



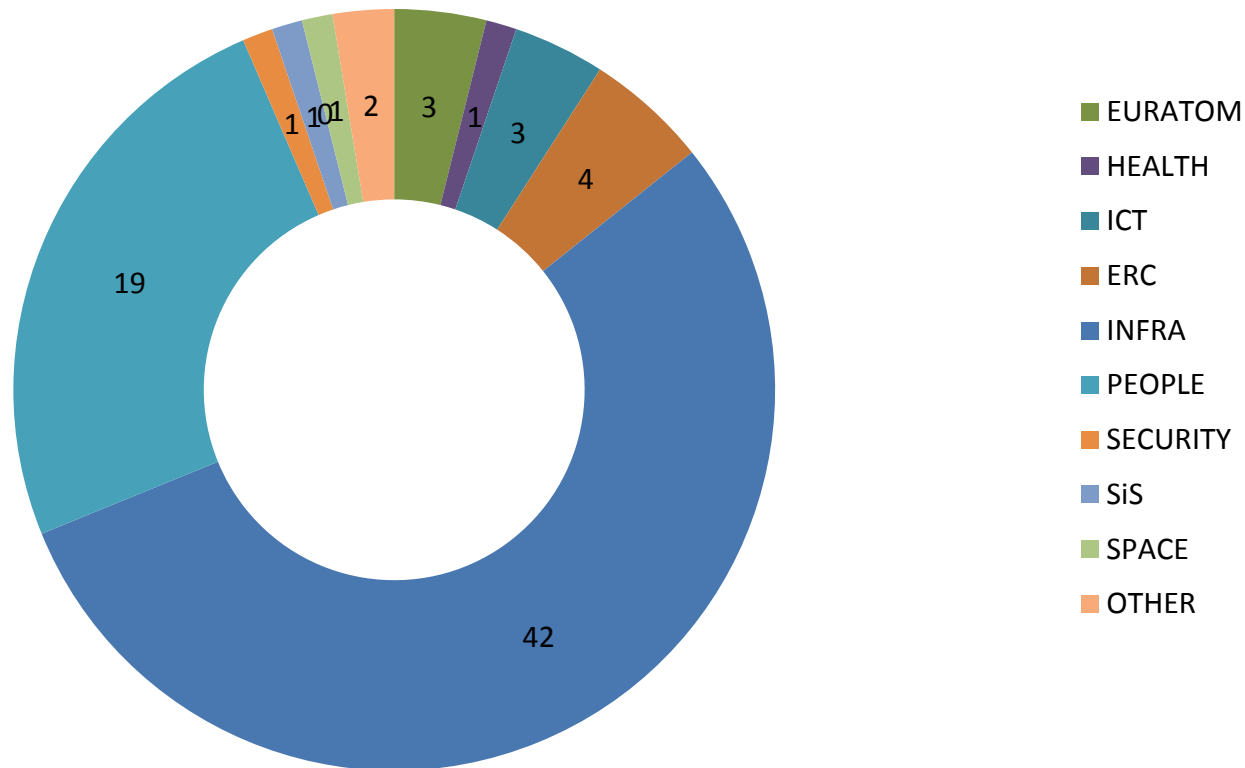
INFN & Common Strategic Task Force

**un modello organizzativo
a supporto della ricerca**

Genova – 31 maggio 2013

Alberto ANFOSSI

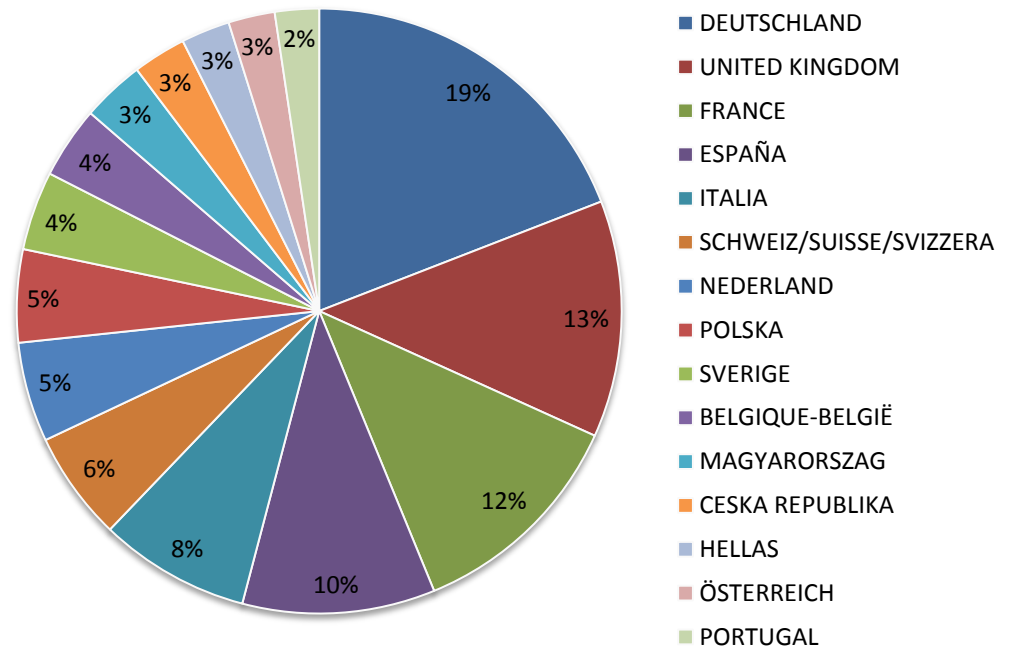
Circa (...) 80 progetti vinti



