

La ricerca italiana in Europa

Verso FP9

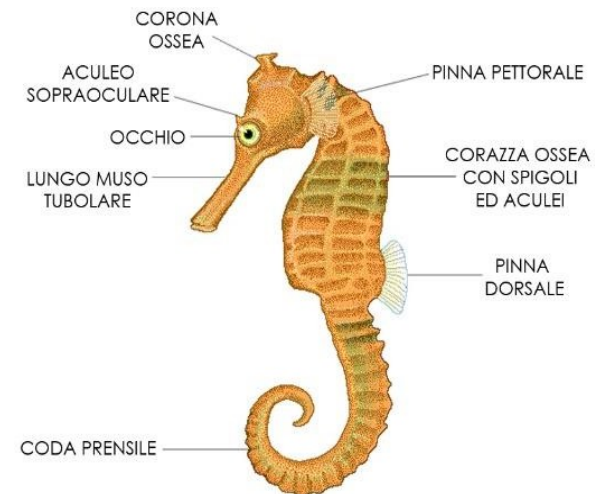
Roma 10 Maggio 2018

In questa giornata:

- La macchina europea
- Il processo verso i finanziamenti
- A che punto siamo
- Cosa abbiamo fatto
- Cosa possiamo fare
- Dove stiamo andando

Alcune domande frequenti

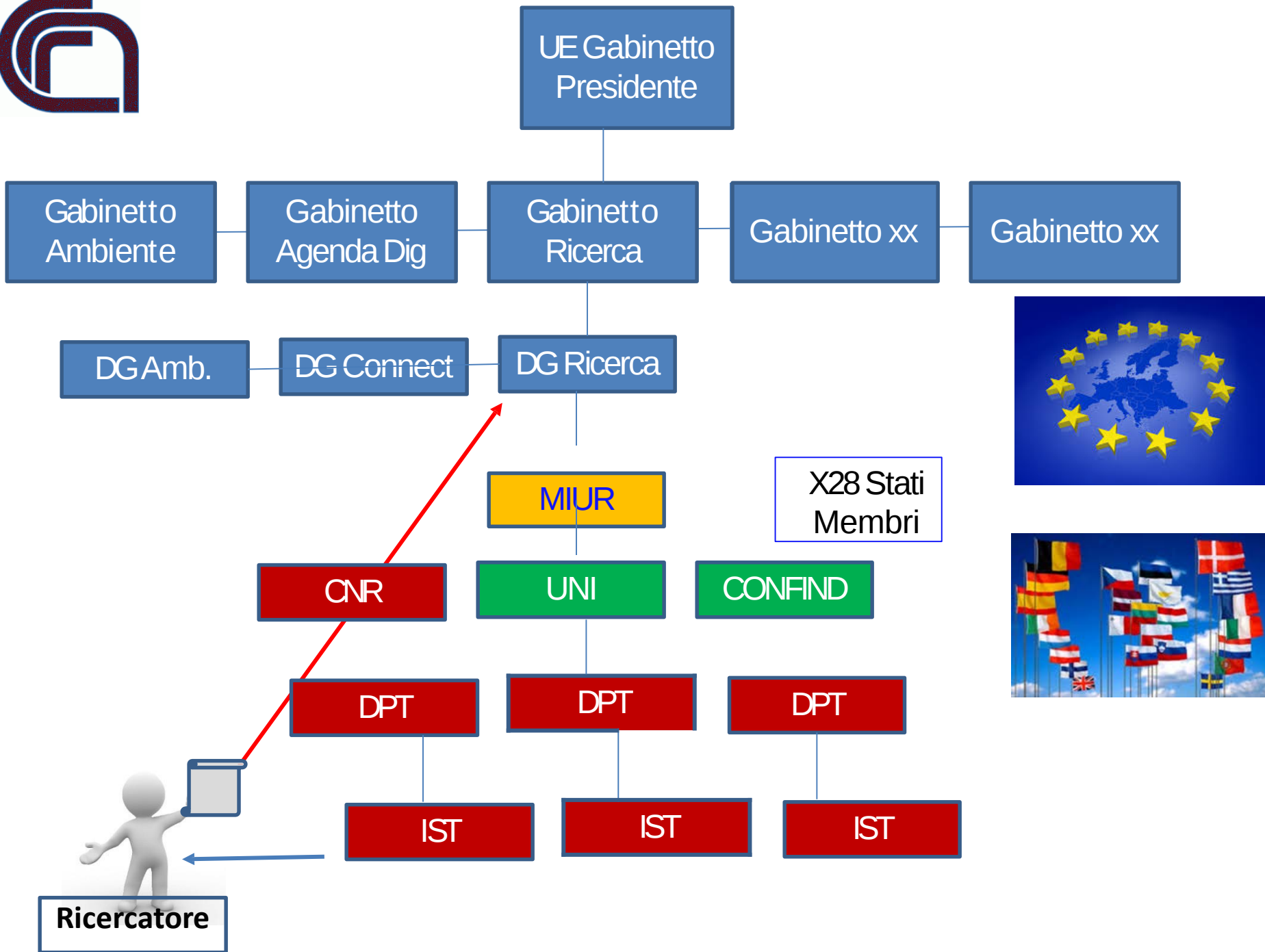
- Buongiorno, vorrei fare un progetto con l'Europa
- Buongiorno, abbiamo saputo che a Bruxelles ci sono dei soldi
- Buongiorno, volevamo sapere perché non c'è un topic sulla pinna pettorale del cavalluccio marino

