



H2020 Health NCPs Meeting

SC1 'Health, Demographic Change and Wellbeing'

HORIZON 2020

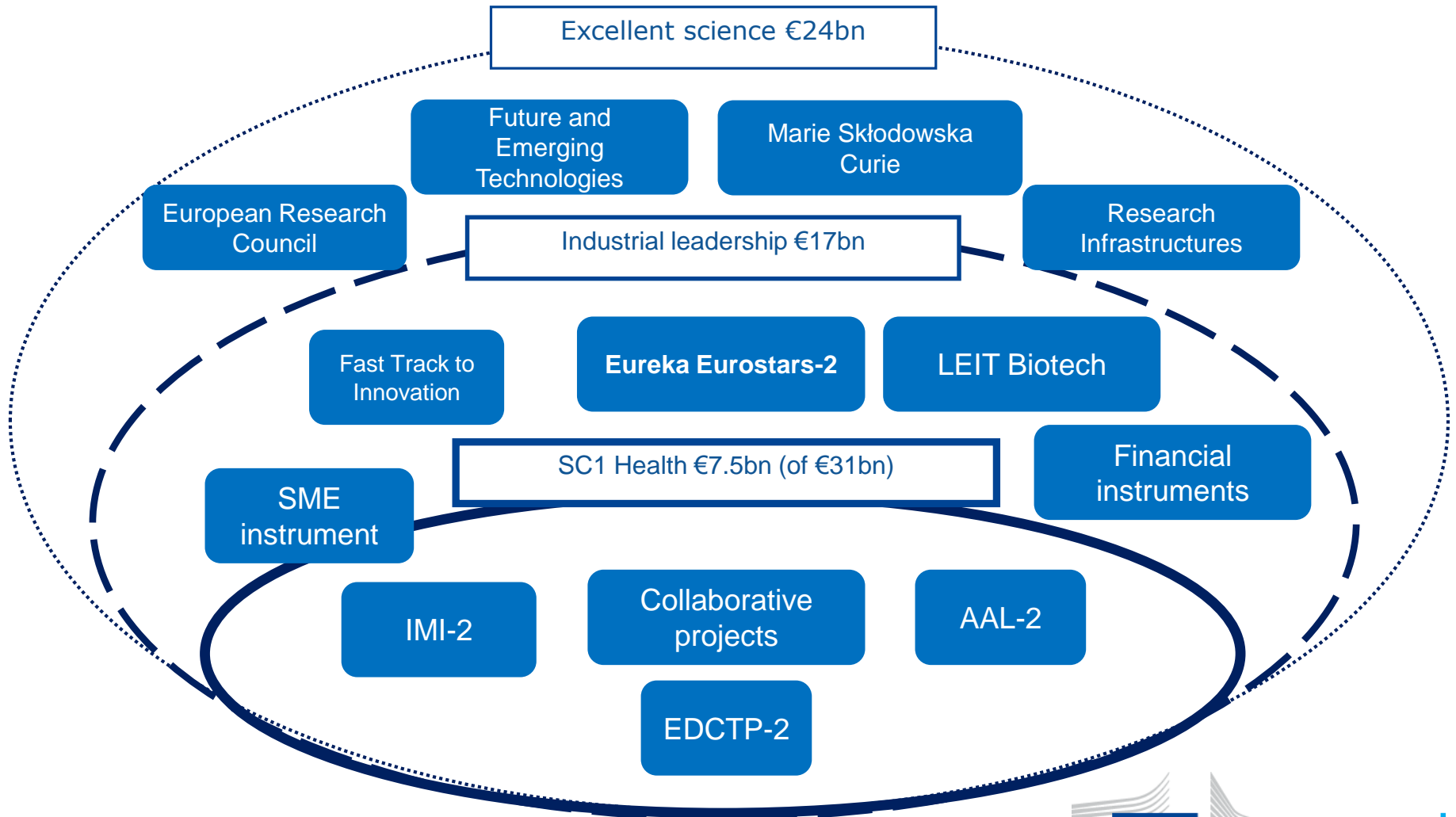


Research and
Innovation

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30 April 2015

Health in H2020



SC1 Work Programme 2014-2015

Call 'personalising health and care'