9 progetti coordinati

1.052 partners

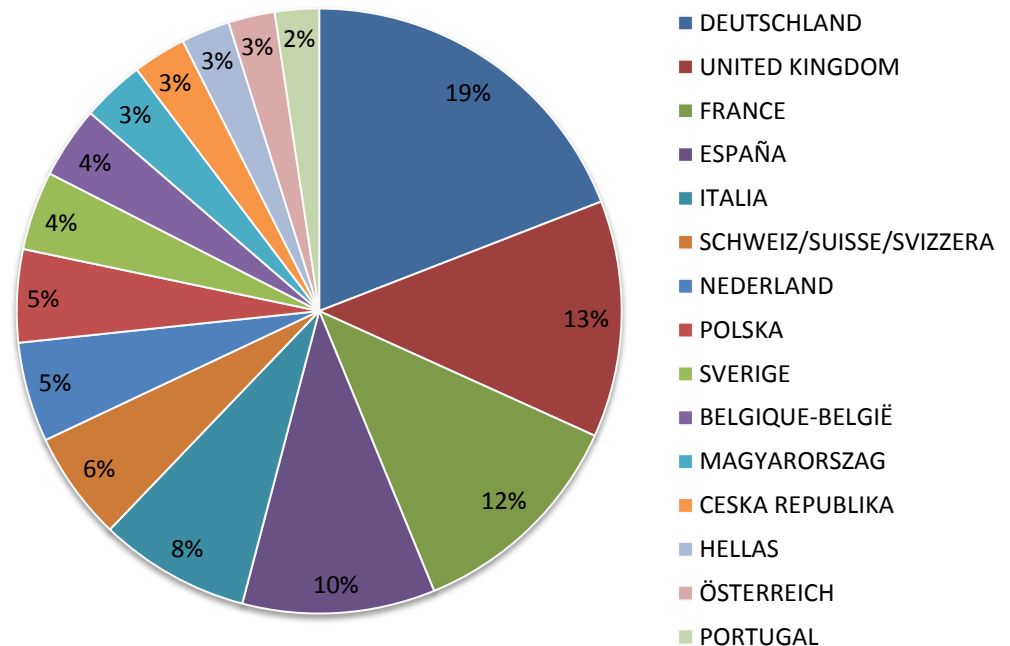
Nazionalità dei Partners (primi 15)



9 progetti coordinati

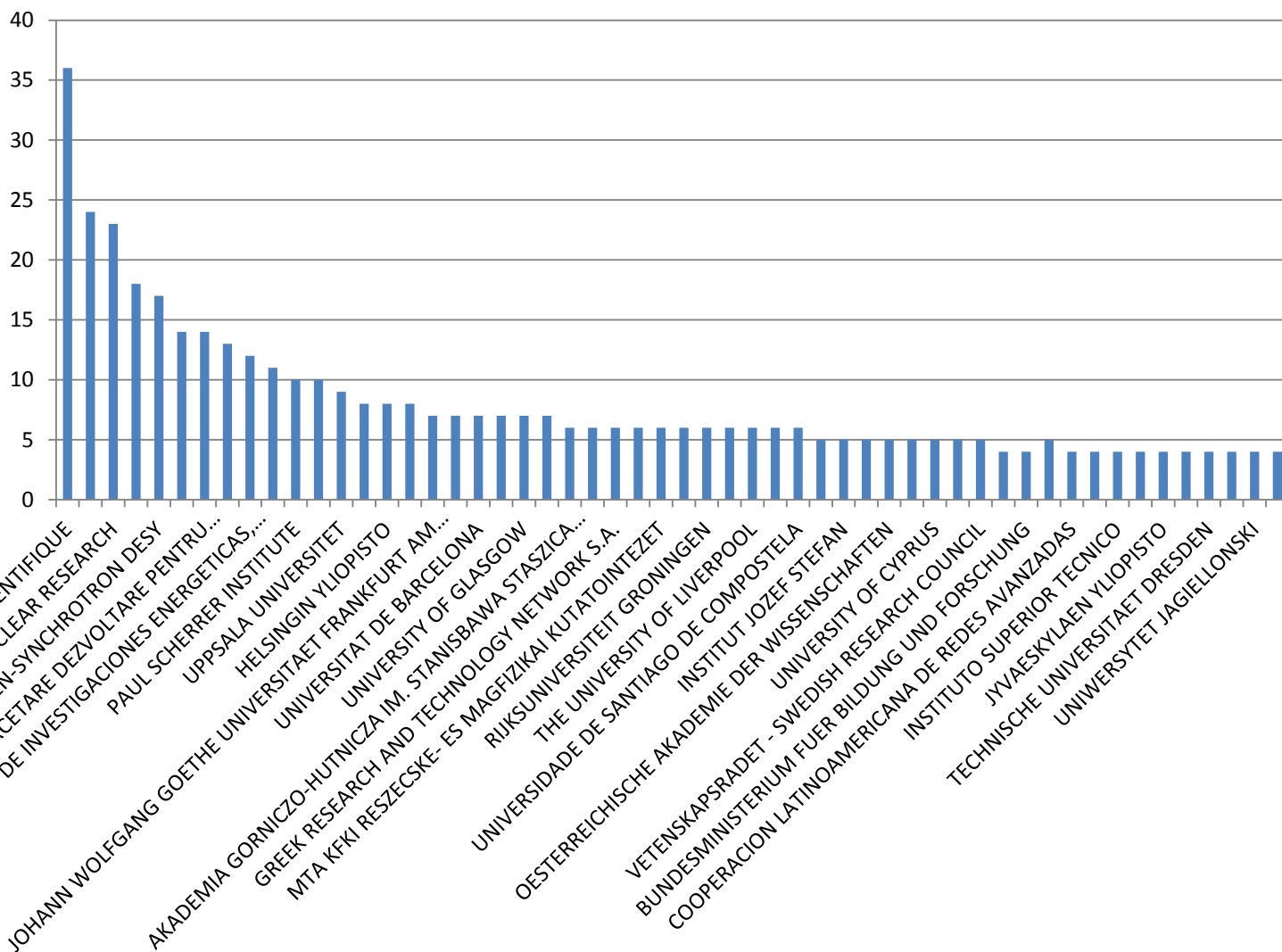
1.052 partners

Nazionalità dei Partners (primi 15)

