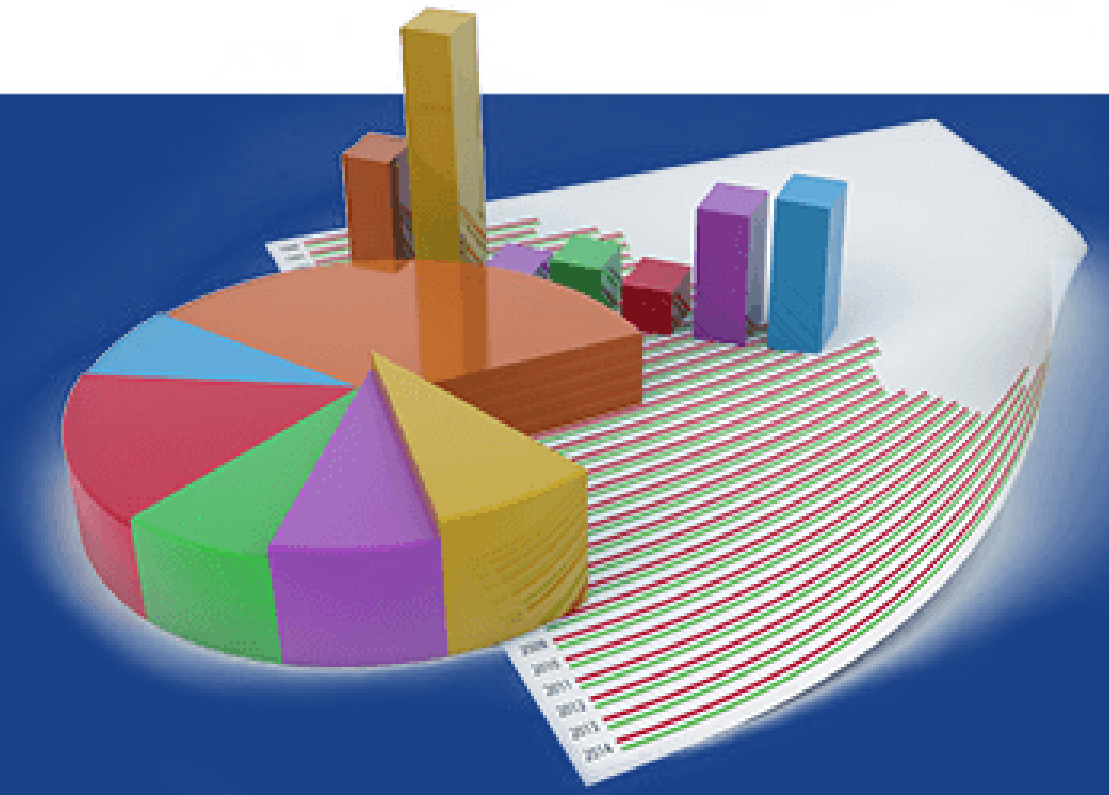
CLUSTER 1 HEALTH

Overview della partecipazione italiana 2021/2022



Stefano Vella & Bruno Mourenza

APRE
Agenzia per la Promozione della Ricerca Europea

Horizon Europe: 3 PILLARS

Pillar 1
Excellent Science

- European Research Council
- Marie Skłodowska-Curie Actions
- Research Infrastructures

Pillar 2
Global Challenges and European Industrial Competitiveness

Clusters
- Health
- Culture, Creativity and Inclusive Society
- Civil Security for Society
- Digital, Industry and Space
- Climate, Energy and Mobility
- Food, Bioeconomy, Natural Resources, Agriculture and Environment

- Joint Research Centre

Pillar 3
Innovative Europe

- European Innovation Council
- European innovation ecosystems
- European Institute of Innovation and Technology

- Widening participation and spreading excellence
- Reforming and Enhancing the European R&I system