34 topics (15 in 2014, 17 in 2015, 2 open in both years)

Call for 'co-ordination activities'

16 topics (10 in 2014, 6 in 2015)

€ 1,21
billion

State-of-play of calls 2014

- All topics and selected projects of calls PHC-2014-two stage, PHC-2014-single stage and HCO-2014 have been described in details and discussed at the SC1 Horizon Group meeting of 20 January 2015
- All Grant Agreements for those calls have now been finalised and signed (at the exception of one)
- Projects started from January to May 2015

Call 'personalising health and care'

Topic	Funded projects	Allocated budget € million
PHC 1 – 2014: Understanding health, ageing and disease: determinants, risk factors and pathways	14	53.4
PHC 5 – 2014: Health promotion and disease prevention: translating 'omics' into stratified approaches	3	21.8
PHC 6 – 2014: Evaluating existing screening and prevention programmes	5	14.9
PHC 7 – 2014: Improving the control of infectious epidemics and foodborne outbreaks through rapid identification of pathogens (see also societal challenge 2)	1	20.8
PHC 8 – 2014: Vaccine development for poverty-related and neglected infectious diseases: Tuberculosis	2	26.2
PHC 10 – 2014: Development of new diagnostic tools and technologies: <i>in vitro</i> devices, assays and platforms	9	48.3
PHC 13 – 2014: New therapies for chronic non-communicable diseases	10	58.9

Call 'personalising health and care'

PHC 15 – 2014/2015: Clinical research on regenerative medicine	6	36
PHC 17 – 2014: Comparing the effectiveness of existing healthcare interventions in the elderly	8	45.3
PHC 19 – 2014: Advancing active and healthy ageing with ICT: Service robotics within assisted living environments	6	22.6
PHC 20 – 2014: Advancing active and healthy ageing with ICT: ICT solutions for independent living with cognitive impairment	3	9.5
PHC 23 – 2014: Developing and comparing new models for safe and efficient, prevention oriented health and care systems	5	29.2
PHC 26 – 2014: Self-management of health and disease: citizen engagement and mHealth	13	63.5
PHC 31 – 2014: Foresight for health policy development and regulation	2	5.6
PHC 32 – 2014: Advancing bioinformatics to meet biomedical and clinical needs	8	23.5
PHC 34 – 2014: eHealth interoperability	4	3.8

Summary of calls 2014

Call 'personalising health and care'

Call PHC-two stage 2014 (RTD)

Number of opened topics	8
Indicative budget available (€)	303 million
Deadline Stage 1	11 March 2014
Stage 1 – Number of proposals received	1681
Stage 1 – Number of successful proposals	626
Deadline Stage 2	19 August 2014
Stage 2 – Number of eligible proposals received	605
Stage 2 – Number of funded proposals	62

Call PHC-single stage 2014 (RTD and CNECT)

Number of opened topics	8
Indicative budget available (€)	180.2 million
Deadline	15 April 2014
Number of proposals received	451
Number of funded proposals	41

PHC 1 - Understanding health, ageing and disease: determinants, risk factors and pathways

LIFEPATH: Life course biological pathways underlying social differences in healthy ageing

Objectives:

- To understand the mechanisms through which healthy ageing pathways diverge by socio-economic status, including the investigation of life-course biological pathways using -omics technologies
- To examine the consequences of economic recession and of the associated increase in social inequalities on health and biology of ageing
- To obtain information on healthy ageing at different stages of life, based on the concepts of life-course epidemiology and multi-morbidity
- To integrate social sciences approaches with biological studies

Impact:

- Understanding the determinants of diverging ageing pathways among individuals belonging to different socio-economic groups
- Devising innovative Public Health strategies to ensure that healthy ageing is an achievable goal for society as a whole

PHC 7 - Improving the control of infectious epidemics and foodborne outbreaks through rapid identification of pathogens

COMPARE: Collaborative Management Platform for detection and Analyses of (Re-) emerging and foodborne outbreaks in Europe