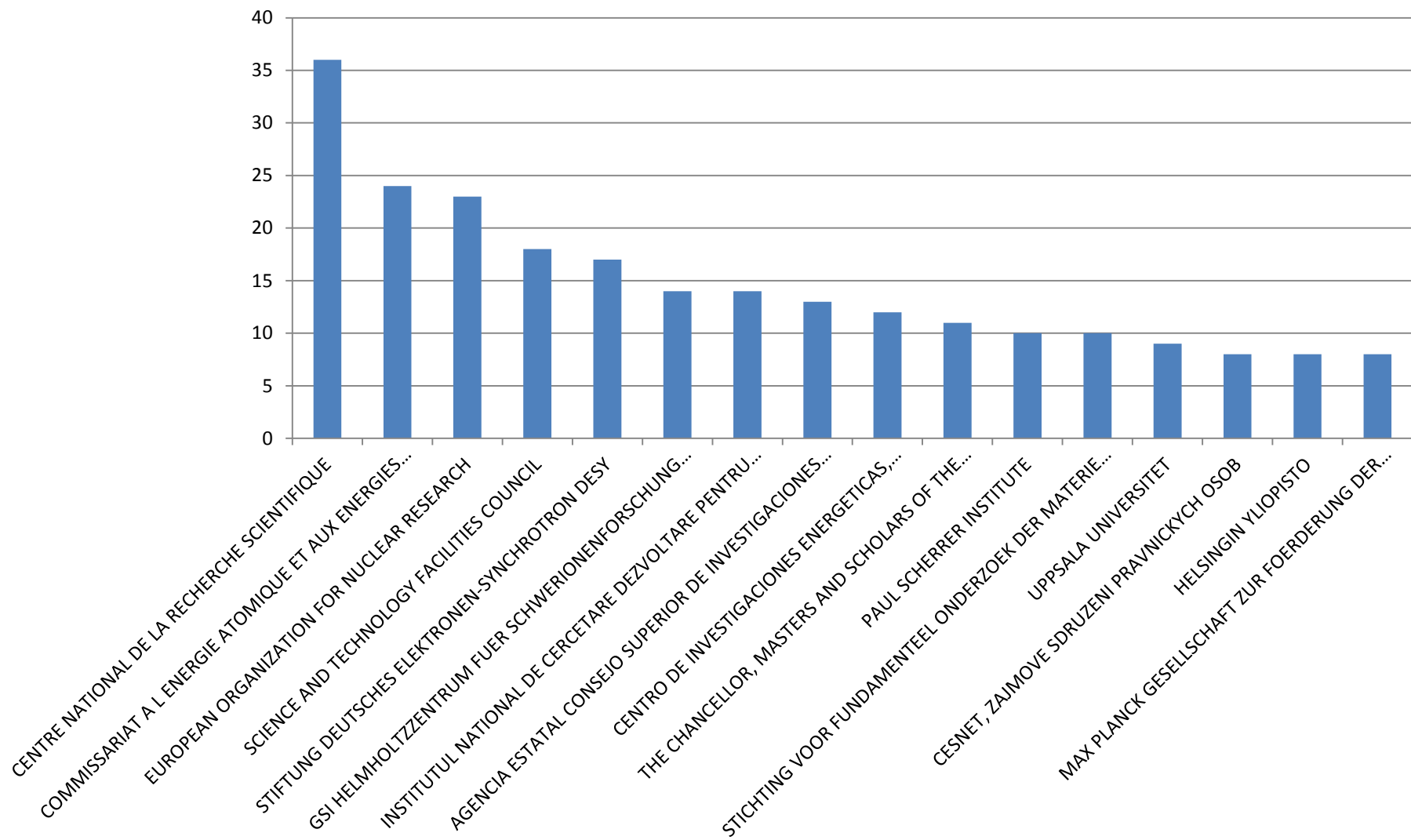




I partners



1 partners



	# PROG	ENERGY	ENV	EURATOM	HEALTH	ICT	ERC	INFRA	JTI	KBBE	NANO	PEOPLE	SECURITY	SiS	SME	SPACE	SSH	TRANSPORT	OTHER
INFN	77	0	0	3	1	3	4	42	0	0	0	19	1	1	0	1	0	0	2
ENEA	116	19	9	23	0	2	2	11	10	5	7	5	8	1	2	3	0	7	2
PAUL SCHERRER INSTITUTE	25	1	3	11	0	0	0	9	0	0	1	0	0	0	0	0	0	0	0
CEA	530	22	15	50	26	139	36	47	29	7	47	48	29	3	4	10	0	13	5
CNRS	1290	26	57	21	74	123	182	108	16	39	71	423	6	9	8	34	21	41	31
CERN	104	0	1	3	2	4	9	34	0	0	0	46	0	2	0	1	0	1	1
SCIENCE AND TECHNOLOGY FACILITIES COUNCIL	96	0	1	0	3	13	2	60	0	1	0	5	0	2	0	6	0	1	2
STIFTUNG DEUTSCHES ELEKTRONEN-SYNCHROTRON DESY	33	0	0	0	1	0	0	22	0	0	2	7	0	0	0	0	0	0	1
GSF HELMHOLTZZENTRUM FUER SCHWERIONENFORSCHUNG GMBH	32	0	0	3	1	0	1	15	0	0	1	10	0	0	0	0	0	0	1
INSTITUTUL NATIONAL DE CERCETARE DEZVOLTARE PENTRU FIZICA LASERILOR PLASMEI SI RADIATIEI	34	0	2	5	0	1	0	16	0	0	2	3	0	2	1	1	0	0	1
AGENCIA ESTATAL CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS	556	12	40	2	36	27	30	43	6	53	43	212	3	8	12	6	11	2	10
CENTRO DE INVESTIGACIONES ENERGETICAS, MEDIOAMBIENTALES Y TECNOLOGICAS	66	11	4	30	3	0	0	13	1	1	0	2	0	0	1	0	0	0	0
STICHTING VOOR FUNDAMENTEEL ONDERZOEK DER MATERIE - FOM	35	0	0	1	0	2	5	7	0	0	1	18	0	0	0	0	0	0	1
MAX PLANCK GESELLSCHAFT ZUR FOERDERUNG DER WISSENSCHAFTEN E.V.	562	6	37	2	63	38	98	53	0	12	22	209	0	2	0	9	7	3	1
INSTITUTE OF NUCLEAR RESEARCH AND NUCLEAR ENERGY - BULGARIAN ACADEMY OF SCIENCES	52	1	1	17	0	5	1	16	0	0	1	7	1	0	0	0	0	0	2
THE HENRYK NIEWODNICZANSKI INSTITUTE OF NUCLEAR PHYSICS, POLISH ACADEMY OF SCIENCES	14	0	0	0	0	0	0	8	0	0	1	4	0	0	0	1	0	0	0
LABORATORIO DE INSTRUMENTACAO E FISICA EXPERIMENTAL DE PARTICULAS	8	0	0	0	1	1	0	4	0	0	0	2	0	0	0	0	0	0	0
CONSIGLIO NAZIONALE DELLE RICERCHE	515	9	48	4	18	98	20	50	12	36	67	77	11	4	16	17	3	14	11
GRAND ACCELERATEUR NATIONAL D'IONS LOURDS	5	0	0	0	0	0	0	3	0	0	0	2	0	0	0	0	0	0	0
ION BEAM APPLICATIONS SA	6	0	0	0	1	1	0	1	0	0	0	2	0	0	0	0	0	0	1
NUCLEAR PHYSICS INSTITUTE OF THE ASCR VVI	5	0	0	1	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0
SINCROTRONE TRIESTE SCPA	16	0	0	0	0	1	1	8	0	0	2	4	0	0	0	0	0	0	0
COLUMBUS SUPERCONDUCTORS SPA	2	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
FONDAZIONE PER ADROTERAPIA ONCOLOGICA - TERA	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
CNAO	2	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0
ANSALDO NUCLEARE	11	0	1	9	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Università Italiane	1640	42	61	16	180	309	93	38	56	93	98	325	26	16	67	38	44	118	20



