



THE NATIONAL INSTITUTION FOR STANDARDIZATION RESEARCH AND PROMOTION A PRIVATE NON-PROFIT ORGANIZATION



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HOW WE WORK

- Identification of the need for standardization of a specific target use
- Collection of the first experiences on the merit domain
- Identification and formulation of general guidelines
- Setting up of a Technical Committee for users and manufacturers of the product/service to be standardized
- Writing up of a first draft standard (of voluntary nature)
- Publication and presentation of the first draft standard and creation of awareness and feedback
- Promotion and dissemination of content and use of the standard
- Training of potential users of the standard

OPERATING SECTORS

- Marine-maritime ICT sector
- Healthcare ICT sector
- Cloud Services in the e-government of Public Administration (PA) sector
- Critical Infrastructure sector
- Technology for Cultural Heritage sector

BLUE SEA LAND

Expo of the agri-food
districts of the
Mediterranean, Africa
and the Middle East

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WHO ARE WE?

Our purpose is to contribute to the production and promotion of technical standards through the formation of Scientific Technical Committees and the systematic relationship with the main public and private institutions as represented on its Board of Directors. ENR promotes standardization with training in all sectors. It is site to several collaborations: the University of Genoa/DIBRIS, the International Telematic University UNINETTUNO, the University of Palermo and the ANESA-CD Society. Our collaborations take the form tanks the joint participation In Blue Growth and the Big Cluster projects.

OUR CONTRIBUTION IS TO TAKE CARE OF THE WHOLE STANDARDIZATION PROCESS. TO PROTECT AND SUPPORT USERS AND CONSUMERS OF GOODS AND SERVICES AND OF PRODUCERS, IN ORDER TO INCREASE THEIR INTERNATIONAL COMPETITIVENESS AT INTERNATIONAL LEVEL.

OUR PROJECTS

1. Marine-maritime ICT sector:

TECBIA - Technologies with low environmental impact for the production of energy on vessels

The main aims of the Project, in collaboration with FINCANTIERI S.p.A., concern the development of low and zero emissions energy generation systems for naval applications, exploiting hydrogen technologies and battery electric accumulators.

POSEIDON - Innovative products and processes for the development of a sustainable sea economy in Sicily

The project, in collaboration with FINCANTIERI S.p.A., involves the study of a new sensor for environmental monitoring and the development of an interface and control electronics for the analyzed parameters.

ARES - Autonomous Robotics for the Extended Ship

The project, in collaboration with CNR-ISSIA, develops an integrated system with new marine robotic technologies, operating in various fields: emergency interventions for environmental disasters, defense support, installation and maintenance of energy extraction facilities from the sea.

SI.NA.PO. - Navigation security in the Port area

The Project, in collaboration with CNR-ICAR, provides for the creation of an intelligent and adaptive system to support decisions for the realtime reconfiguration of on-board systems in the event of a fault.

Project PON Research and Innovation 2014/2020: «Innovative PhDs with industrial characterization» MIUR - University of Palermo-CNR IAMC.
Evaluation of the environmental impact related to industrial activities concerning the mining exploitation of the seabed (Deep Sea Mining, DSM)

2. ICT health sector

PRE.MED - PREcision MEDICINE

The project, in collaboration with the La Traccia Cooperative, aims to develop an innovative and integrated platform for the predictive diagnosis of the risk of progression of chronic kidney disease, for targeted therapy and proactive patient care.

3. Cloud Services sector in the e-government of Public Administration (PA)

Pa@Cloud (project @GCloud) – Pre-Commercial Procurement

The project aims to improve the effectiveness and efficiency of the local public administration system in the Convergence Regions, through the development of new ICT technologies with a view to transparency, simplification and cost containment for citizens and businesses.

4. Critical Infrastructure Sector

MAS - Maritime Security and Anti-Terrorism System

Project aimed at the protection of Critical Infrastructures from terrorist attacks, through integrated anti-intrusion security systems for the monitoring of maritime infrastructures such as ports, harbors, LNG (Liquid Natural Gas) terminals and power plants with outlet to the sea.

5. Technology for Cultural Heritage sector

TECLA - NanoTechnologies and nanomatErials for the Cultural assets

The project, in collaboration with the Department of Energy, Information Engineering and Mathematical Models (DEIM) of the University of Palermo, exploits the potential of nanotechnologies by developing new materials, nanomaterials and devices for consolidation, protection, cleaning, and the fruition of Cultural Heritage