Objectives:

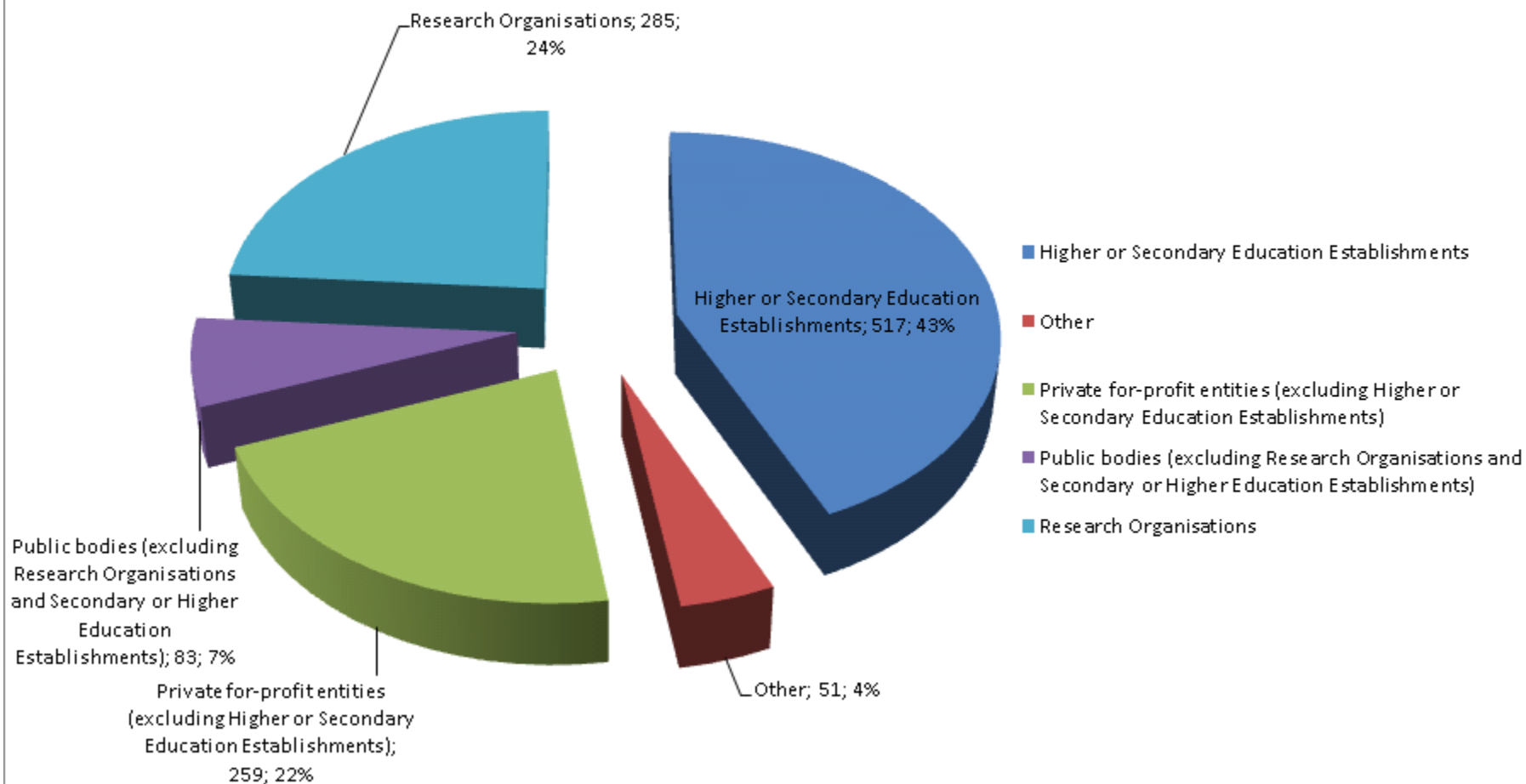
- 'One serves all' analytical framework + data exchange platform for real time analysis and interpretation of sequence-based pathogen data in combination with associated data (e.g. clinical, epidemiological data)
- Integrative approach: animal, human and zoonotic pathogens, public + veterinary health, academics and public/veterinary health officials
- EU contribution to global efforts: Global Microbial Identifier and GloPID-R
- Integrated risk assessment and risk communication tools
- To generate actionable information for support of patient diagnosis, treatment, outbreak detection and investigation
- Linked to scalable and open-source data- and information platform and to existing and future complementary systems, networks and databases such as those used by ECDC, NCBI and EFSA

