

Horizon 2020 e l'impostazione delle strategie per la ricerca da parte del Ministero della salute

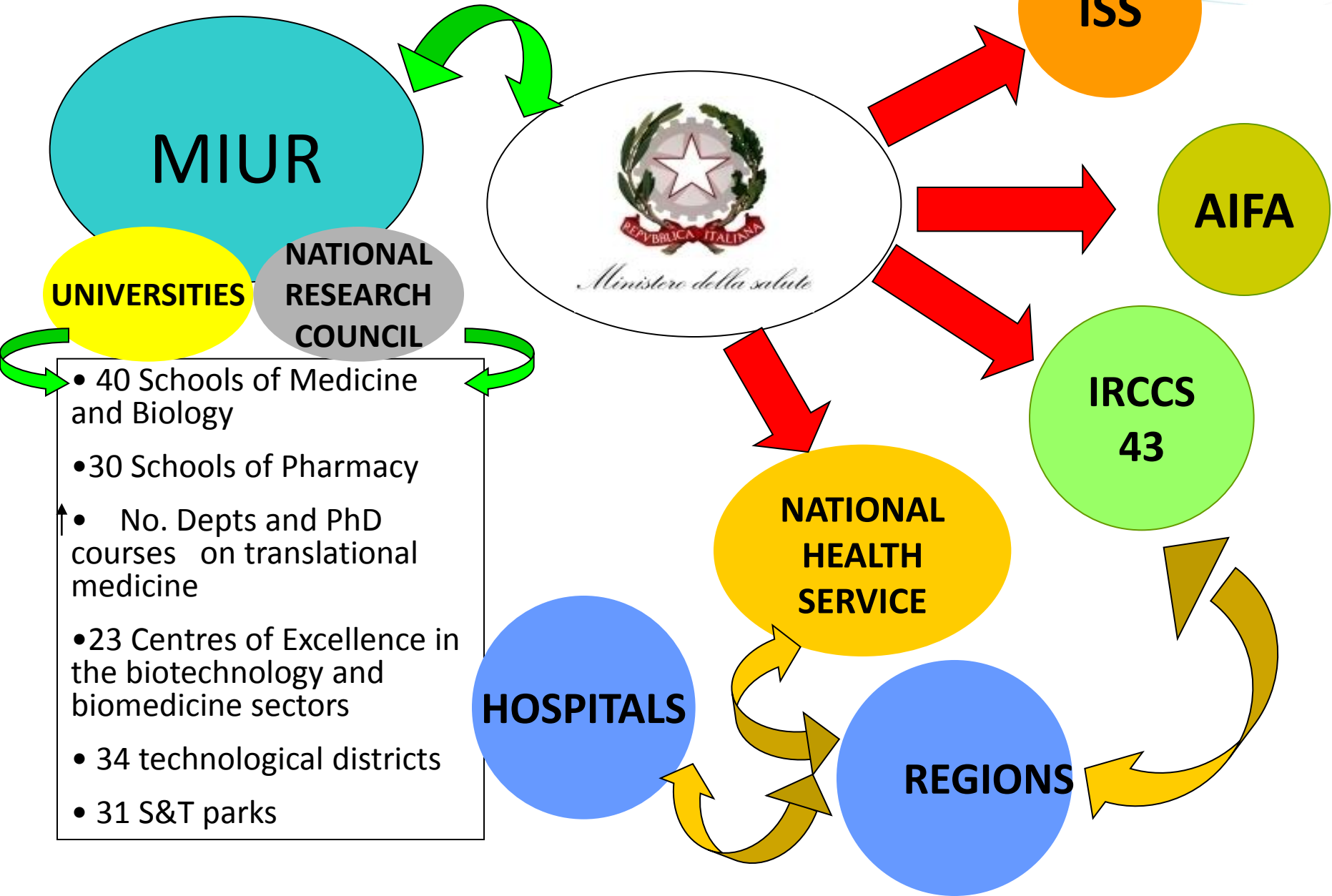
Gaetano Guglielmi MD, PHD

) Director Office IRCCS-
Healthcare ad Research Excellence Center



Health Research Network of the Ministry of Health

- Istituto Superiore di Sanità (National Health Institute)
 - INAIL (National Institute for Environmental and Work Related Diseases)
 - Agenzia per i Servizi Sanitari Regionali (National Healthcare Agency)
 - 45 IRCCS Institutes for Healthcare and Scientific Research
 - 10 IZS – Veterinary Institutes
 - 21 Regions (National Health System)
-



MIUR

UNIVERSITIES

NATIONAL RESEARCH COUNCIL

- 40 Schools of Medicine and Biology
- 30 Schools of Pharmacy
- No. Depts and PhD courses on translational medicine
- 23 Centres of Excellence in the biotechnology and biomedicine sectors
- 34 technological districts
- 31 S&T parks