European Commission

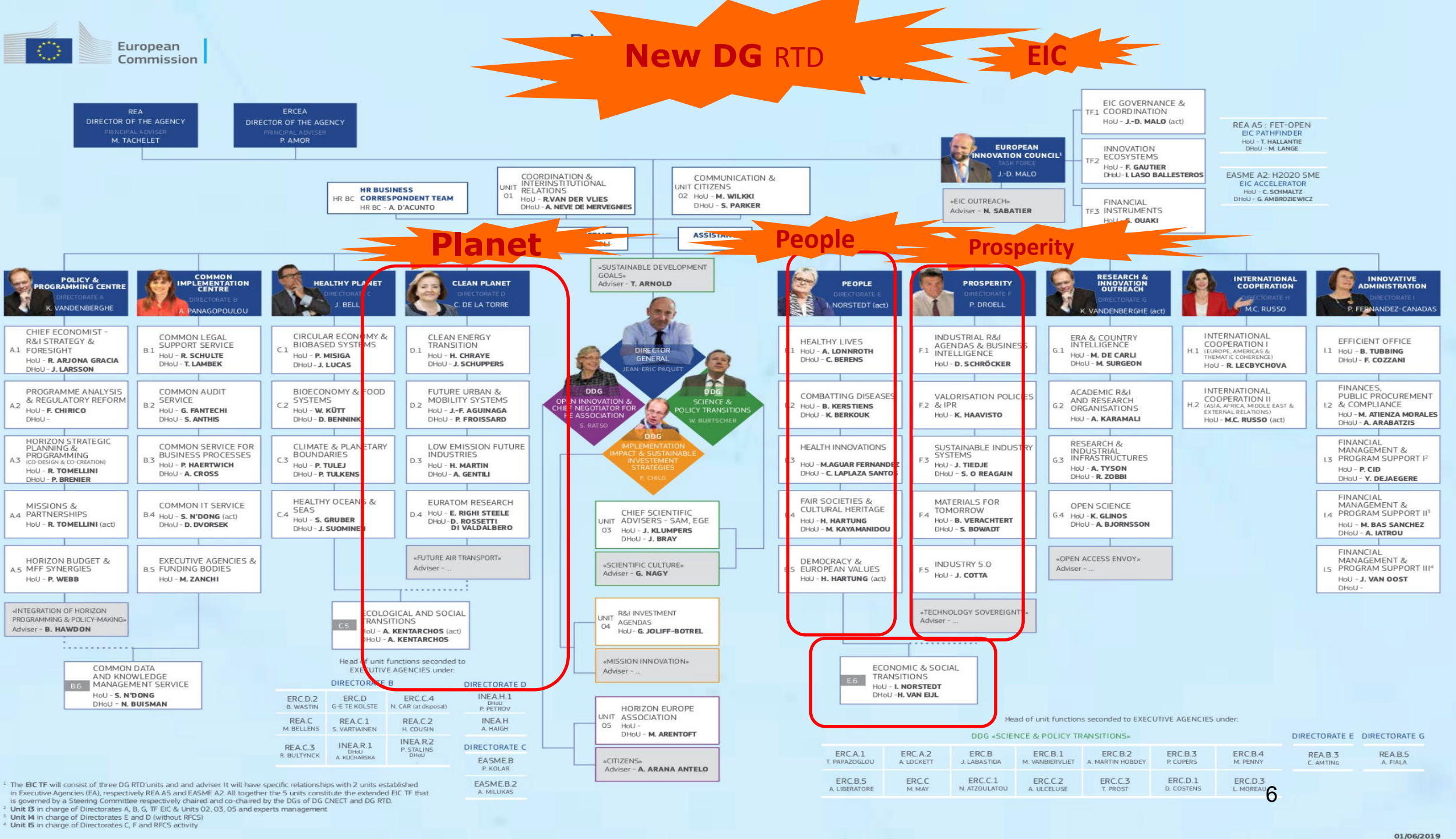
Horizon Europe – 6 Clusters in Pillar 2

European Commission

Oggi parliamo del..... **Cluster Health**

HORIZON EUROPE (HEALTH)

DG’s coinvolte: **RTD, SANTE’, CONNECT e HERA**.