PHC 6, 23 and 31 => novelties for health policy development

- **Putting Iodine Deficiency (ID) on the map in Europe**
EUTHYROID will evaluate **Iodine Deficiency prevention and monitoring programmes** in **24 European countries**, and initiate capacity building for harmonized European ID prevention and monitoring programmes
- **Validating financing/payment models for integrated chronic care (ICC) for multi-morbid patients**
SELFIE will develop new models of care and generate empirical evidence of the impact of ICC and on financing/payment schemes
- **Building future scenarios for health policy**
EUROHEALTHY will focus on the effect on **health inequalities**
FRESHER will address future burden of non-communicable diseases, collaboration with OECD

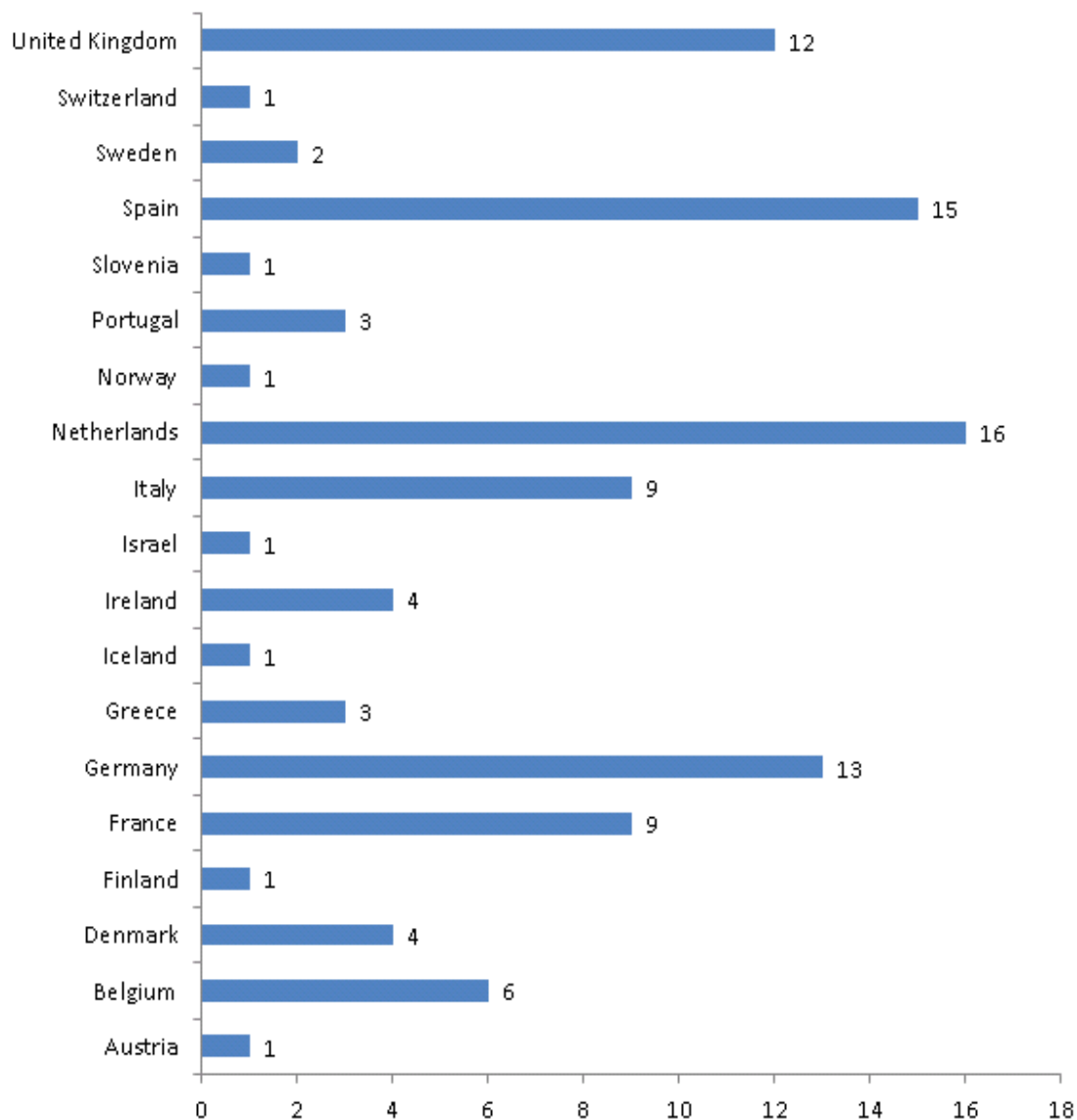
Type of organisations in signed GA resulting from PHC-2014 calls