ISS

AIFA

IRCCS 43

NATIONAL HEALTH SERVICE

HOSPITALS

REGIONS

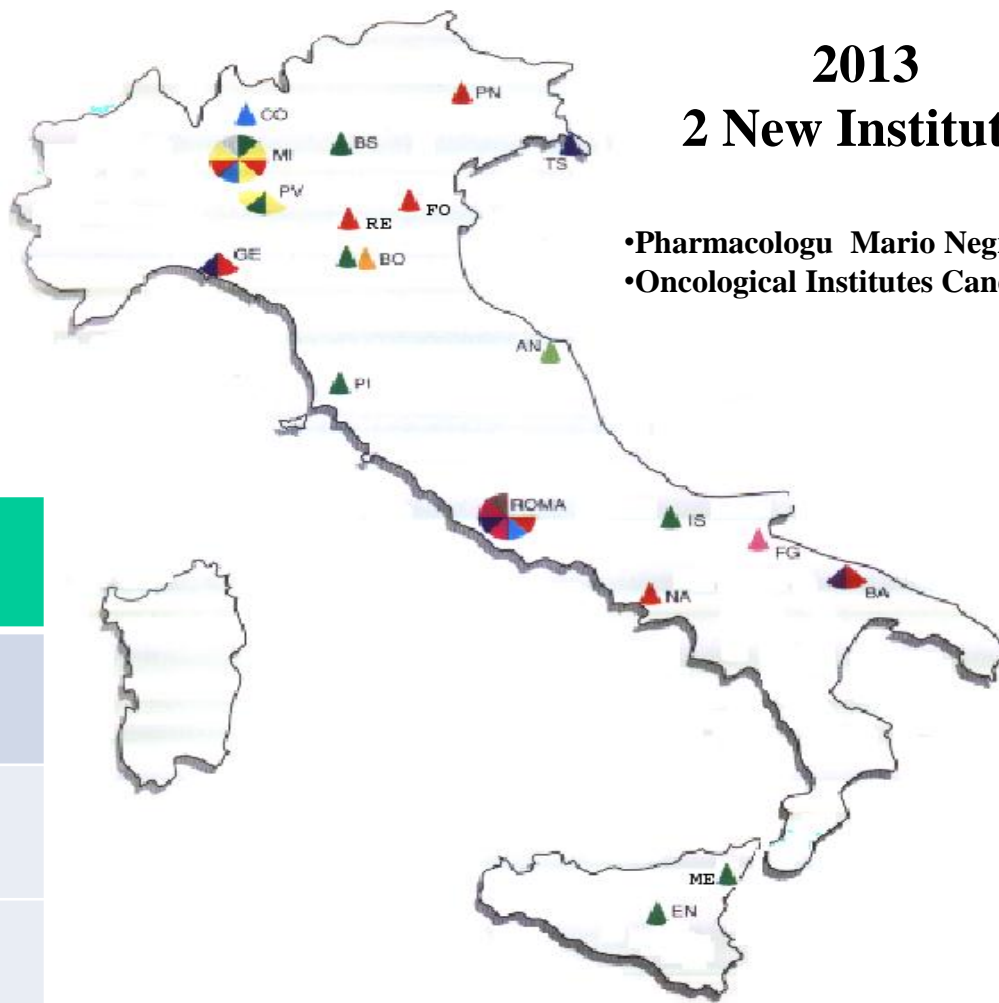


IRCCS' Network 2014

48 Research Comprehensive Center -Institutes for Healthcare and Scientific Research

2013
2 New Institutes

- Pharmacologist Mario Negri
- Oncological Institutes Candiolo



IRCCS - Researchers	9.575
IRCCS - Scientific Publications (*)	10.834
IRCCS - Total Normalised Impact Factor (*)	43.229
IRCCS - Total Hospital Beds	17.849

- Dermatologia
- Gastroenterologia
- Geriatria
- Malattie genetiche ed eredo-familiari
- Malattie infettive
- Neurologia e Psichiatria
- Oncologia
- Ortopedi
- Patologie cardiovascolari
- Pediatria
- Politematici
- Riabilitazione neuromotoria e malattie professionali

(*) Data are referred to 2012 Activities solely to the expertise areas of recognition of the different Institut



Ordinary Research (Ricerca Corrente) aimed at the 48 IRCCS

Basic scientific research, led by the IRCCS in the areas of recognition, according to a three-years plan agreed with the Ministry of Health.

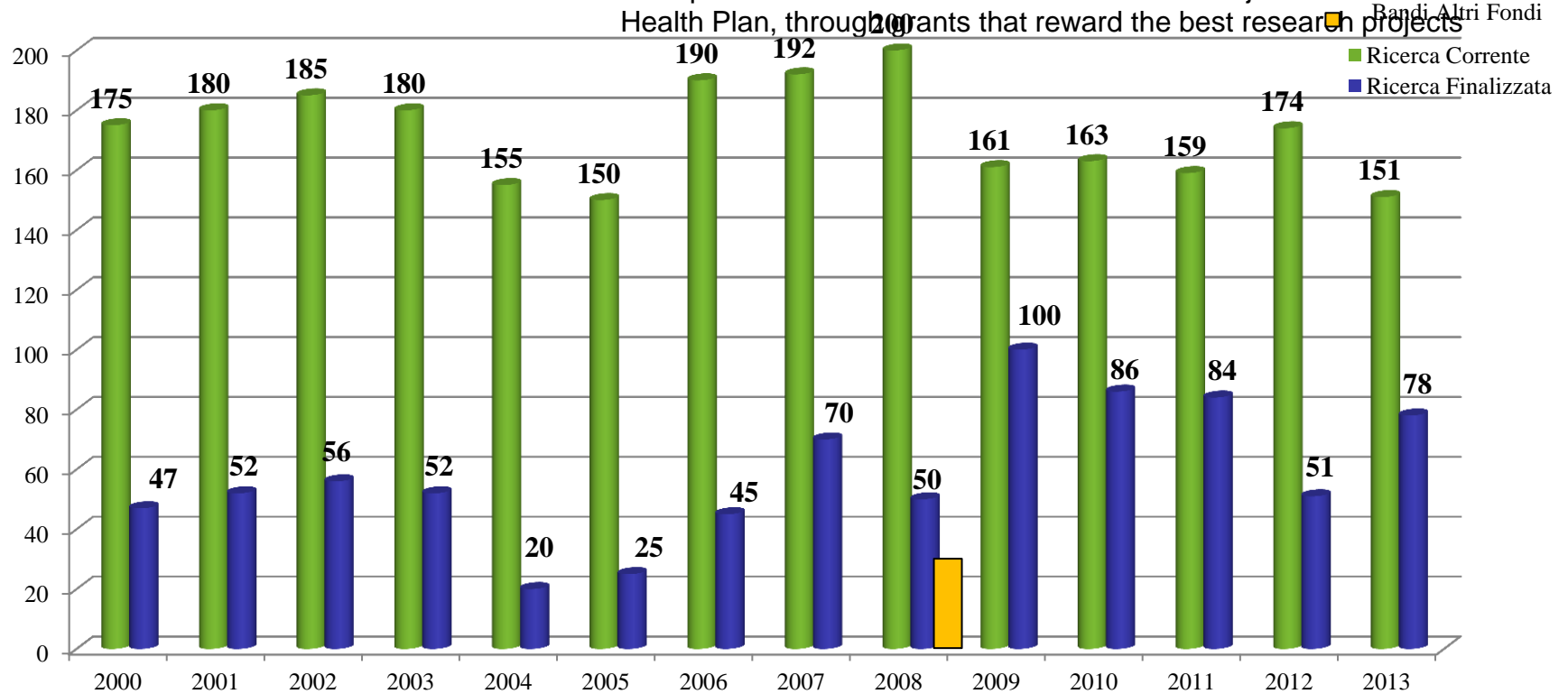
Funds for Health Research of the Ministry of Health

