObIES Vol. 2, pp. 27-35
8. De Martinis, D. and Giaconia, A. (2017) *Production and management of Energy; the interdisciplinary approach of ENEA to Concentrated Solar Power*. Journal of Renewable Energy and Sustainable Development (RESD) Volume 3, Issue 3, December 2017 - ISSN 2356-8569 <http://dx.doi.org/10.21622/RESD.2017.03.3.277>

by sector

Science Policy

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