PHC calls 2014: types of organisations for all participants in signed GAs



Countries of origin of coordinators in signed GA resulting from PHC-2014 calls

PHC calls 2014: countries of origin of the coordinators in signed GAs



Call for 'co-ordination activities'

Activities in 2014	Funded projects	Allocated budget € million
European Innovation Partnership on Active and Healthy Ageing (EIP-AHA)	1	2
Joint Programming Initiative 'More Years, Better Life's (MYBL)	1	2
Joint Programming Initiative on neurodegenerative diseases (JPND)	1	10
Translational cancer research	1	6.7
Systems medicine for clinical needs	1	4.9
Rare diseases	1	5.8
Global Research Collaboration for Infectious Disease Preparedness (GloPID-R)	1	2.9
Global Alliance for chronic diseases (GACD) – diabetes	3	10

Call for 'co-ordination activities' (2014)

Call HCO-single stage 2014

Number of opened topics	11
Indicative budget available (€)	40
Deadline	15 April 2014
Number of proposals received	49
Number of funded proposals	14

Feel4Diabetes: Developing and implementing a community-based intervention to create a more supportive social and physical environment for lifestyle changes to prevent diabetes in vulnerable families across Europe

Objectives:

- To develop, implement and evaluate a community-based intervention aiming to create a more supportive social and physical environment to promote lifestyle and behaviour change to prevent type 2 diabetes
- Phase I (PRECEDE): identify target population, behaviours and determinants. - review existing type 2 diabetes prevention, policies, legislation - develop a low-cost & applicable in low-resource settings community-based intervention programme
- Phase II (PROCEED): intervention will be implemented and its process, impact, outcome, cost-effectiveness and scalability will be evaluated

Impact:

- Embedding of the intervention results into new policy and practice

Joint Programming Initiative on neurodegenerative diseases (JPND)

Establishing synergies between the Joint Programming on Neurodegenerative Diseases Research and Horizon 2020

Following MS represented: FR (coordinator) AT, BE, DE, DK, ES, IL, IT, LU, NL, PL, PT, RO, SE, SK, UK,

- Associated countries represented: NO, TR
- Collaboration partners from Canada

Three priority topics have emerged through a consultative process:

- the identification of genetic, epigenetic and environmental risk and protective factors,
- the development and maintenance of longitudinal cohorts,
- the creation of advanced experimental models.