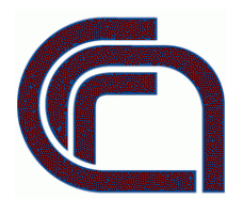


The Bruxelles “machine”

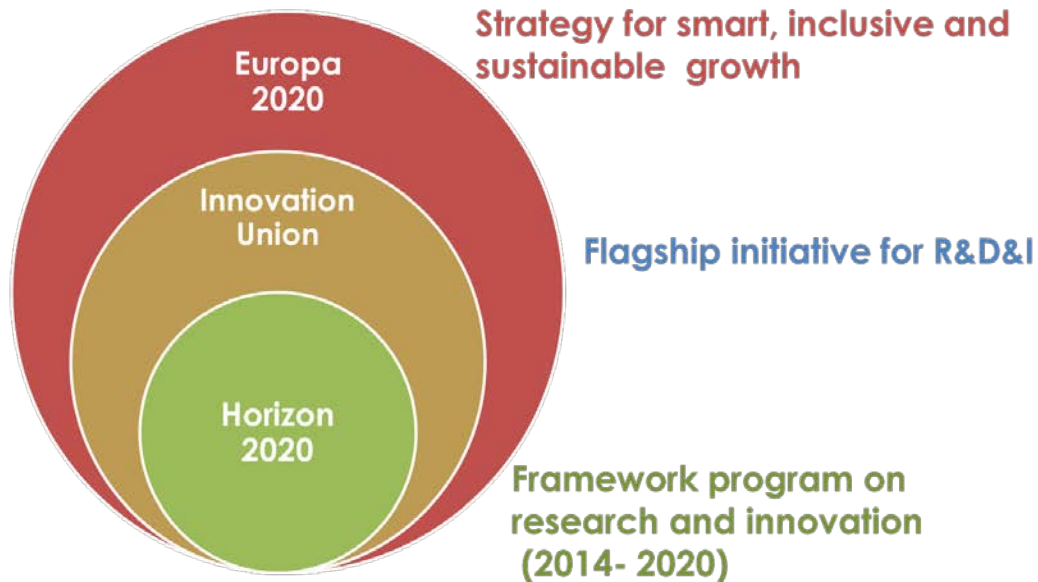
- 1) Diversi Stati Membri hanno interessi diversi
- 2) Stakeholders di Stati Membri hanno interessi diversi
- 3) L'UE ha una sua agenda







Horizon 2020



È parte integrante delle politiche europee Europe 2020, Innovation Union & European Research Area:

- Per rispondere alla crisi economica e investire in lavoro e crescita
- Rafforzare il posizionamento EU nel settore di Ricerca ed innovazione

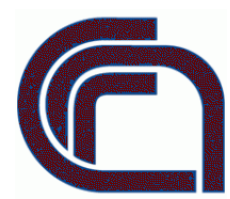
Horizon 2020 è ad oggi il più grande programma di finanziamento globale per ricerca e innovazione con un budget nei 7 anni di €79,4 miliardi di euro e finanzia tutti le tipologie di organizzazione, coprendo tutta il ciclo di ricerca e innovazione dalla ricerca di base passando per i dimostratori fino all'ingresso di un prodotto servizio sul mercato;