H2020: POTENZIALE

**INFN
CORE
ACTIVITY**

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**TEMI
DI
HORIZON 2020**

Horizon 2020



What is Horizon 2020

70.2

- Commission proposal for a ~~80~~ billion euro research and innovation funding programme (2014-2020)
- A core part of Europe 2020, Innovation Union & European Research Area:
 - **Responding to the economic crisis** to invest in future jobs and growth
 - **Addressing people's concerns** about their livelihoods, safety and environment
 - **Strengthening the EU's global position** in research, innovation and technology



What's new

- **A single programme** bringing together three separate programmes/initiatives*
- **Coupling research to innovation** – from research to retail, all forms of innovation
- **Focus on societal challenges** facing EU society, e.g. health, clean energy and transport
- **Simplified access**, for all companies, universities, institutes in all EU countries and beyond.

*The 7th Research Framework Programme (FP7), innovation aspects of Competitiveness and Innovation Framework Programme (CIP), EU contribution to the European Institute of Innovation and Technology (EIT)



Three priorities:

- 1. Excellent science**
- 2. Industrial leadership**
- 3. Societal challenges**

Europe 2020 priorities

European Research Area

International cooperation

Shared objectives and principles

Tackling Societal Challenges

- Health, demographic change and wellbeing
- Food security and the bio-based economy
- Secure, clean and efficient energy
- Smart, green and integrated transport
- Resource efficiency and climate action, including raw materials
- Inclusive, innovative and secure societies

EIT will contribute to addressing these challenges

Creating Industrial Leadership and Competitive Frameworks

- Leadership in enabling and industrial technologies
- Access to risk finance
- Innovation in SMEs

Excellence in the Science Base

- Frontier research (ERC)
- Future and Emerging Technologies (FET)
- Skills and career development (Marie Curie)
- Research infrastructures

Common rules, toolkit of funding schemes

Simplified access

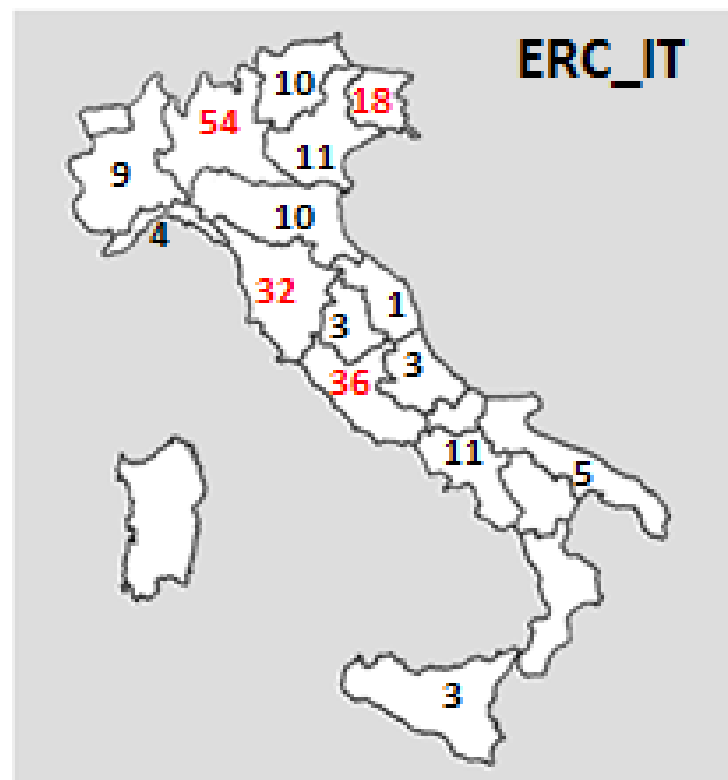
Coherent with other EU and MS

- Bandi altamente competitivi (success rate 13%)
- Fondamentale il CV
- Fondamentale la visione scientifica: individuare il TEMA e l'IDEA
- Fondamentale saper comunicare e convincere: fattibilità, rischio, capacità del PI

Risultati aggregati calls StG+AdG 2007-2012

Europa

1.	Inghilterra	764
2.	Germania	478
3.	Francia	465
4.	Olanda	277
5.	Svizzera	252
6.	Italia	208
7.	Spagna	191
8.	Israele	176
9.	Svezia	129
10.	Belgio	113