European Commission
New DG RTD
EIC
Planet
People
Prosperity
REA
DIRECTOR OF THE AGENCY
PRINCIPAL ADVISER
M. TACHELET
ERCEA
DIRECTOR OF THE AGENCY
PRINCIPAL ADVISER
P. AMOR
HR BC HR BUSINESS CORRESPONDENT TEAM
HR BC - A. D'ACUNTO
UNIT 01 COORDINATION & INTERINSTITUTIONAL RELATIONS
HoU - R.VAN DER VLIES
DHoU - A. NEVE DE MERVEGNIES
UNIT 02 COMMUNICATION & CITIZENS
HoU - M. WILKKI
DHoU - S. PARKER
EUROPEAN INNOVATION COUNCIL[1]
TASK FORCE
J.-D. MALO
«EIC OUTREACH»
Adviser - N. SABATIER
TF.1 EIC GOVERNANCE & COORDINATION
HoU - J.-D. MALO (act)
TF.2 INNOVATION ECOSYSTEMS
HoU - F. GAUTIER
DHoU - I. LASO BALLESTEROS
TF.3 FINANCIAL INSTRUMENTS
REA A5 : FET-OPEN
EIC PATHFINDER
HoU - T. HALLANTIE
DHoU - M. LANGE
EASME A2: H2020 SME
EIC ACCELERATOR
HoU - C. SCHMALTZ
DHoU - G. AMBROZIEWICZ
POLICY & PROGRAMMING CENTRE
DIRECTORATE A
K. VANDENBERGHE
COMMON IMPLEMENTATION CENTRE
DIRECTORATE B
A. PANAGOPOULOU
HEALTHY PLANET
DIRECTORATE C
J. BELL
CLEAN PLANET
DIRECTORATE D
C. DE LA TORRE
«SUSTAINABLE DEVELOPMENT GOALS»
Adviser - T. ARNOLD
PEOPLE
DIRECTORATE E
I. NORSTEDT (act)
PROSPERITY
DIRECTORATE F
P. DROELL
RESEARCH & INNOVATION OUTREACH
DIRECTORATE G
K. VANDENBERGHE (act)
INTERNATIONAL COOPERATION
DIRECTORATE H
M.C. RUSSO
INNOVATIVE ADMINISTRATION
DIRECTORATE I
P. FERNANDEZ-CANADAS
A.1 CHIEF ECONOMIST - R&I STRATEGY & FORESIGHT
HoU - R. ARJONA GRACIA
DHoU - J. LARSSON
A.2 PROGRAMME ANALYSIS & REGULATORY REFORM
HoU - F. CHIRICO
A.3 HORIZON STRATEGIC PLANNING & PROGRAMMING (CO-DESIGN & CO-CREATION)
HoU - R. TOMELLINI
DHoU - P. BRENIER
A.4 MISSIONS & PARTNERSHIPS
HoU - R. TOMELLINI (act)
A.5 HORIZON BUDGET & MFF SYNERGIES
HoU - P. WEBB
«INTEGRATION OF HORIZON PROGRAMMING & POLICY-MAKING»
Adviser - B. HAWDON
B.1 COMMON LEGAL SUPPORT SERVICE
HoU - R. SCHULTE
DHoU - T. LAMBEK
B.2 COMMON AUDIT SERVICE
HoU - G. FANTECHI
DHoU - S. ANTHIS
B.3 COMMON SERVICE FOR BUSINESS PROCESSES
HoU - P. HAERTWICH
DHoU - A. CROSS
B.4 COMMON IT SERVICE
HoU - S. N'DONG (act)
DHoU - D. DVORSEK
B.5 EXECUTIVE AGENCIES & FUNDING BODIES
HoU - M. ZANCHI
B.6 COMMON DATA AND KNOWLEDGE MANAGEMENT SERVICE
HoU - S. N'DONG
DHoU - N. BUISMAN
C.1 CIRCULAR ECONOMY & BIOBASED SYSTEMS
HoU - P. MISIGA
DHoU - J. LUCAS
C.2 BIOECONOMY & FOOD SYSTEMS
HoU - W. KÜTT
DHoU - D. BENNINK
C.3 CLIMATE & PLANETARY BOUNDARIES
HoU - P. TULEJ
DHoU - P. TULKENS
C.4 HEALTHY OCEANS & SEAS
HoU - S. GRUBER
DHoU - J. SUOMINEN
C.5 ECOLOGICAL AND SOCIAL TRANSITIONS
HoU - A. KENTARCHOS (act)
DHoU - A. KENTARCHOS
D.1 CLEAN ENERGY TRANSITION
HoU - H. CHRAYE
DHoU - J. SCHUPPERS
D.2 FUTURE URBAN & MOBILITY SYSTEMS
HoU - J.-F. AGUINAGA
DHoU - P. FROISSARD
D.3 LOW EMISSION FUTURE INDUSTRIES
HoU - H. MARTIN
DHoU - A. GENTILI
D.4 EURATOM RESEARCH
HoU - E. RIGHI STEELE
DHoU - D. ROSSETTI DI VALDALBERO
«FUTURE AIR TRANSPORT»
Adviser - ...
DIRECTOR GENERAL
JEAN-ERIC PAQUET
DDG
OPEN INNOVATION & CHIEF NEGOTIATOR FOR THE ASSOCIATION
S. RATSO
DDG
SCIENCE & POLICY TRANSITIONS
W. BURTSCHER
DDG
IMPLEMENTATION IMPACT & SUSTAINABLE INVESTEMENT STRATEGIES
P. CHILD
UNIT 03 CHIEF SCIENTIFIC ADVISERS - SAM, EGE
HoU - J. KLUMPERS
DHoU - J. BRAY
«SCIENTIFIC CULTURE»
Adviser - G. NAGY
UNIT 04 R&I INVESTMENT AGENDAS