MA E' IN PRIMIS UNO STRUMENTO POLITICO



		Countries Participation	SMEs Participation	EU Financial contribution		EU contribution to SMEs
1	AT - Austria	2.018	495	804.612.435	2,75 %	155.631.825
	BE - Belgium	3.295	698	1.391.426.844	4,76 %	198.083.087
	BG - Bulgaria	350	70	57.678.797	0,20 %	11.081.139
	CY - Cyprus	364	118	108.055.311	0,37 %	32.668.632
	CZ - Czech Republic	752	171	190.605.488	0,65 %	37.070.582
2	DE - Germany	8.976	1.748	4.720.676.571	16,16 %	592.971.197
	DK - Denmark	1.685	357	731.428.467	2,50 %	149.784.742
	EE - Estonia	350	110	93.276.021	0,32 %	30.356.342
	EL - Greece	2.133	479	660.384.509	2,26 %	128.577.200
3	ES - Spain	7.436	2.032	2.668.366.234	9,13 %	614.982.311
	FI - Finland	1.461	293	639.278.683	2,19 %	132.308.199
4	FR - France	6.433	1.305	3.057.451.415	10,46 %	451.846.003
	HR - Croatia	315	48	50.843.459	0,17 %	10.743.196
	HU - Hungary	639	202	180.262.637	0,62 %	53.745.323
	IE - Ireland	1.222	309	518.699.757	1,78 %	115.780.414
5	IT - Italy	6.789	1.725	2.419.643.988	8,28 %	482.216.929
	LT - Lithuania	254	57	37.119.016	0,13 %	11.694.809
	LU - Luxembourg	233	52	71.796.320	0,25 %	12.592.340
	LV - Latvia	224	40	47.114.934	0,16 %	8.013.041
	MT - Malta	106	22	17.698.984	0,06 %	4.830.861
	NL - Netherlands	4.525	969	2.242.346.704	7,67 %	361.538.104
	PL - Poland	1.164	229	280.508.754	0,96 %	71.872.051
	PT - Portugal	1.571	380	473.175.792	1,62 %	102.066.986
	RO - Romania	629	92	102.404.200	0,35 %	13.643.371
	SE - Sweden	2.200	385	1.009.916.694	3,46 %	161.953.616
	SI - Slovenia	622	173	172.558.020	0,59 %	52.957.955
	SK - Slovakia	309	74	77.845.936	0,27 %	15.982.990
	UK - United Kingdom	8.873	1.732	4.241.190.332	14,52 %	679.814.838

N°	Organization	Country	Participation	EU Financial Contribution
1	MAX-PLANCK-GESELLSCHAFT ZUR FORDERUNG DER WISSENSCHAFTEN EV (MPG)details	DE	283	504,774,307.55
2	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS (CNRS)details	FR	645	465,762,083.99
3	FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V. (Fraunhofer)details	DE	508	286,241,228.42
4	COMMISSARIAT A L ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES (CEA)details	FR	319	265,020,475.13
5	THE CHANCELLOR, MASTERS AND SCHOLARS OF THE UNIVERSITY OF OXFORD (UOXF)details	UK	325	225,825,081.88
6	THE CHANCELLOR, MASTERS AND SCHOLARS OF THE UNIVERSITY OF CAMBRIDGEdetails	UK	343	219,821,110.22
7	UNIVERSITY COLLEGE LONDONdetails	UK	316	210,818,769.11
8	IMPERIAL COLLEGE OF SCIENCE TECHNOLOGY AND MEDICINE (Imperial)details	UK	253	153,205,018.29
9	KOBENHAVNS UNIVERSITET (UCPH)details	DK	282	140,864,932.04
10	AGENCIA ESTATAL CONSEJO SUPERIOR DEINVESTIGACIONES CIENTIFICAS (CSIC)details	ES	312	138,261,259.55
11	COST ASSOCIATION (CA)details	BE	1	137,249,171.00
12	THE UNIVERSITY OF EDINBURGH (UEDIN)details	UK	190	137,018,693.21
13	TECHNISCHE UNIVERSITEIT DELFT (TU Delft)details	NL	210	134,158,910.45
14	KATHOLIEKE UNIVERSITEIT LEUVEN (KU Leuven)details	BE	231	132,335,652.19
15	CONSIGLIO NAZIONALE DELLE RICERCHE (CNR)details	IT	304	131,280,764.99
16	INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALEdetails	FR	148	129,101,655.89
17	ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE (EPFL)details	CH	177	125,643,778.65
18	INTERUNIVERSITAIR MICRO-ELECTRONICA CENTRUM (IMEC)details	BE	113	113,058,684.61
19	DEUTSCHES ZENTRUM FUER LUFT - UND RAUMFAHRT EV (DLR)details	DE	203	109,408,912.90
20	EIDGENOESSISCHE TECHNISCHE HOCHSCHULE ZUERICH (ETH Zürich)details	CH	183	102,945,956.35
21	TEKNOLOGIAN TUTKIMUSKESKUS VTT OY (TEKNOLOGIAN TUTKIMUSKESKUS VTT OY)details	FI	180	101,454,619.28
22	THE UNIVERSITY OF MANCHESTER (UNIVERSITY OF MANCHESTER)details	UK	156	98,929,051.94
23	TECHNISCHE UNIVERSITAET MUENCHEN (TUM)details	DE	139	93,066,095.82
24	UNIVERSITEIT VAN AMSTERDAMdetails	NL	127	87,881,777.82
25	UNIVERSITEIT UTRECHT (UU)details	NL	141	87,238,132.71
26	DANMARKS TEKNISKE UNIVERSITET (DTU)details	DK	165	86,436,411.86
27	KARLSRUHER INSTITUT FUER TECHNOLOGIE (KIT)details	DE	147	86,062,130.01
28	FORSCHUNGSZENTRUM JULICH GMBH (FORSCHUNGSZENTRUM JULICH GMBH)details	DE	98	84,973,103.75
29	HELSINGIN YLIOPISTOdetails	FI	129	82,893,026.47
30	STICHTING KATHOLIEKE UNIVERSITEIT (Radboud University & Radboudumc)details	NL	118	82,289,591.65



