CNR’s Evaluation of Research Programmes

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11 scientific departments (SD)

79 research projects (2007)

each project has about 10 contracts

each contract consists of at least one module

one module is performed by one and only one institute

every module is broken down in GAEs, groups of elemental actions
elemental actions are individual items of expenditure (an invoice, an appropriation of funds);

projects, contracts and institutes are supervised by their own chief;

data is managed by CNR accounting system SIGLA

108 institutes, located in about 300 different sites around the country;

many institutes, but not all, are sited in research parks (RP), throughout the country, managed by central administration;
Introduction: CNR structure of scientific network

DEPARTMENT XX (11)

PROJECT XX-P01

PROJECT XX-PN (79)

CONTRACT XX-P01-C1

CONTRACT XX-P01-C2

CONTR. XX-P01 (<600)

MODULE P01-C2-001

MODULE P01-C2-002

MODULE P01-C2-00N (~1,000)

GAEs (~5,000)
(appropriations, invoices,...)
Introduction: CNR’s organization

- Direct collaboration Offices
- Board of Auditors
- President
- Board of Directors
- Head Office
- Central Administration Offices
  - Central Programming and Infrastructure Management
  - Central Resources Management
- Scientific Network
  - Departments
  - Institutes
  - Research Area Services
Central Programming and Infrastructure Management (DCSPI)

- Operative Programming
- Research and agency units
- Co-funded training projects
- Telecommunication and networks
- Information systems
- Industry and services partnerships
- Co-funded scientific projects
- Research and agency
- New enterprise partnerships and combines
- Scientific publications
- Central Library
- Safety
- Public relations
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Competences

• Definition, in agreement with DCSPI Director, of
  - reports, schedules and data format standards
  - Budgeting and scientific plans

• Research Network support for the accomplishment of
  - Budgeting process
  - Activities progress reports
  - Annual scientific results and autoevaluation reports

• Research Area Services management and coordination
  - Official and strategic reports processing (planning and outputs)
  - Supervising and evaluation of performances, value and results of the Scientific Network activities
  - Curiosity driven research
  - Research grants management

• Top management level support for

• Management of CNR’s participation in EU Projects (budgeting process and supervision)

• CNR’s large scale facilities management
Evaluation in CNR

Evaluation levels

• **External Evaluation (CIVR)**  
  ➢ National evaluation committee  
  ➢ Three years of activities are evaluated

• **Strategic and management evaluation of CNR’s structures**  
  ➢ Performed by Board of Directors  
  ➢ Both research activities and management are evaluated  
  ➢ Institutes and Departments contribute with RD and RI

• **Institutes and Departments autoevaluation**  
  ➢ Annual report

• **Researchers’ evaluation**  
  ➢ Annual report on their activity
The new Evaluation system in CNR

The new approach for evaluation

• Main aims
  - International Appeal of Research Programmes
  - Achievement of the mission in accordance to assets
  - Scientific results quality
  - Key tool in the reorganization process

• Main criterias
  - Combined strategies of Compliance and Benchmark
  - International standards use
  - General worthiness (external impact on production and social system)
The new Evaluation system in CNR

The new approach for Evaluation - Who

- General Panel
  - 16 experts selected on different subjects
  - Supervision of the whole evaluation process
  - Designation of the Area Panel’s experts
  - Summary and report of the Area Panel’s evaluation

- Area Panel
  - Analyse documents and papers produced in the last 5 years
  - On site visit
  - Produce an annual final report on the evaluated activity
The new Evaluation system in CNR

The new approach for Evaluation - How

Markers and criterias

- Intellectual asset
- Relationship asset
- Structural asset
- Economic asset
- Production asset
- Innovation value of research programmes
Origin

• RSTL are the CNR Curiosity Driven Research Programmes

• RSTL are submitted by single Researchers

• Evaluation Panels composed by full and associate professors evaluate the projects

• Dedicated online process for their direct evaluation
Projects Evaluation Criteria

- Scientific quality of the proposal
- Technological value of the proposal
- Aimed results
- Consistency between scientific cv and submitted program
- Promotion and development potential
- Economic feasibility of the proposal
In 2006 CNR evaluated more than 1000 proposal submitted by CNR Researchers

Operative Programming Office produced a complete ranking of the accepted proposals

In the upcoming term CNR wish to achieve a full standard for the evaluation procedure