Global trend in the last 11 years

Aimed Research (Ricerca Finalizzata)

Aimed to all the Participants belonging to the NHS Research Network

To implement the main biomedical and health objectives of the National Health Plan, through grants that reward the best research projects



* Nella RF 20 milioni riservati agli IRCCS

In Addition € 1 Billion for Salary Costs Permanent Staff for up 10.000 Researchers

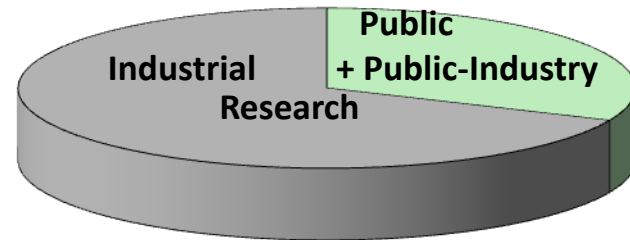
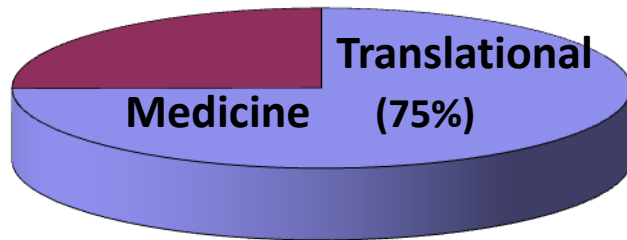
ITALIAN GOVERNMENTAL FUNDING FOR TRASLATIONAL RESEARCH

MoH funding of Health Research

MIUR funding of Translational Medicine

2007-2009 = 1.014 MEuro

2007-2009 = 585 MEuro



2013

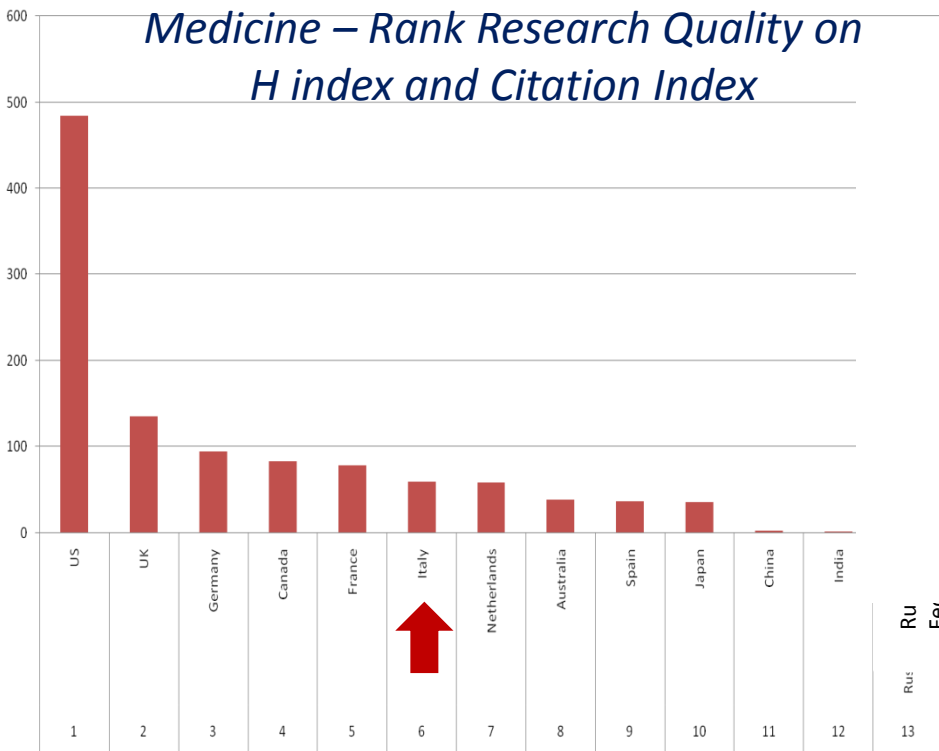
EVERY 5 EUROS INVESTED IN BIOMEDICAL RESEARCH
CALL