What next?

EU budget chief wants to protect research from cuts in 2021 - 2027 budget cycle

Günther Oettinger says research should be the only programme spared spending cuts as the EU weighs how to make up for losing the UK's €11B per annum contribution

By Éanna Kelly



EU Parliament wants a substantially bigger research budget

Research spending should rise to €120B in the 2021 - 2028 budget, despite shrinking EU funds post-Brexit, say MEPs

By Éanna Kelly



HORIZON EUROPE

100
miliardi
di euro

dreams of €160B for research

Commission President wants to double current investment



THE NEW MULTIANNUAL FINANCIAL FRAMEWORK 2021 - 2027

A BUDGET FOR A UNION THAT PROTECTS, EMPOWERS AND DEFENDS

In billion euro, current prices



I. SINGLE MARKET, INNOVATION AND DIGITAL €187.4

- 1 Research and Innovation
- 2 European Strategic Investments
- 3 Single Market
- 4 Space



II. COHESION AND VALUES €442.4

- 5 Regional Development and Cohesion
- 6 Economic and Monetary Union
- 7 Investing in People, Social Cohesion and Values



III. NATURAL RESOURCES AND ENVIRONMENT €378.9

- 8 Agriculture and Maritime Policy
- 9 Environment and Climate Action



IV. MIGRATION AND BORDER MANAGEMENT €34.9

- 10 Migration
- 11 Border Management



V. SECURITY AND DEFENCE €27.5

- 12 Security
- 13 Defence
- 14 Crisis Response



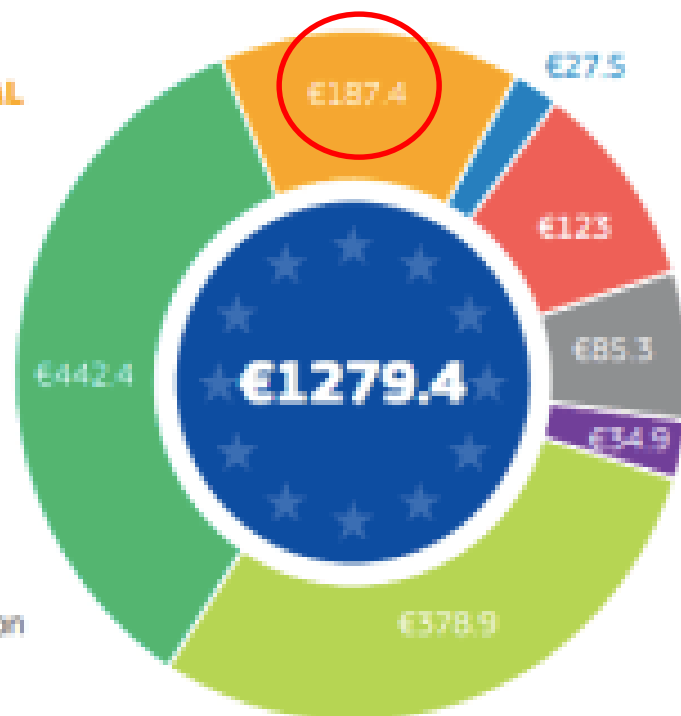
VI. NEIGHBOURHOOD AND THE WORLD €123

- 15 External Action
- 16 Pre-Accession Assistance



VII. EUROPEAN PUBLIC ADMINISTRATION €85.3

- 17 European Public Administration



Cohesion and values

€442.4B

Regional development

Economic and monetary union

Social cohesion and values