These are key questions of equal priority to increase understanding of ND mechanisms that will be addressed

Global Research Collaboration for Infectious Disease Preparedness (GloPID-R)

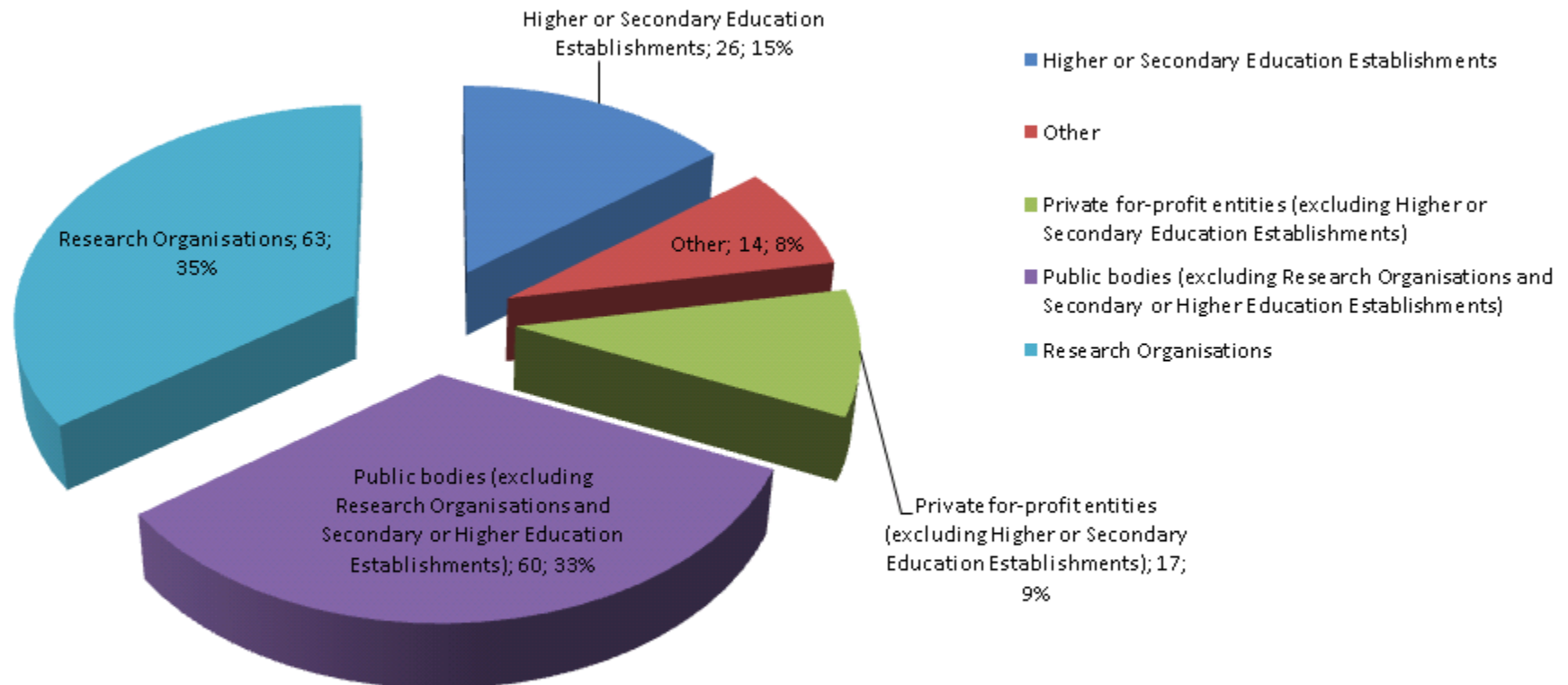
Support for international infectious disease preparedness research