UP TO 3,5 EUROS FROM MOH – 1,5 EUROS FROM MIUR

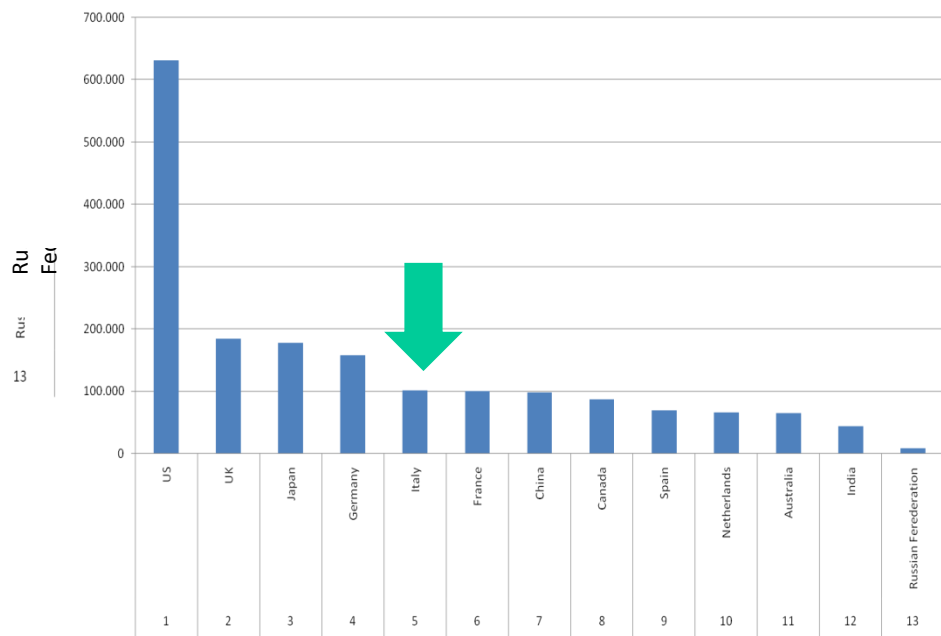


2013 - Quality and Quantity of the Italian Research in Biomedical Sector

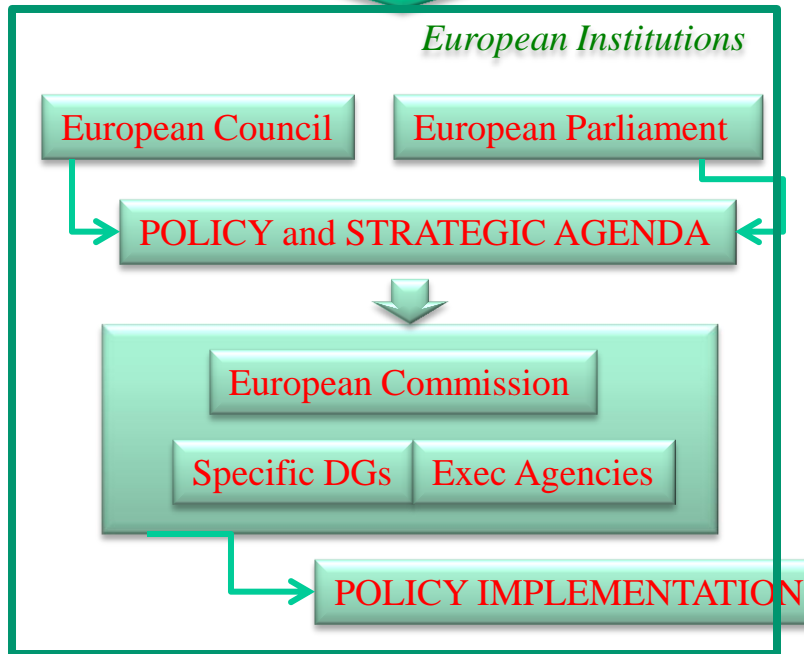
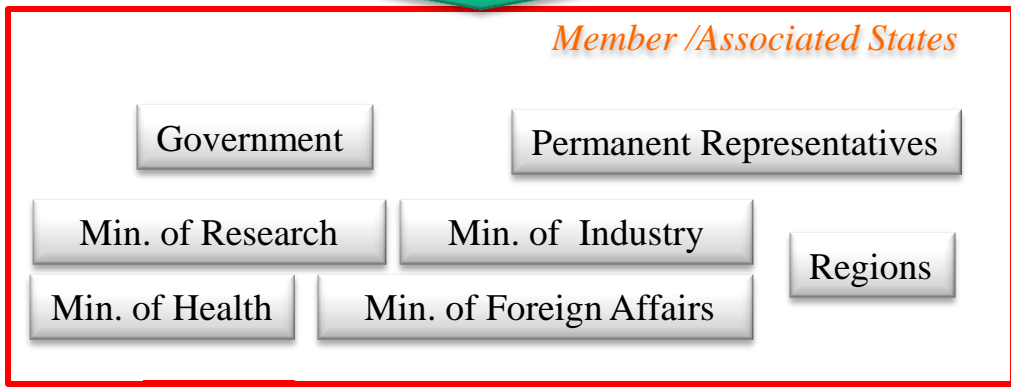
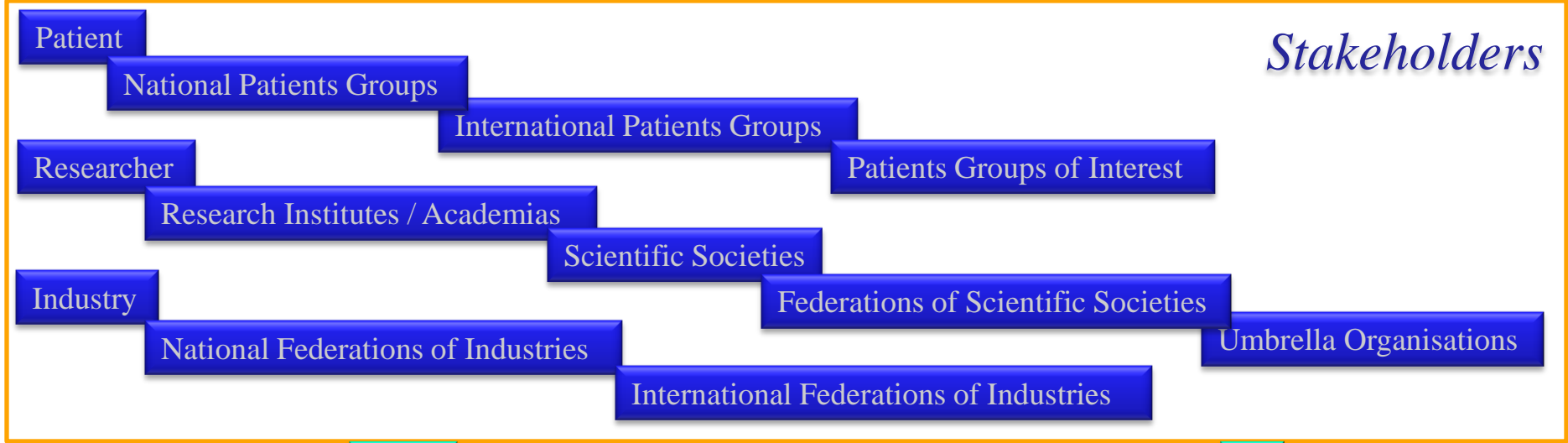
Medicine – Rank Research Quality on H index and Citation Index