HoU - G. JOLIFF-BOTREL
«MISSION INNOVATION»
Adviser - ...
UNIT 05 HORIZON EUROPE ASSOCIATION
HoU -
DHoU - M. ARENTOFT
«CITIZENS»
Adviser - A. ARANA ANTELO
E.1 HEALTHY LIVES
HoU - A. LONNROTH
DHoU - C. BERENS
E.2 COMBATTING DISEASES
HoU - B. KERSTIENS
DHoU - K. BERKOUK
E.3 HEALTH INNOVATIONS
HoU - M.AGUAR FERNANDEZ
DHoU - C. LAPLAZA SANTOS
E.4 FAIR SOCIETIES & CULTURAL HERITAGE
HoU - H. HARTUNG
DHoU - M. KAYAMANIDOU
E.5 DEMOCRACY & EUROPEAN VALUES
HoU - H. HARTUNG (act)
E.6 ECONOMIC & SOCIAL TRANSITIONS
HoU - I. NORSTEDT
DHoU -H. VAN EIJL
F.1 INDUSTRIAL R&I AGENDAS & BUSINESS INTELLIGENCE
HoU - D. SCHRÖCKER
F.2 VALORISATION POLICIES & IPR
HoU - K. HAAVISTO
F.3 SUSTAINABLE INDUSTRY SYSTEMS
HoU - J. TIEDJE
DHoU - S. O REAGAIN
F.4 MATERIALS FOR TOMORROW
HoU - B. VERACHTERT
DHoU - S. BOWADT
F.5 INDUSTRY 5.0
HoU - J. COTTA
«TECHNOLOGY SOVEREIGNTY»
Adviser - ...
G.1 ERA & COUNTRY INTELLIGENCE
HoU - M. DE CARLI
DHoU - M. SURGEON
G.2 ACADEMIC R&I AND RESEARCH ORGANISATIONS
HoU - A. KARAMALI
G.3 RESEARCH & INDUSTRIAL INFRASTRUCTURES
HoU - A. TYSON
DHoU - R. ZOBBI
G.4 OPEN SCIENCE
HoU - K. GLINOS
DHoU - A. BJORNSSON
«OPEN ACCESS ENVOY»
Adviser - ...
H.1 INTERNATIONAL COOPERATION I (EUROPE, AMERICAS & THEMATIC COHERENCE)
HoU - R. LECBYCHOVA
H.2 INTERNATIONAL COOPERATION II (ASIA, AFRICA, MIDDLE EAST & EXTERNAL RELATIONS)
HoU - M.C. RUSSO (act)
I.1 EFFICIENT OFFICE
HoU - B. TUBBING
DHoU - F. COZZANI
I.2 FINANCES, PUBLIC PROCUREMENT & COMPLIANCE
HoU - M. ATIENZA MORALES
DHoU - A. ARABATZIS
I.3 FINANCIAL MANAGEMENT & PROGRAM SUPPORT I[2]
HoU - P. CID
DHoU - Y. DEJAEGERE
I.4 FINANCIAL MANAGEMENT & PROGRAM SUPPORT II[3]
HoU - M. BAS SANCHEZ
DHoU - A. IATROU
I.5 FINANCIAL MANAGEMENT & PROGRAM SUPPORT III[4]
HoU - J. VAN OOST
DHoU -
Head of unit functions seconded to EXECUTIVE AGENCIES under:
DIRECTORATE B
ERC.D.2 B. WASTIN
ERC.D G-E TE KOLSTE
ERC.C.4 N. CAR (at disposal)
REA.C M. BELLENS
REA.C.1 S. VARTIAINEN
REA.C.2 H. COUSIN
REA.C.3 R. BULTYNCK
INEA.R.1 DHoU A. KUCHARSKA
INEA.R.2 P. STALINS DHoU
DIRECTORATE D
INEA.H.1 DHoU P. PETROV
INEA.H A. HAIGH
DIRECTORATE C
EASME.B P. KOLAR
EASME.B.2 A. MILUKAS
Head of unit functions seconded to EXECUTIVE AGENCIES under:
DDG «SCIENCE & POLICY TRANSITIONS»
ERC.A.1 T. PAPAZOGLOU
ERC.A.2 A. LOCKETT
ERC.B J. LABASTIDA
ERC.B.1 M. VANBIERVLIET
ERC.B.2 A. MARTIN HOBDEY
ERC.B.3 P. CUPERS
ERC.B.4 M. PENNY
ERC.B.5 A. LIBERATORE
ERC.C M. MAY
ERC.C.1 N. ATZOULATOU
ERC.C.2 A. ULCELUSE
ERC.C.3 T. PROST
ERC.D.1 D. COSTENS
ERC.D.3 L. MOREAU
DIRECTORATE E
REA.B.3 C. AMTING
DIRECTORATE G
REA.B.5 A. FIALA
[1] The EIC TF will consist of three DG RTD'units and and adviser. It will have specific relationships with 2 units established in Executive Agencies (EA), respectively REA A5 and EASME A2. All together the 5 units constitute the extended EIC TF that is governed by a Steering Committee respectively chaired and co-chaired by the DGs of DG CNECT and DG RTD.
[2] Unit I3 in charge of Directorates A, B, G, TF EIC & Units 02, 03, 05 and experts management
[3] Unit I4 in charge of Directorates E and D (without RFCS)
[4] Unit I5 in charge of Directorates C, F and RFCS activity
01/06/2019