Natural resources and environment

€378.9B

Agriculture and maritime policy

Environment and climate action

Research and Innovation

European Strategic Investments

Single Market

Space

**Single market,
innovation and digital**
€187.4B

Neighborhood and the world

€123B

**European
public
administration**
€85.3B

External Action

Pre-accession
assistance

**Migration and
borders**
€34.9B

**Security
and
defense**
€27.5B

Dotazione Finanziaria 2014 - 2020

Settori finanziati dal bilancio dell'UE

Quadro finanziario pluriennale 2014-2020

in miliardi di euro e in percentuale, a prezzi correnti



Coesione economica, sociale e territoriale 371,4 miliardi di EUR

- Ricerca e innovazione
- Tecnologie dell'informazione e della comunicazione
- Piccole e medie imprese
- Economia a basse emissioni di carbonio
- Cambiamento e rischio climatico
- Ambiente e uso efficiente delle risorse
- Trasporti ed energia
- Occupazione
- Inclusione sociale
- Formazione professionale
- Altro



Competitività per la crescita e l'occupazione 142,1 miliardi di EUR

142,1 miliardi di EUR

- Istruzione
- Energia
- Industria e piccole e medie imprese
- Reti e tecnologie
- Ricerca e innovazione
- Trasporti
- Altro

Circa 8 %



Amministrazione 69,6 miliardi di EUR



Ruolo mondiale dell'Europa 66,3 miliardi di EUR

- Sviluppo e cooperazione internazionale
- Aiuto umanitario
- Vicinato e allargamento
- Strumenti di politica estera
- Altro



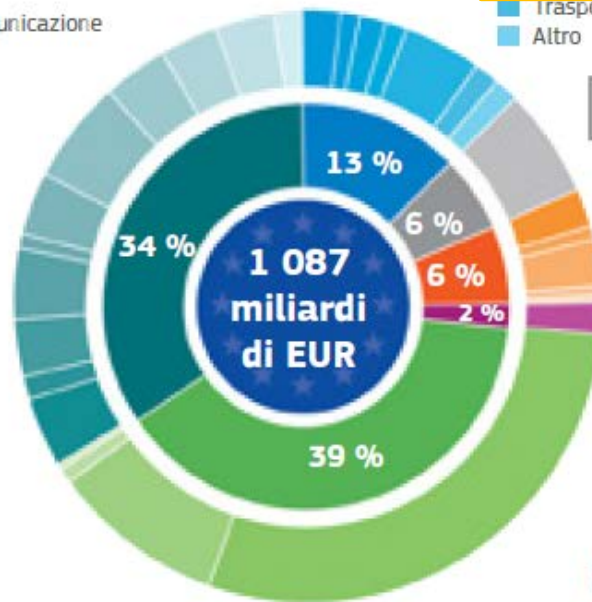
Sicurezza e cittadinanza 17,7 miliardi di EUR

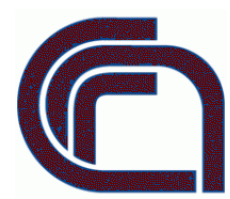
- Migrazione e affari interni
- Salute e sicurezza alimentare
- Cultura
- Giustizia
- Altro