Medicine – Rank on Research Activities Number of Publications



EU – CONSULTATION PROCESS



EU CONSULTATION PROCESS

Workshops

Conferences

Inputs from scientific societies, etc)

Consultation with Commission (non compulsory)



Workprogramme proposal

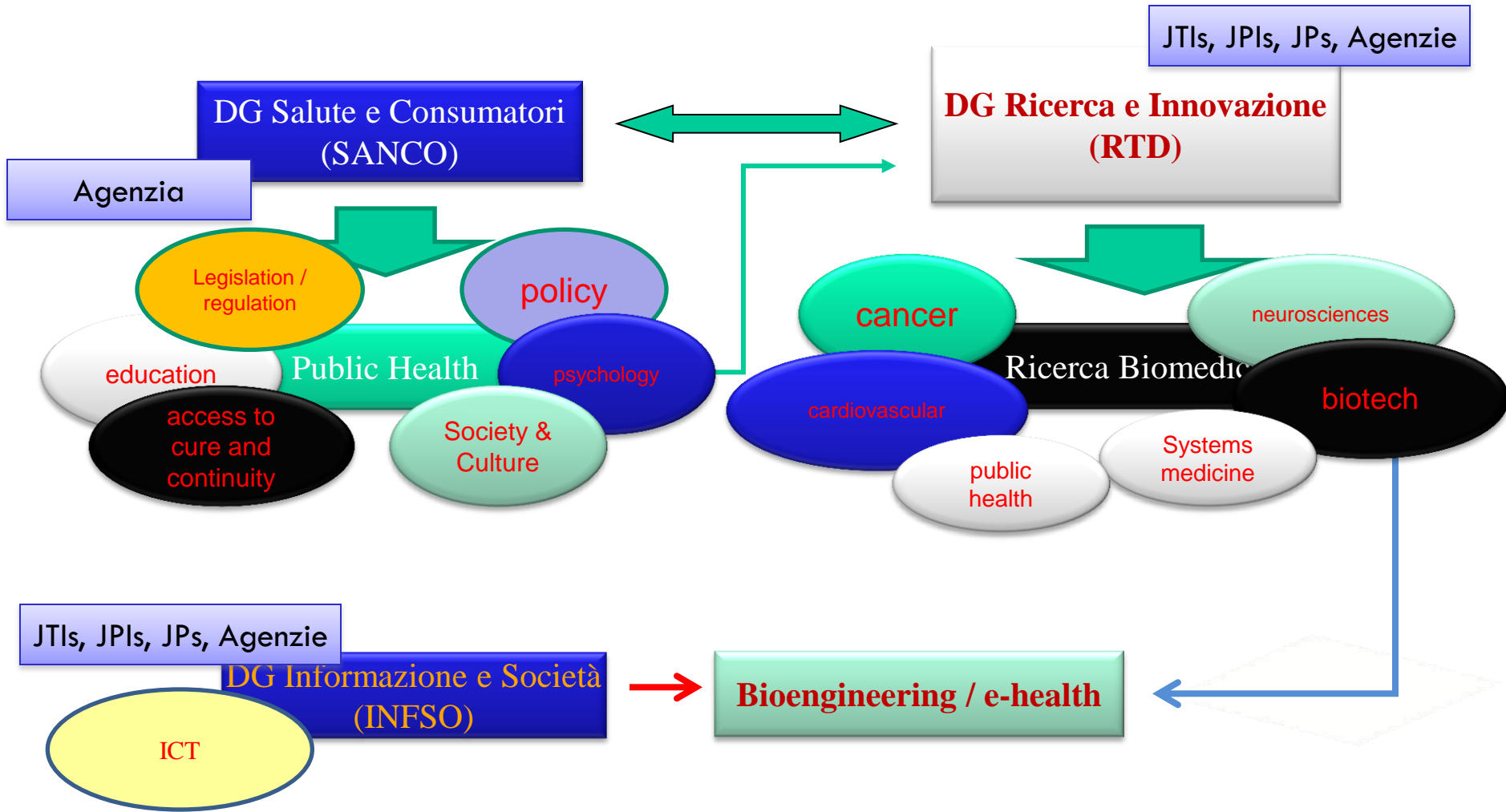
Consultation with Commission (compulsory)

Advisory Group

Workprogramme Definitive text

Programme Committee







The Last Strategies in Research Biomedical Sector

THE NATIONAL PILLARS



IT MOH Biomedical Research Strategies : Principal Milestones

- Setup and Support Network for Biomedical Research
- Support the Italian Researchers involved in Projects at EU or International Level
- Grant Call: Award the Best Projects
- REMOVE All Programme for Specific Areas
- Support Network between Italian Institutions and Italian Researchers Abroad

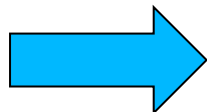
**STRESS Quality and Competitiveness' Italian
Research in Biomedical Sector**