Horizon Europe – impact-oriented funding

2021-2027

Horizon Europe Legislation
EU legal base

Pillars Clusters Budget

Intervention Areas

2021-2024

Strategic Plan
Programme-level
(focus on Pillar II)

EU policy priorities

Key Strategic Orientations for R&I

Expected Impacts
in the cluster-specific annexes

2021-2022

Work Programmes
e.g. for Clusters 1-6

Destinations

Topics

Expected outcomes

European Commission

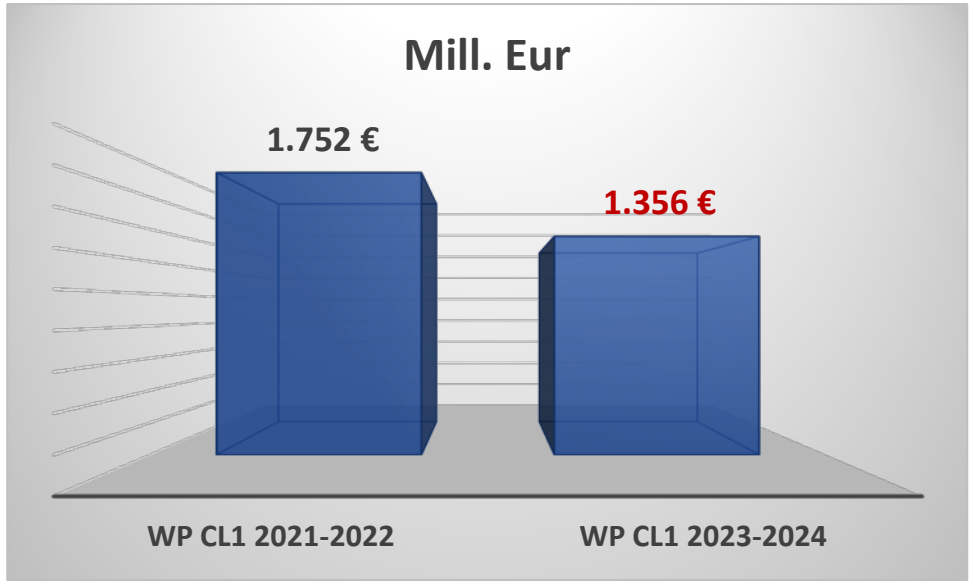
Cluster Health Destinations

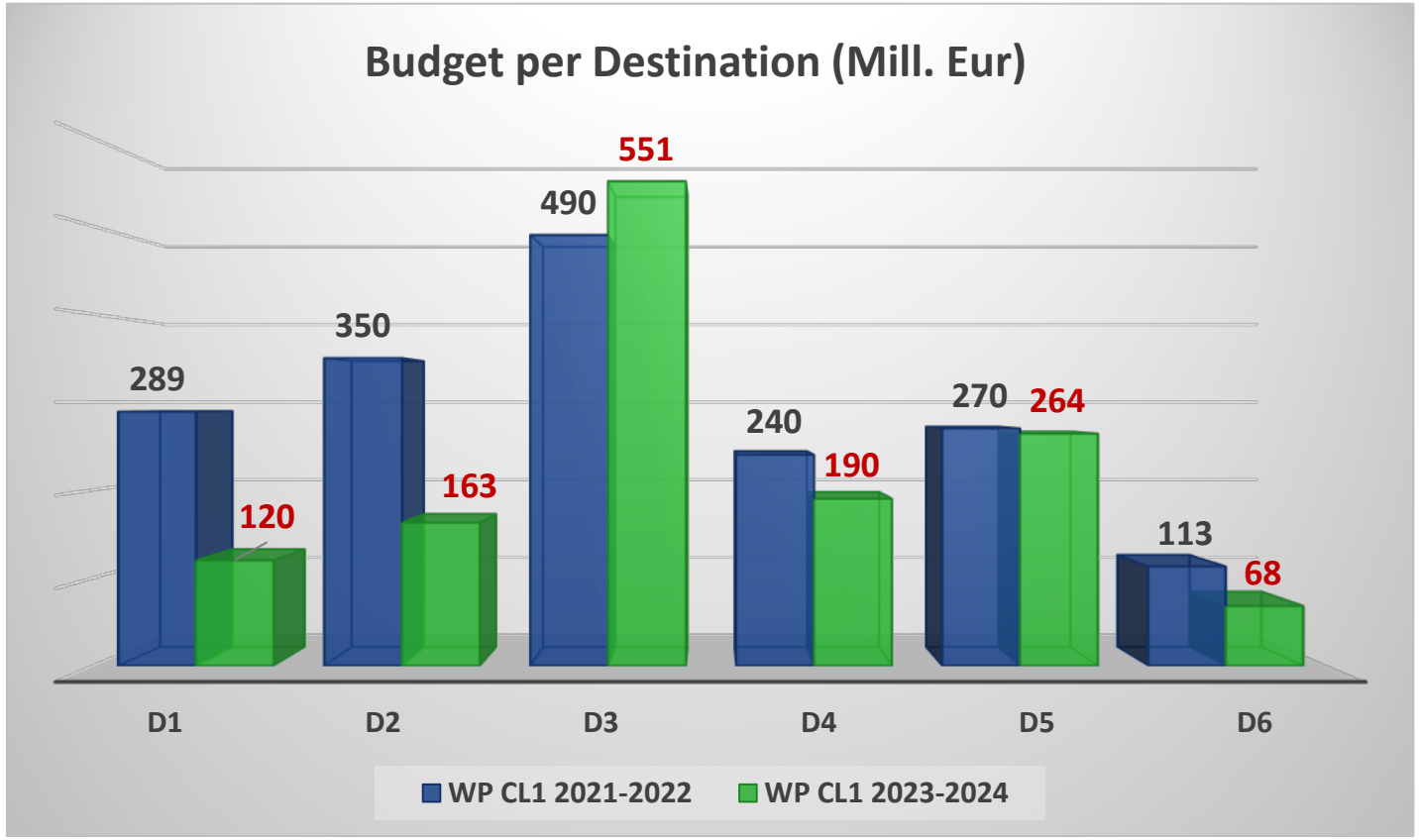
Strategic plan (2021 – 2024)

Work Programme

Destination 1	Destination 2	Destination 3	Destination 4	Destination 5	Destination 6
Staying healthy in a rapidly changing society	Living and working in a health-promoting environment	Tackling diseases and reducing disease burden	Ensuring access to innovative, sustainable and high-quality health care	Unlocking the full potential of new tools, technologies and digital solutions for a healthy society	Maintaining an innovative, sustainable and globally competitive health-related industry

BUDGET*





*considerando quello allocato sotto le *Destinations*

Horizon Europe – funding modalities

- *Grants to individual researchers/fellows, teams, infrastructures, innovators under Pillar 1 (ERC, MSCA) and Pillar 3 (EIC)*
  → bottom-up open competition

- ***Grants to collaborative R&I projects*** *(Pillar 2, incl. Cluster 1 'Health')*
  → top-down open competition by multi/international consortia proposing projects on specific topics in response to calls for proposals

- ***Grants to contracting authorities/entities*** *(Pillar 2, incl. Cluster 1 'Health')*
  → *for pre-commercial procurement of R&I services and procurement of innovative solutions*