Crescita sostenibile: risorse naturali 420 miliardi di EUR

- Agricoltura
- Sviluppo rurale
- Pesca
- Ambiente e altro



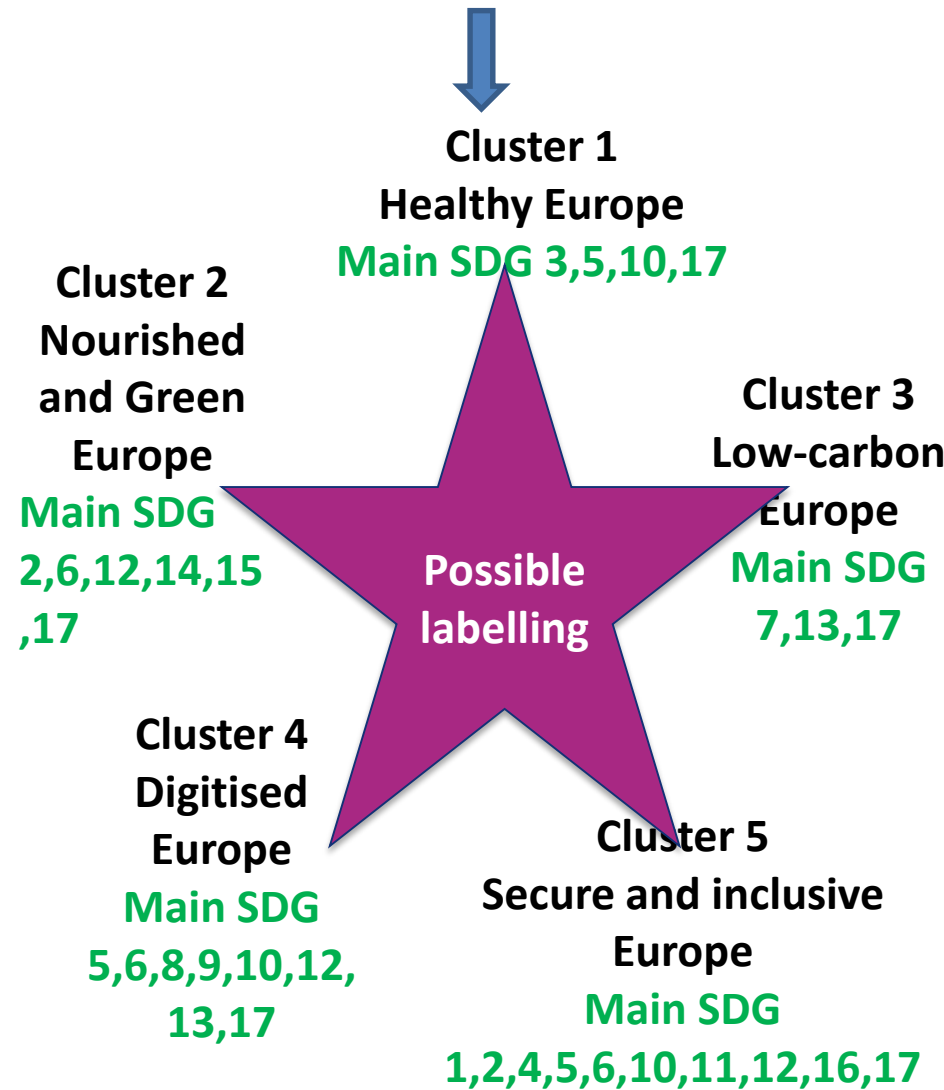


TOWARDS FP9: STRUCTURE



Framework contest SDGs

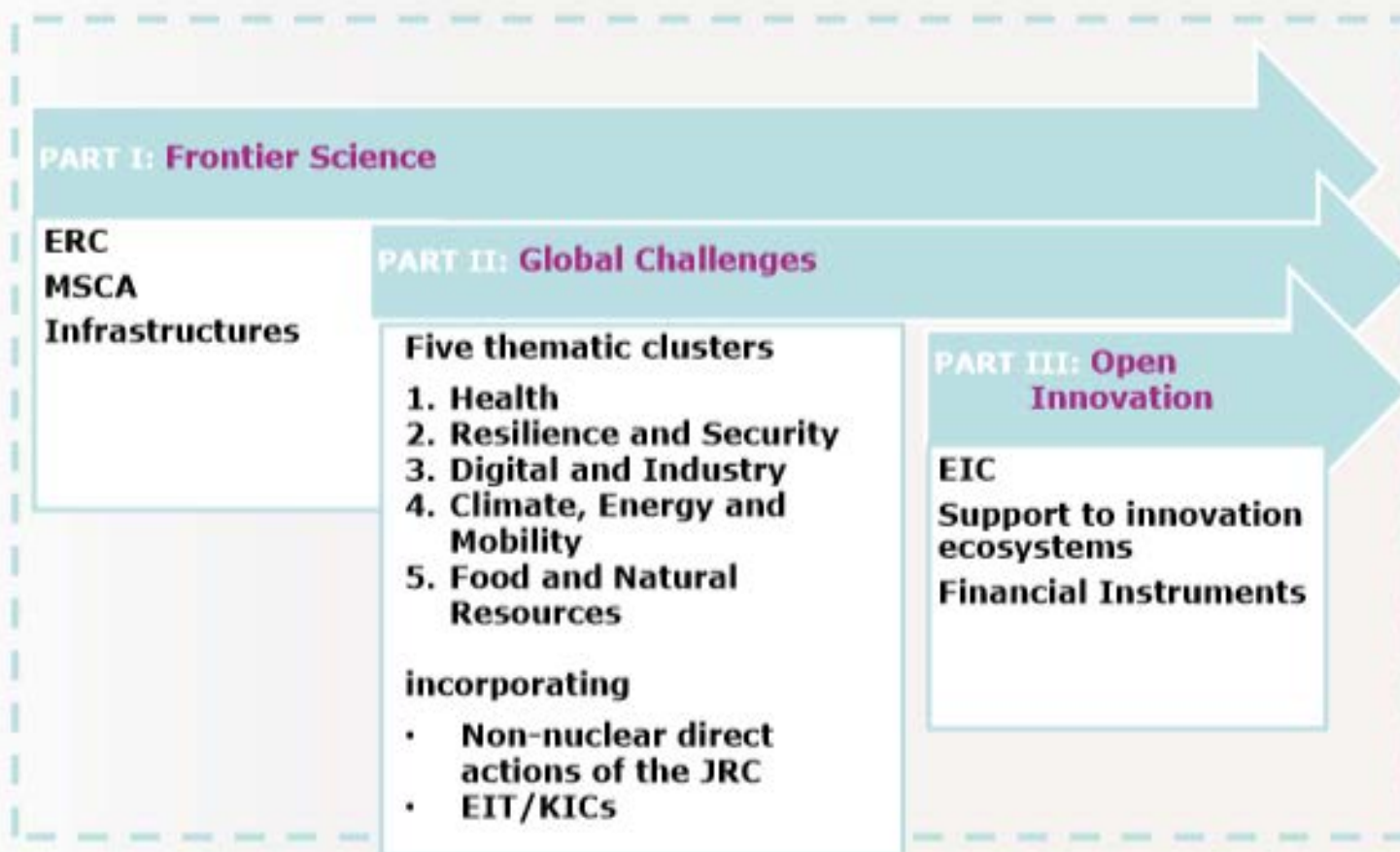
Rationalization from 7 SCs+ LEIT to 5 thematic clusters



Altri possibili aspetti caratterizzanti di FP 9

- Maggior Coinvolgimento dei Cittadini
- Maggior Focus su «Impatto» e «Comunicazione»
- Maggiore Cooperazione Internazionale
- Raccordo con i Fondi Strutturali
- Raccordo con il Sistema Educativo e Formativo
- Revisione ad hoc della normativa sugli Aiuti di Stato

Possible FP9 Programme Structure

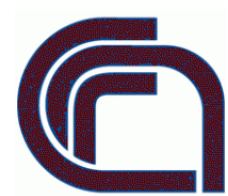


Strengthening the European Research Area

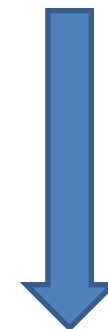
- Spreading Excellence
- Reforming and Enhancing the European R&I System
- Science, Society and Citizens



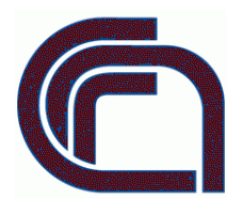
European
Commission



Posizionamento CNR su
Mission oriented (June
2018)



Lavoro con coordinatori
CNR x revisione strumenti
Marie Curie, FET, INFRA
(December 2018)



Take home message:

- The European union is a complex entity
- Having different stakeholders requires very complex management and policy procedures

BUT...

IT IS THE ONLY WAY TO GO IF WE WANT TO BE COMPETITIVE IN A GLOBAL SOCIETY