The Framework for a EU Research The It-MOH Point of View

**NATIONAL
CALL**

National
Rules and
Strategies



**JOINT
INITIATIVE
Eranet and JPI**

Common Tools to
Harmonized the
Different National
Startegies in a EU
Level



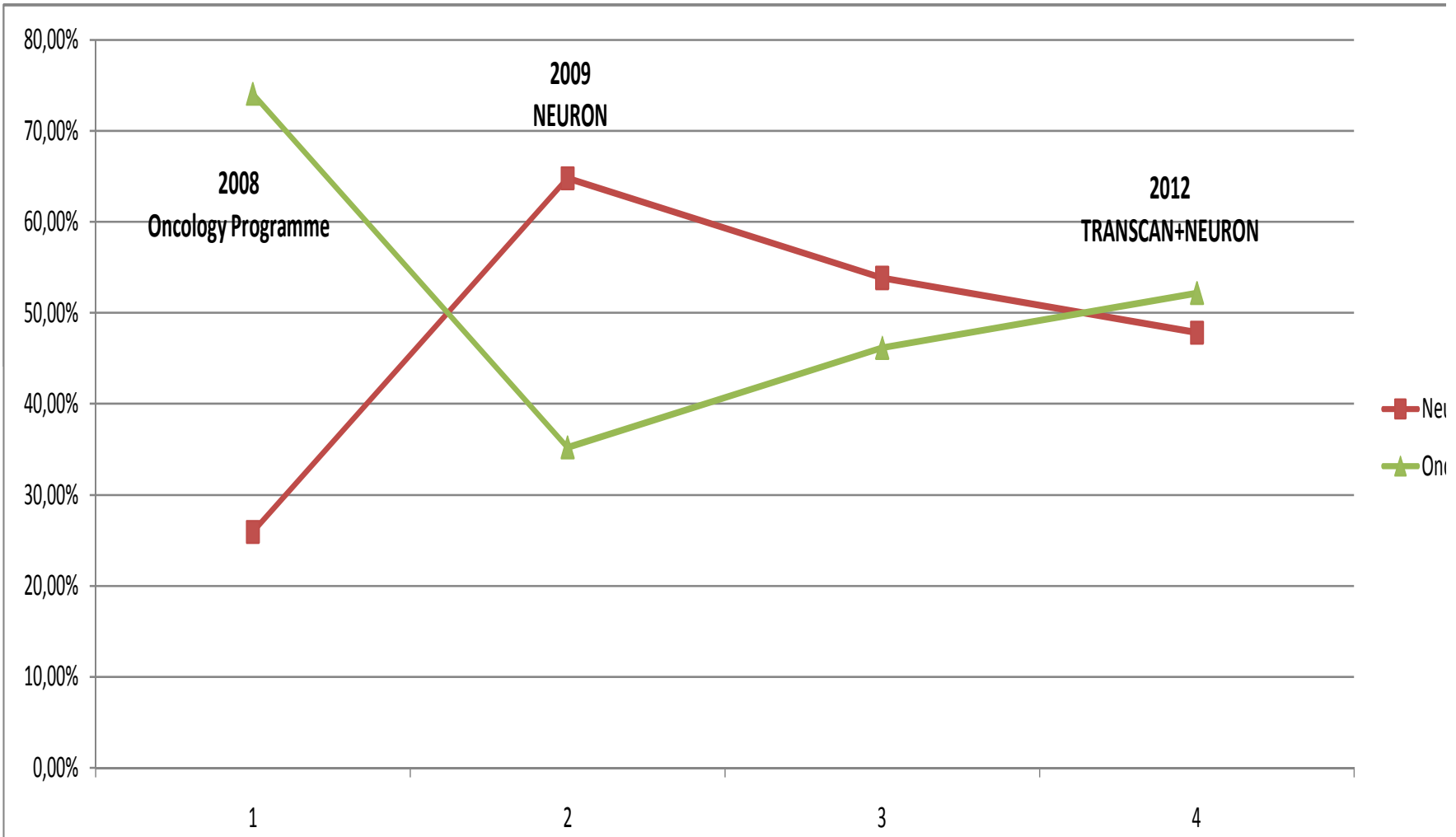
EU H2020

Common
Rules and
Strategies at
European
Level

EFFECT OF ERANET STRATEGY

Success Rate National Calls

NEUROLOGY VS ONCOLOGY



Joint EU Projects Supported Directly by the Italian MOH in the Last Three Years

EUROPEAN PROJECTS:

Support in Joint Call (JTC) with other European Countries

- **JTC ERANET TRANSCAN (Oncology) Coordinator IT-MOH**
- **JTC ERANET NEURON (Neurology)**
- **JTC ERANET E-RARE (Rare Diseases)**
- **JTC ERANET EURONANOMED (Nano Medicine)**
- **JTC ERANET SYSTEM MEDICINE (starting on 2014)**
- **JTC ERANET CARDIOVASCULAR (starting on 2015)**
- **Joint Programming Initiative Neurodegenerative Diseases (JPND)**
- **Joint Programming Initiative More Year Better Life (Ageing and Demography Change)**
- **Coordination and Support Action Personalized Medicine (future JTC)**