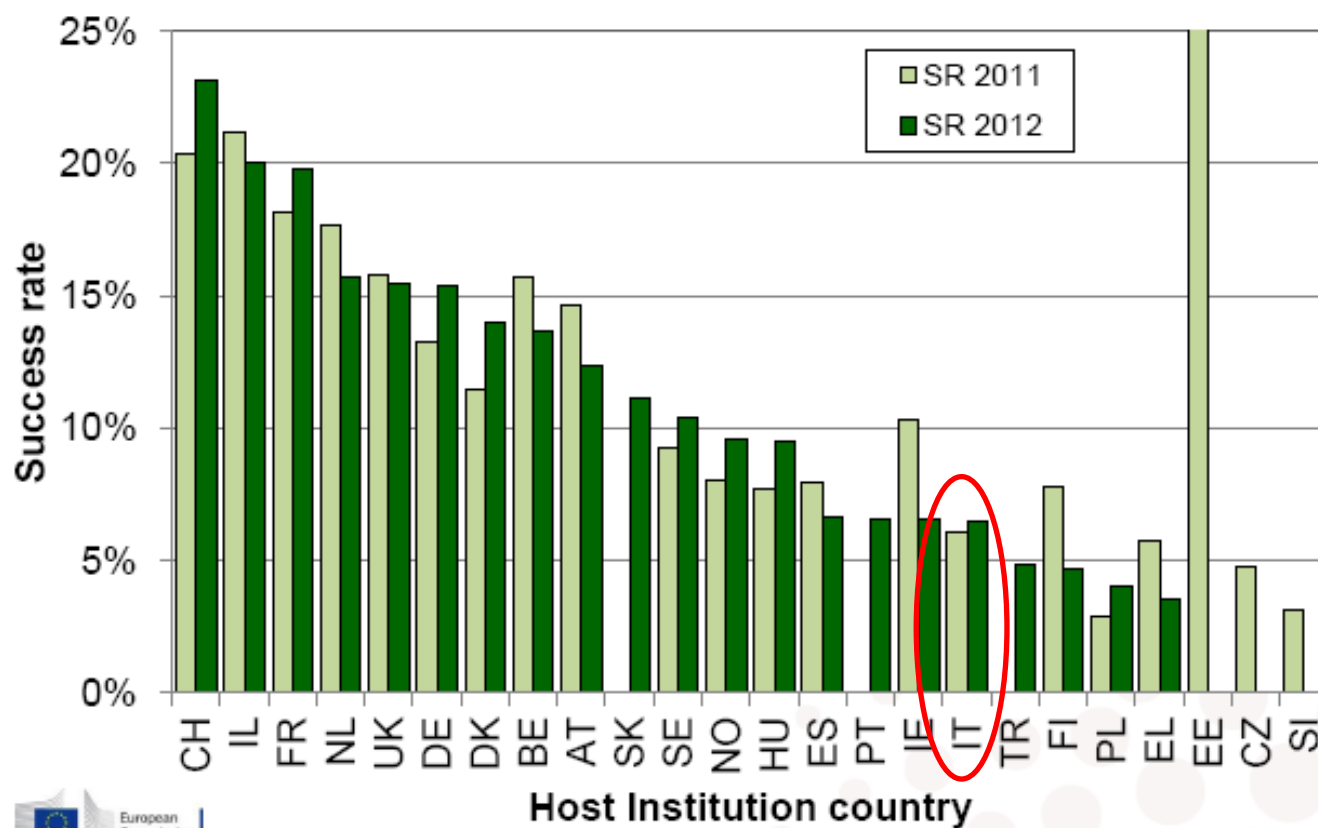


STG 2011-2012

Success rates by host institution country



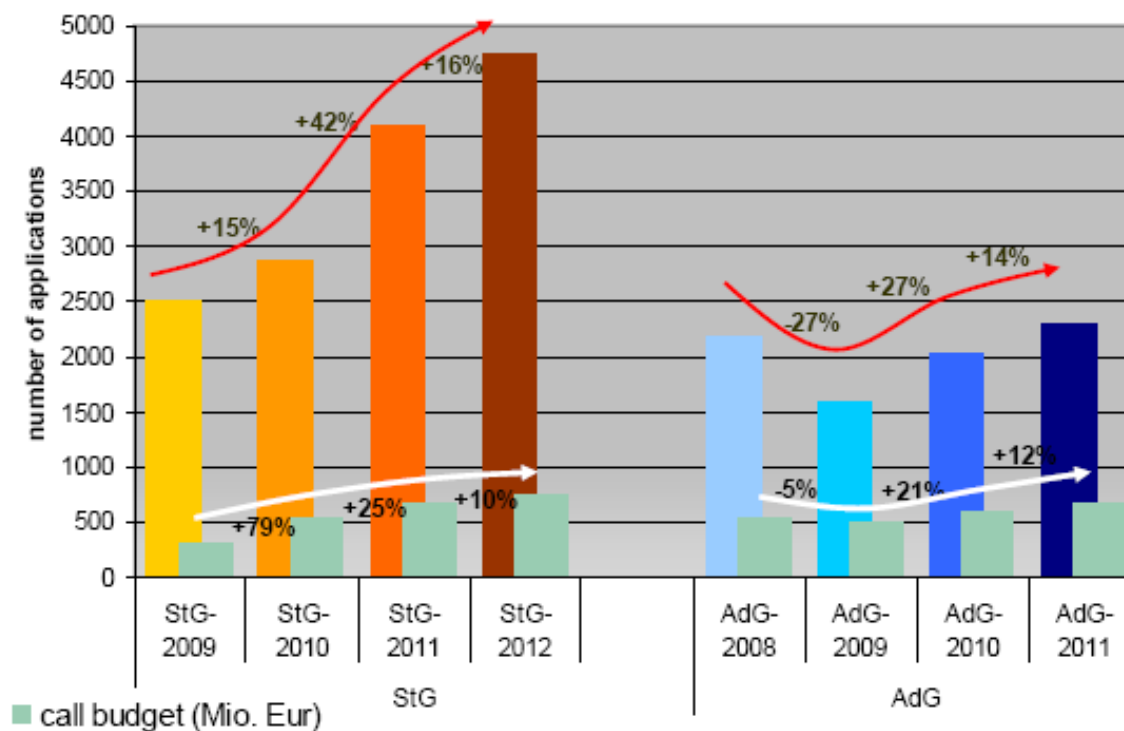
European Research Council
Established by the European Commission



Le applications



European Research Council
Established by the European Commission



- Competizione crescente
- Posizione Italia e INFN
- Investimento strategico in:
 - Formazione
 - Supporto
 - Career development plans per junior Pis
 - Azioni trasversali (coordinamento e advocacy)

CSTF nei fatti



Contatti con:

Camera di Commercio

Tessuto Produttivo

Centro Universitario Sportivo (CUS-Torino)