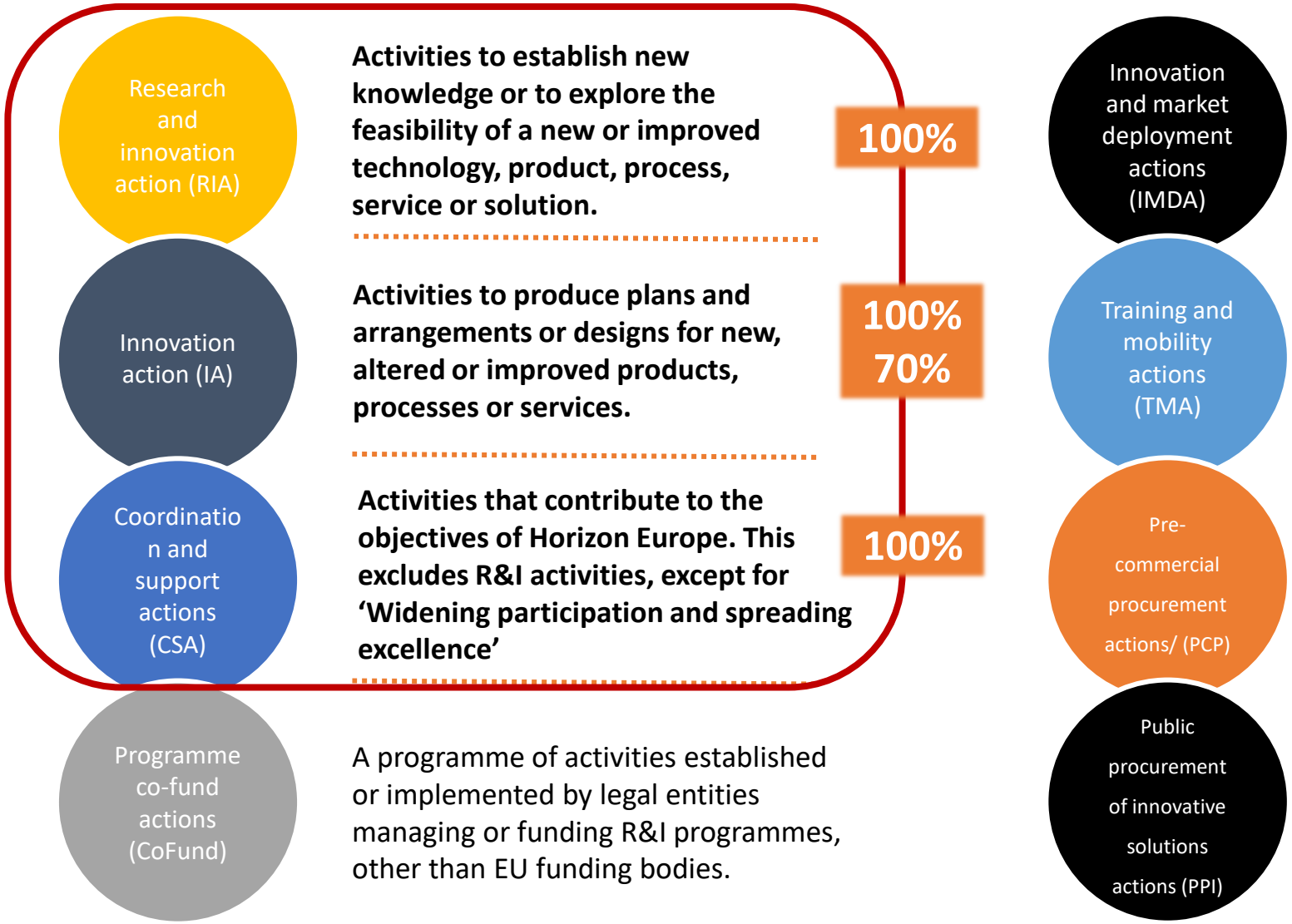
- *Partnerships between R&I investors and funders (Pillar 2 and Pillar 3, incl. Cluster 1 'Health')*

- *Missions driven by inspirational goals for impact (Pillar 2, incl. mission on cancer)* update of Missions WP 2021-22

- *Synergies with EU4Health, Digital Europe Programme, InvestEU, other*

European Commission

Activities eligible for funding – Type of actions



European Commission

GLOSSARIO

Tasso di successo = viene calcolato in percentuale come rapporto tra le proposte valutate positivamente e quelle presentate. Il tasso di successo viene calcolato a livello di singolo paese o nel complesso della call.

Rientro nazionale o ritorno= viene calcolato in percentuale come rapporto tra quanto ottiene un paese e quanto è stato assegnato sull'intero programma/bando/call.

 # Partecipazioni o numerosità = numerosità delle singole partecipazioni al bando (coordinatori + partner). SI calcola sui singoli proponenti e non sulle proposte.

€ Requested EU contribution = contributo finanziario richiesto in fase di proposta dal singolo proponente.

Mainlist = proposte ammesse a grant preparation.

....come siamo andati ??