NATIONAL CALL – Principal Pillar

LAST FUNDED CALL

OPEN TO ALL BIOMEDICAL EXPERT AREAS

**Free participation to all NHS Researchers
140 million Funding Grant**

Introduction
Dec-March 2013

Final Rank
31 Jan 2014

Projects Submitted **4.158**
Projects Evaluated
3.158

Funded Projects **294**

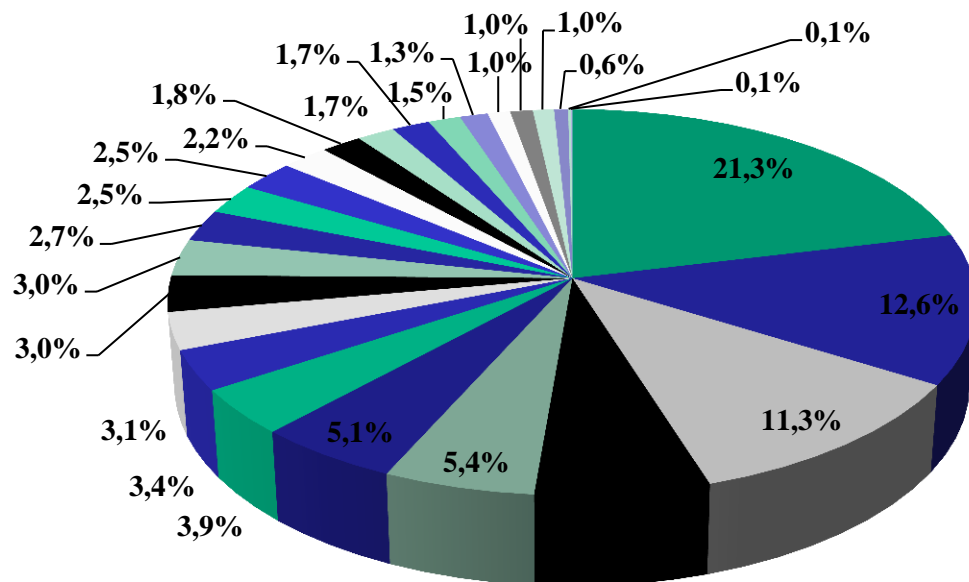
- Up to 60 million for young researchers
- Feasibility of co-financing with participation of Regions, Private Company and Stakeholders
- 50% Funding to biomedical research (Early Translational) and
- 50 % to clinical-healthcare research (Later Translational)
- classification of projects according to rankings derived from NIH-CSR in order to facilitate the Automatic and Blind Link Referee – Project
- Ratings by Referee reported by the NIH-CSR and living outside Italy

The list of projects for funding is pursuant only to the scientific quality independently from the Expertise Area

This is the call of the Italian National Health System

LAST FUNDED CALL RF2011-2012

3.158 PROPOSED APPLICATION EXPERTISE AREAS DISTRIBUTION



391 Projects Funded

REAL NHS CONTRIBUTION – DIRECT AND INDIRECT COSTS- TOTAL VALUE FUNDED PROJECTS

800 Million euros

- Brain Disorders and Clinical Neuroscience
- Oncology 2 - Translational Clinical
- Oncology 1 - Basic Translational
- Genes, Genomes and Genetics
- Cardiovascular and Respiratory Sciences
- Immunology
- Musculoskeletal, Oral and Skin Sciences
- Infectious Diseases and Microbiology
- Biobehavioral and Behavioral Processes
- Endocrinology, Metabolism, Nutrition and Reproductive Sciences
- Molecular, Cellular, and Developmental Neuroscience
- Bioengineering Sciences and Technologies
- Healthcare Delivery and Methodologies
- Surgical Sciences, Biomedical Imaging, and Bioengineering
- Vascular and Hematology
- Integrative, Functional, and Cognitive Neuroscience
- Cell Biology
- Digestive, Kidney and Urological Systems
- AIDS and Related Research
- Risk, Prevention and Health Behavior
- Emerging Technologies and Training in Neurosciences
- Population Sciences and Epidemiology
- Biology of Development and Aging
- Biological Chemistry and Macromolecular Biophysics
- Veterinary
- Interdisciplinary Molecular Sciences and Training



New CALL: start 18 June 2014

Budget 74 Milion

New Diagnostic, Therapeutic and Healthcare Strategies in :

- 1- Dis-metabolism and Cardiovascular Diseases
- 2- Neurology Diseases
- 3- Oncology
- 4- Immunologic and Infectious Diseases
- 5- New Biotechnology
- 6- Food Safety and Veterinary Health
- 7- Environmental and Work Related Diseases
- 8 – Public Health Organisation



New CALL: June 2014

74 Million Euros

- 10 Million for Great Network Projects
- 10 Million for Collaboration Projects with Italian Researchers Abroad
- 5 Million for Industry Collaboration Projects
- 27,5 Million in for Italian Young Researchers
- Other Fund is allocate to the Best Projects

Network degli IRCCS

Unità di Coordinamento misto MdS-IRCCS / CNRS
Coordinamento scientifico
Integrazione con le Regioni



Networking



Researchers Relationship Management



Administrative & Management Support



Policy Support



REGIONI / Conferenza S-R

National Consultant (APRE)

Contributo coordinato

MIUR - ISS
Comitati di Programma / Advisory Boards

Territorio

(Servizi, Produttive)