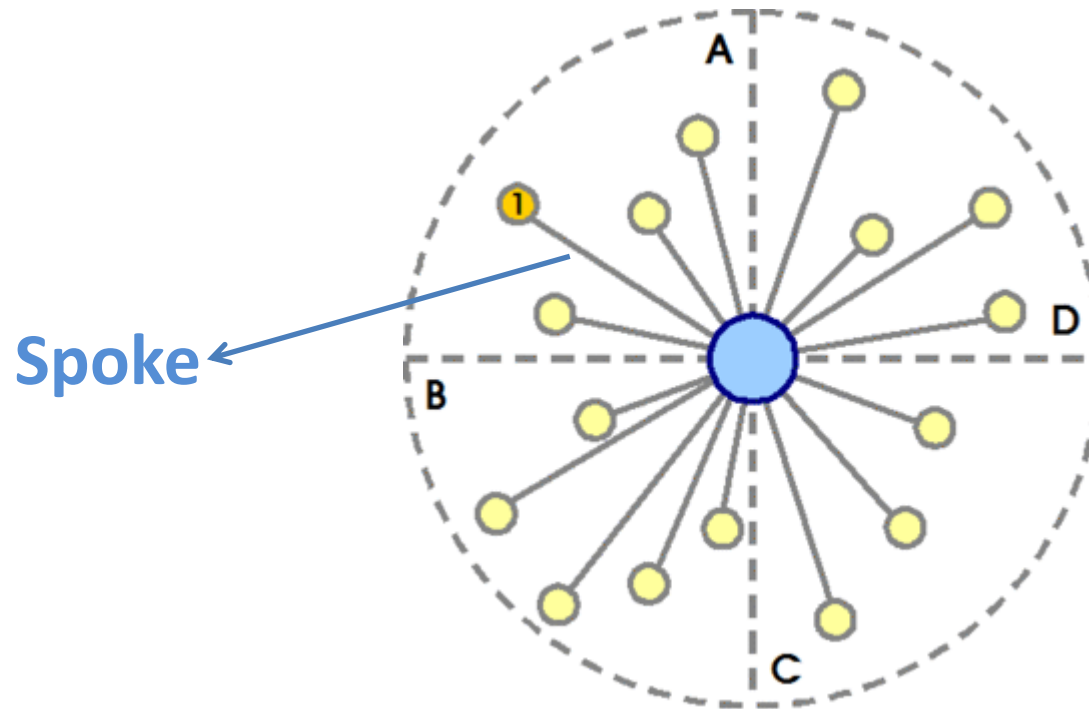
Centro Regionale Antidoping

Comune di Torino

Regione Piemonte

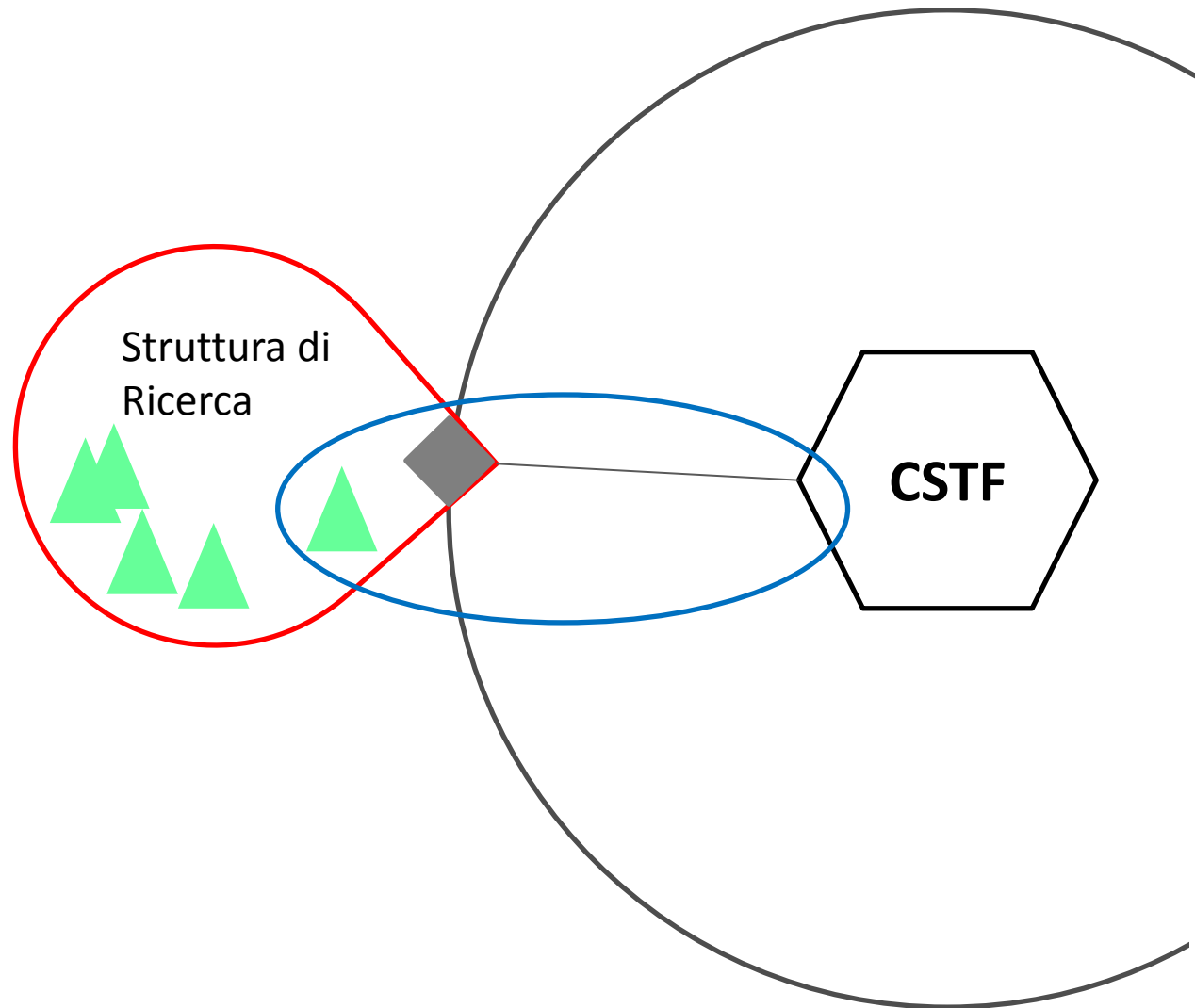
**Struttura di Servizi
Collaborativi
per lo Sviluppo
della Ricerca**

Hub and spoke



Modello a raggiera: dal **centro** alla **periferia**

Organizzazione



Research Teams

Spoke (x2)