IT-CALL 2021 + 2022 – CLUSTER 1 - OVERVIEW

	# Partecipazione	€ Contributo finanziario
Main list	237	146.541.605 €
Reserve list	65	28.245.679 €
Below available budget	567	281.083.010 €
Below Threshold	504	251.049.668 €
Totale complessivo	**1401***	**731.130.364 €**

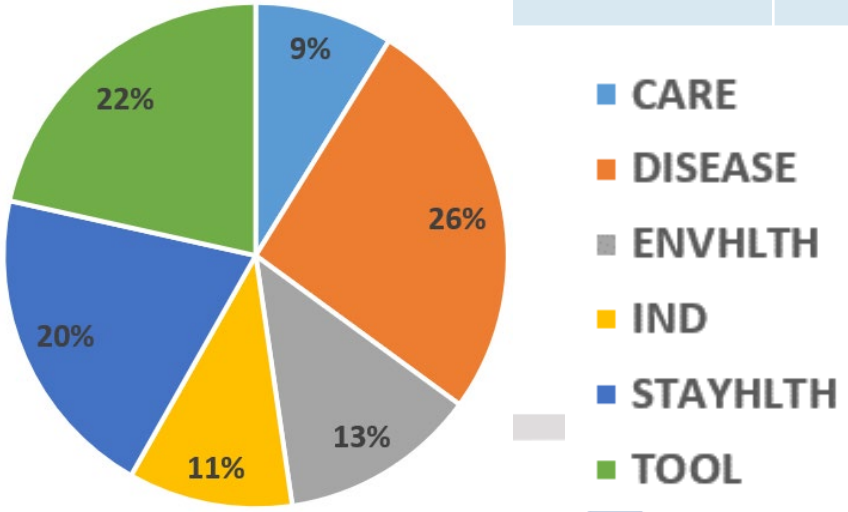
# Tasso di successo	€ Tasso di successo	# Rientro nazionale	€ Rientro Nazionale
17 %	20%	8%	9%

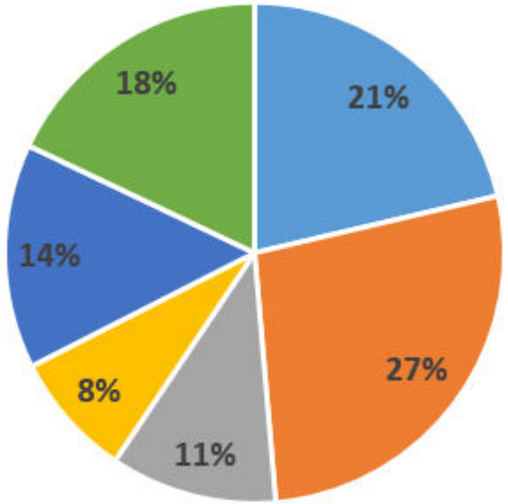
*considerando anche quelle *Inadmissible* e *Ineligible*

IT – CALL 2021 + 2022 | DESTINATION

	Destination	CARE (4) + PARTNERSHIP (THCS)	DISEASE (3)	ENVHLTH (2)	IND (6)	STHLTH (1)	TOOL (5)
Tasso di successo	# Numerosità partecipazione	12,3%	16%	17,8%	17%	17%	20%
	€ Contributo Finanziario	32%	18%	19,6%	17,4%	14,7%	21%
Rientro Nazionale	# Numerosità partecipazione	8%	7,2%	8,2%	8,7%	7,3%	10,3%
	€ Contributo Finanziario	17,6%	7,9%	6,1%	10,4%	6,7%	9,7%

IT – Distribuzione partecipanti per Destination

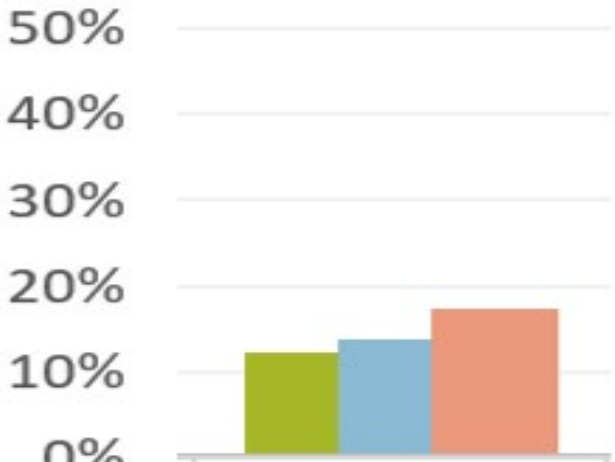




IT – Distribuzione contributo per Destination

IT – TASSO DI SUCCESSO CLUSTER 1

CONFRONTO H2020 – HE *(# partecipazione)*



	CL1 (SC1)
H2020	12%
HE - 2021	13,8%
HE -2022	21,3%

***Tasso di successo =** viene calcolato in percentuale come rapporto tra le proposte valutate positivamente e quelle presentate.

CALL 2021 + 2022 | COMPETIZIONE EUROPEA

Paesi	# Partecipazione	€ Contributo finanziario	# Rientro	€ Rientro
DE	332	212.313.033 €	11,4%	12,9%
NL	258	187.318.284 €	8,9%	11,4%
FR	198	161.419.019 €	6,8%	9,8%
ES	321	149.686.028 €	11%	9,1%
IT	**237**	**146.541.605 €**	**8%**	**9%**
UK	228	137.405.595 €	7,8%	8,4%
BE	201	90.929.683 €	6,9%	5,5%