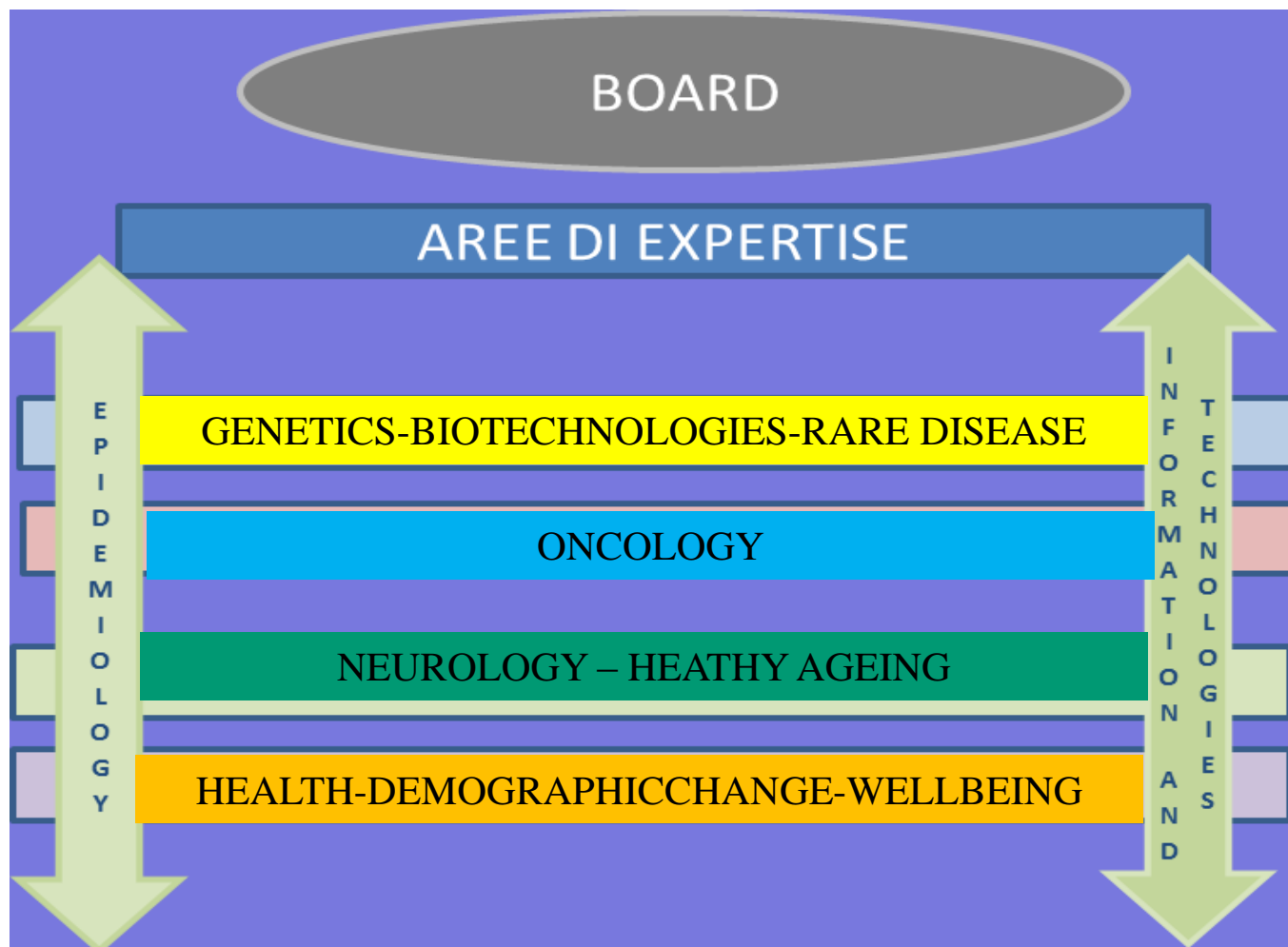
Attività

Consultazione non-obbligatoria (Lobby)

Consultazione obbligatoria

ISTITUZIONI EUROPEE

IRCCS INTERNATIONAL ACTIVITIES NETWORK



Rappresentanti degli IRCCS:

Claudio Bordignon, Ospedale San Raffaele
Bruno Dellapiccola, Ospedale Pediatrico Bambin Gesù
Giovanni De Girolamo, Centro san Giovanni di Dio Fatebenefratelli
Giuseppe Ippolito, Istituto per le Malattie Infettive Lazzaro Spallanzani
Antonio Moschetta, Istituto Tumori Giovanni Paolo II
Pier Giuseppe Pelicci, Istituto europeo di Oncologia
Angelo Luigi Vescovi, Ospedale Casa Sollievo della Sofferenza

Rappresentanti degli altri Destinatari Istituzionali:

Stefano Cinotti, IZS Lombardia ed ER
Roberto Grilli, Regione Emilia Romagna,
Sergio Iavicoli, INAIL
Giada Li Calzi, Regione Sicilia,
Massimo Mirandola, MATTONE Internazionale,
Fabrizio Oleari, ISS
Gabriella Paoli, Regione Liguria,
Alberto Zanobini, MATTONE Internazionale

Genetics, Biotechnologies, Rare Diseases

Del Mistro Annarosa, Istituto Oncologico Veneto

Gasparini Paolo, Ospedale infantile Burlo Garofolo

Martini Alberto, Istituto Giannina Gaslini

Nicoletti Ferdinando, Istituto Neurologico Mediterraneo Neuromed

Peyvandi Flora, Fondazione Ca'Granda – Ospedale Maggiore Policlinico

Picardo Mauro, Istituti fisioterapici ospitalieri - Istituto Dermatologico Santa Maria e San Gallicano

Russo Giandomenico, Istituto Dermopatico dell'Immacolata (IDI)

Sangiorgi Luca, Istituto Ortopedico Rizzoli

Information and Communication Technologies

Andrich Renzo, Fondazione Don Carlo Gnocchi

Annicchiarico Roberta, Fondazione Santa Lucia

Moretti Matteo, Istituto Ortopedico Galeazzi

Benfenati Emilio, Istituto Mario Negri

Epidemiology

Baiardi Paola, Fondazione Salvatore Maugeri

Neurology, Healthy Ageing

Antonini Angelo, Ospedale San Camillo

Blandini Fabio, Fondazione Istituto Neurologico Casimiro Mondino

Marino Silvia, Centro Neurolesi Bonino Pulejo

Martinuzzi Andrea, Istituto Eugenio Medea

Tagliavini Fabrizio, Fondazione Istituto Neurologico Carlo Besta

Health, Demographic Change, Wellbeing

Klersy Catherine, Fondazione Policlinico San Matteo

Oncology

Allavena Paola, Istituto Clinico Humanitas

Colombatti Alfonso, Centro di riferimento oncologico di Aviano

Piaggio Giulia, Istituto Nazionale Tumori Regina Elena

Krogh Vittorio, Fondazione Istituto Nazionale per lo studio e la cura dei tumori

Bruzzi Paolo, Azienda ospedaliera universitaria San Martino - IST

Paganelli Giovanni, IRST Meldola

Buonaguro Luigi, Istituto nazionale tumori Fondazione Giovanni Pascale



“We must assure to the citizens that we can choose the best projects, which, for their quality, should be the more functional to the growth of the country; **essentially we have to guarantee that the taxpayers' money is well spent.**

Thus the satisfaction of the scientific world is only a consequence of the serious work done, but primarily **we have to respond to the citizen on the proper use of resources”.**

A PHILOSOPHY OF TRANSPARENCY

At the end of the assessment process the Principal Investigator has access to all the information related to the evaluation of his project and all the Ranking List and Official Document of the Evaluation Procedure are published on Ministerial Official Web Site.



Ministero della Salute

**Direzione Generale Ricerca Sanitaria e
Biomedica e della Vigilanza sugli Enti**



**Thank You
for Your Attention**