- Scientifico
 - Lead/Call identification
 - Co authorship
- Amministrativo

Hub

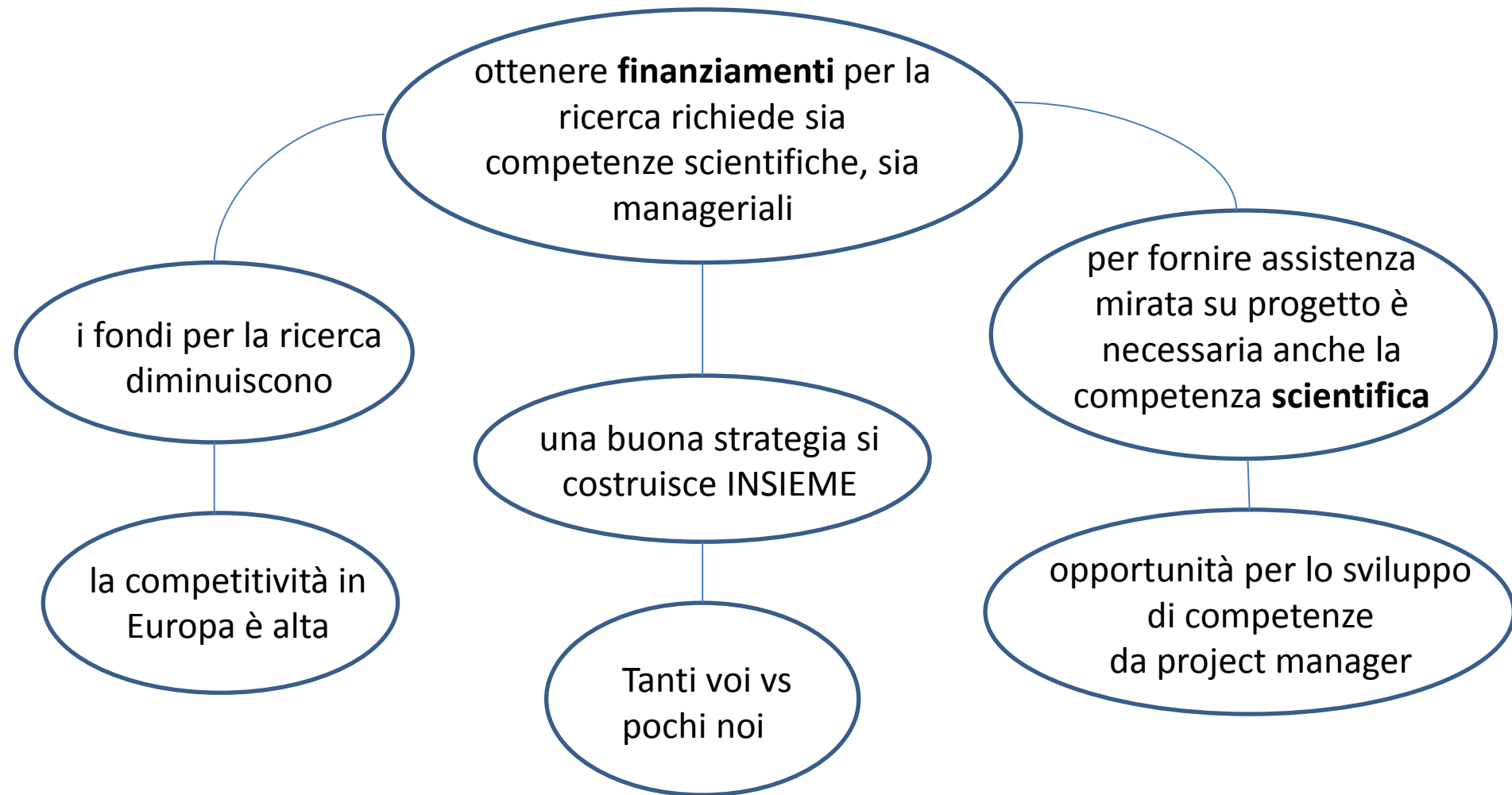
- Central Services
 - Lobbying/com.
 - Progettazione
 - Management

Lo spoke



TEAM

Lo spoke



Ruolo dello spoke

**Supporto ai gruppi di ricerca per
opportunità di finanziamento**



Come?

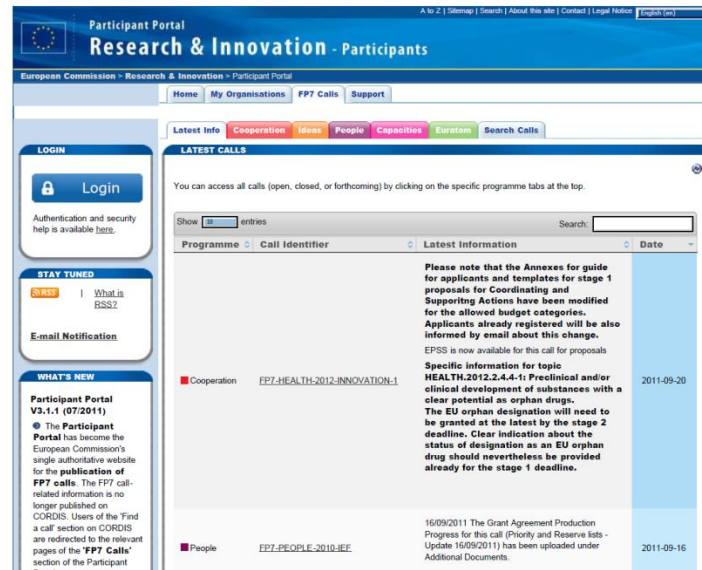
Conosce la sua sede/territorio

- conosce l'argomento di ricerca di tutti i gruppi che lavorano nella sede/laboratorio/territorio
- è in grado di interfacciarsi con ognuno di loro a livello scientifico