ITALIA #
4° posto

ITALIA €
5° posto

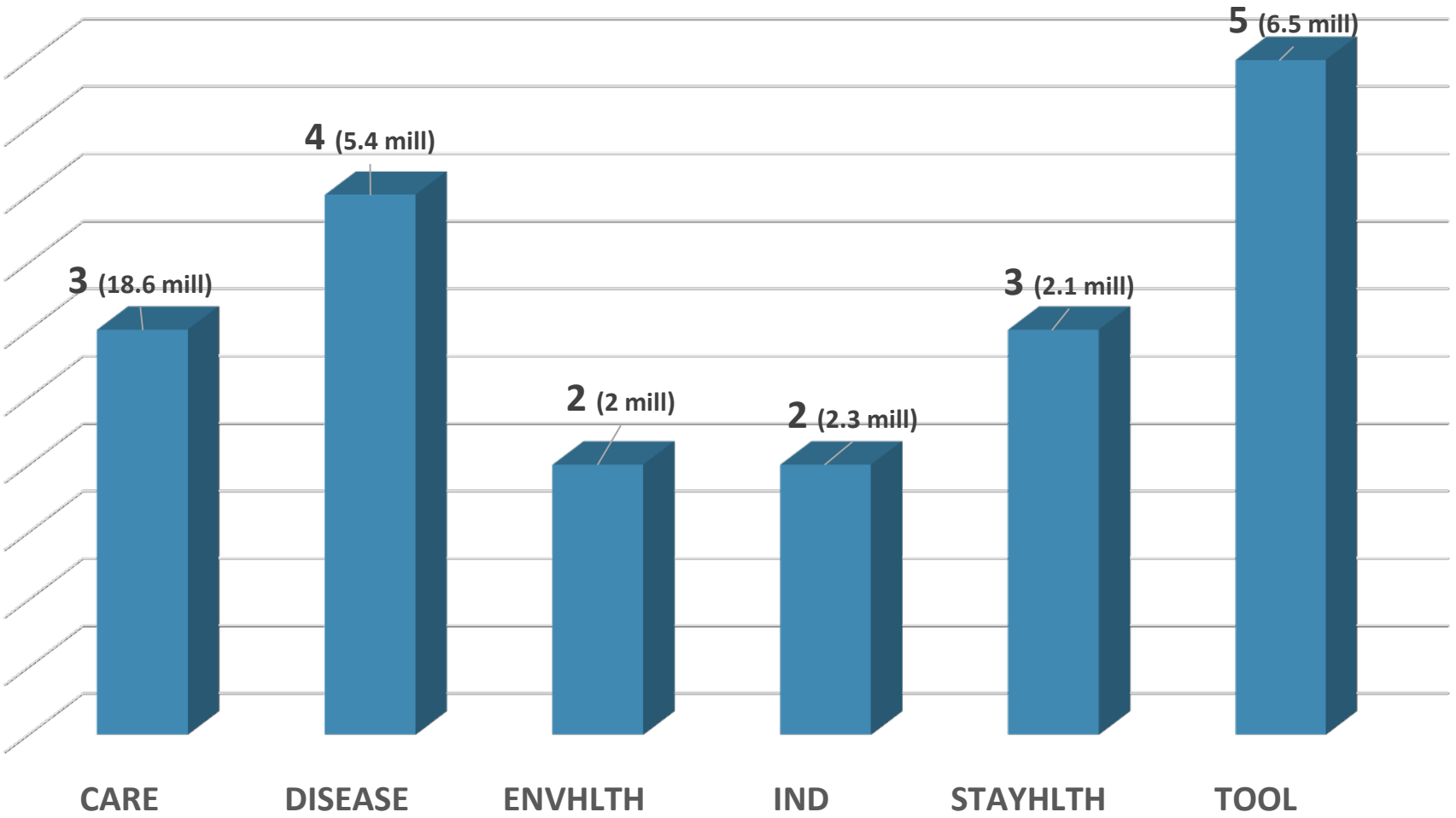
CALL 2021 + 2022 | COORDINAMENTI

Paesi	# Coordinamenti	€ Contributo finanziario
NL	35	57.616.465 €
FR	20	45.446.874 €
DE	30	42.514.252 €
IT	**19**	**37.195.253 €**
ES	24	27.768.889 €
UK	16	27.225.693 €
IE	6	14.129.809 €

ITALIA #
5° posto

ITALIA €
4° posto

CALL 2021 + 2022 | COORDINAMENTI



CLUSTER 1 | Overview Work Programme 2023 -24

Scadenze	
'23	13 Aprile e 19 Settembre
'24	19 Sett 2023 e 11 Apr 2024

Topic	
'23	29
'24	15
'23 '24	44

Budget	
'23	847 mln €
'24	509 mln €
'23 '24	1.356 mln €

- **847 mill Eur** allocati sotto le *Destinations* per il 2023 su 29 topics (tutti single-stage).
- **509 mill Eur** allocati sotto le *Destinations* per il 2024 su 15 topics.
- La **parte più consistente del finanziamento, 551 milioni di euro, andrà a progetti (*Destination 3*)** che affrontano malattie tra cui il cancro e altre malattie non trasmissibili, nonché la preparazione e risposta alle minacce per la salute.
- Ci saranno anche finanziamenti significativi per:
  - la **prevenzione**, includendo i fattori ambientali che hanno un impatto sulla salute
  - la **trasformazione dei sistemi sanitari**, inclusa l'accelerazione dello sviluppo della **medicina personalizzata**,
  - l'aumento della **competitività del settore sanitario** e
  - la creazione di **strumenti sanitari digitali**.

- **116 mill Eur** allocati per la Mission Cancer per i 4 topics del 2023.

stefano.vella08@gmail.com