Conosce

i documenti di riferimento dei bandi

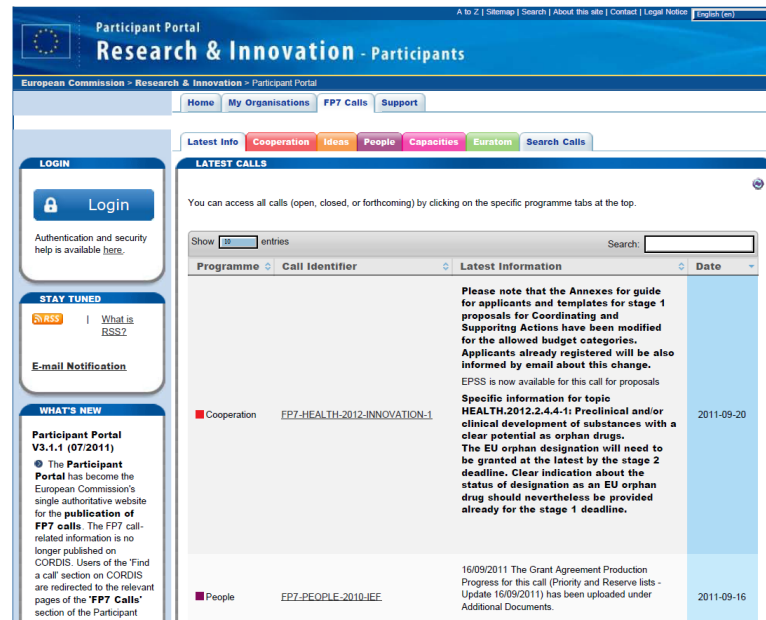
Cosa fa lo spoke (2)



- Legge **TUTTI** i bandi
- Individua **argomenti di interesse** per gruppi di ricerca nei bandi
- Conosce i siti di riferimento delle varie tematiche
- È informato sugli eventi di interesse
- Familiarizza con quanto finanziato nei vari temi

Cosa fa lo spoke (3)

Diffonde bandi e opportunità di finanziamento



- **Diffusione puntuale** delle opportunità aperte rispetto alle specifiche aree di interesse
- **Match** project proposal /topic

Cosa fa lo spoke (3bis)

Conoscenza delle **competenze**
Conoscenza dei **temi di ricerca**

Collaborazioni
Finanziamenti
Lavoro

Partecipa a eventi per la Sede/Laboratorio/Territorio

Rappresenta l'INFN a:

- eventi di brokeraggio
- giornate informative sui bandi



Organizza incontri

- presenta i bandi dal punto di vista scientifico
- organizza meeting tra referente CSTF e gruppi di ricerca
- segnala i bandi interessanti ai gruppi di ricerca



Supporta la presentazione dei progetti

- Supporto nella stesura della parte scientifica
- Coordinamento con referente CSTF per presentazione della proposta
- Monitoraggio avanzamento della proposta insieme a referente CSTF

In sinergia con il CSTF

- Partecipa a formazioni promosse dal CSTF
- Collabora con i referenti del CSTF
- Condivide le informazioni acquisite con il Dipartimento
- Anima le mailing list dedicate che saranno proposte dal CSTF

May 2013

INFN Advertisement

Scientific Spoke for the External Funds Unit



Background

INFN (www.infn.it) has recently put in place a single coordinating Unit to harmonize and support its participation in all competitive tenders (at EU level, or of regional and national origin, MIUR driven, or related to foundations - banking and not). The new "External Funds Unit" presents a "*hub and spoke*" organizational model which allows an adequate mapping of the geographical structure of INFN.

The Unit has a core (*hub*) at the Central Administration of the Institute and connects the other realities through personnel (*spokes*) which, on a macro-regional level, identify the most appropriate thematic channels for the professional skills available in a reference area. A scouting activity is also needed to increase the volume of submitted projects and to direct more intensively the efforts of the individuals to issues which, albeit apparently unrelated to the institutional activities of INFN, connect more easily to aspects of social relevance. Collaborations with structures performing similar tasks in other administrations have been already activated (such as the Common Strategic Task Force of the City of Turin and the Compagnia di San Paolo).

In order to support the developments of the Institute in this area, we are currently looking for people acting as Scientific Spokes in this External Fund Unit.

Responsibilities

- You will work within a team of Scientific Spokes, reporting to the Head of the External Funds Unit and eventually to the INFN Executive Board;
- You will be responsible for promoting INFN participation to regional, national and European competitive calls, by matching the professional expertise of INFN researchers to the scope and type of the call;
- You will help in scouting for opportunities of collaboration with firms, industries and in particular SMEs, to enhance INFN involvement in calls which include these partners;
- You will support INFN researchers, both individually and in teams, in preparing the scientific proposals and the related documentation for the specific calls;
- You will brief regularly the Head of the External Funds Unit on issues relating to the Projects that you support.

Spokes@INFN.eu

Profile

Essential

- You have a PhD degree or equivalent active research experience in Physics;
- You have experience in research groups management/co-ordination, preferably in an international context;
- You have experience working in collaboration with academics;
- You have excellent inter-personal and communication skills, as well as networking, negotiation and persuasion skills;
- You have strong organizational skills, and the ability to manage your time and to work to deadlines;
- You are team-oriented and able to work collaboratively with colleagues, as well as independently and without supervision when required;
- You have a pro-active, flexible and 'hands on' approach to work;
- You are fluent in English;
- You are willing to travel within Italy and if required in Europe (though your main activities will be in a specific INFN Section).

Desirable

The following skills and experience would be beneficial:

- Knowledge of other European language(s);
- A good basis in project management;
- Understanding of the European research landscape (including its funding structures and institutions and related science policy issues);
- Knowledge of the Italian framework related to Regional and National Projects (POR, PON, POIN) and to Foundations (public and private).

How to Apply

Please apply by sending your CV and a cover letter to spokes@pv.infn.it.

Your cover letter (maximum two pages) should outline your suitability and motivation for the position.

Please also include with your application the names and contact details of two people who could provide a reference if you are short-listed for interview.

Interviews

Interviews will be carried out jointly with evaluators from the Common Strategic Task Force (CSTF) based in Turin. The venue of the interview will be communicated in due time to the pre-selected people.

FORMAZIONE

Prossime attività

COMUNICAZIONE

NETWORKING

SCRITTURA DEL
PROGETTO

DA

ORIZON 2020

Da luglio a dicembre 2013

tori,

ALL (Dottorandi,
docenti,

COORDINATORE

JUNIOR PI

SPOKE e TA

target

FORMAZIONE

Prossime attività

SUMMER SCHOOL per Junior PI

COMUNICAZIONE

**SCRITTURA DEI
PROGETTI**

**DALL'IDEA AL
PROGETTO**



Grazie