One project, with key institutions involved

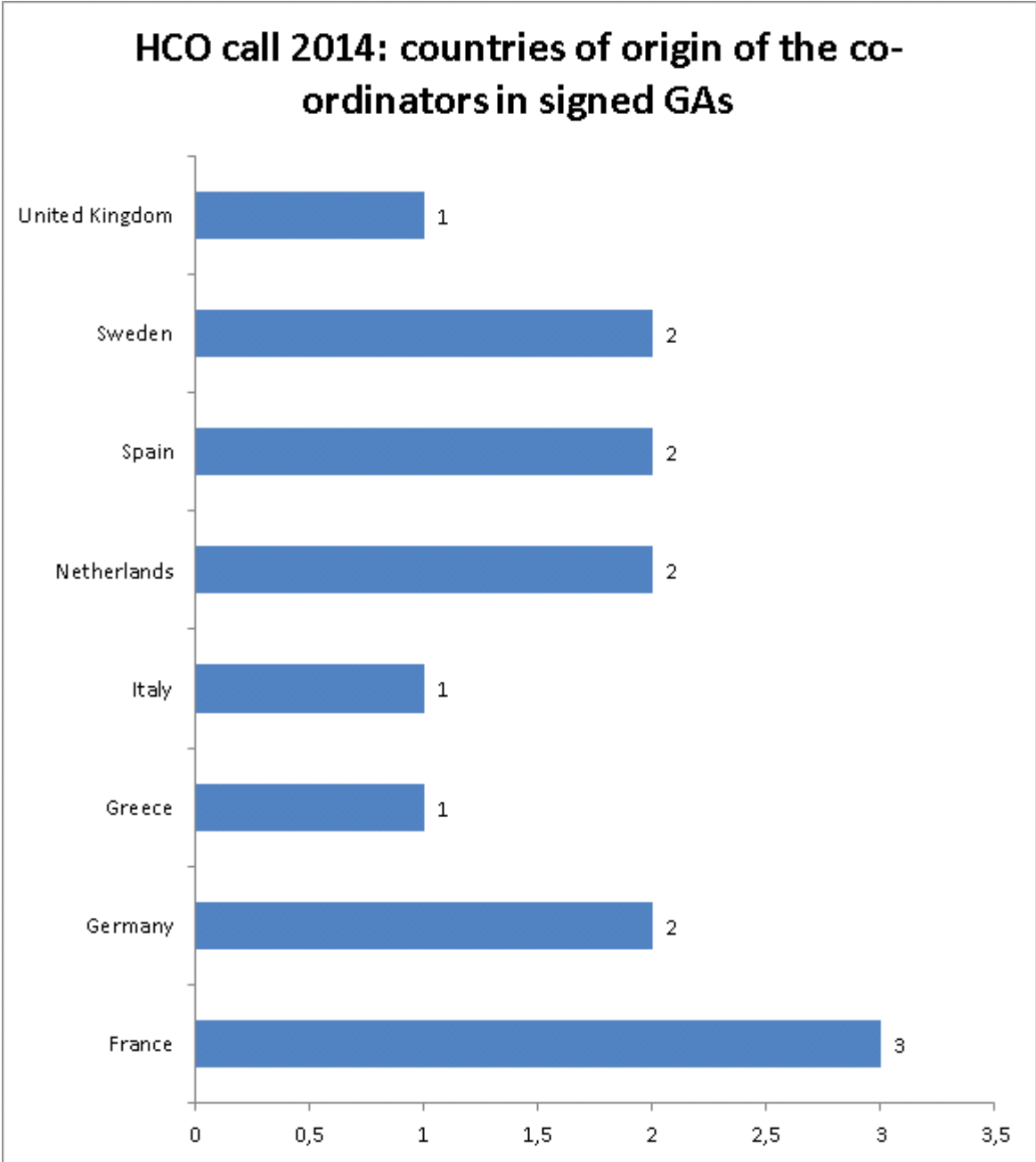
GloPID-R-Sec: secretarial support to the Global Research Collaboration for Infectious Disease Preparedness (GloPID-R) for 5 years. Staffed by Fondation Mérieux/FR (coordinator) and ISARIC (International Severe Acute Respiratory and Emerging Infection Consortium), hosted by the University of Oxford.

Type of organisations in signed GA resulting from HCO-2014 calls

HCO call 2014: types of organisations for all participants in signed GAs



Countries of origin of coordinators in signed GA resulting from HCO-2014 calls



SME instrument

State-of-play of calls 2015

Call 'personalising health and care'

Topic

PHC 2 – 2015: Understanding diseases: systems medicine

PHC 3 - 2015: Understanding common mechanisms of diseases and their relevance in co-morbidities

PHC 4 – 2015: Health promotion and disease prevention: improved inter-sector co-operation for environment and health based interventions

PHC 9 – 2015: Vaccine development for poverty-related and neglected infectious diseases – HIV/AIDS

PHC 11 – 2015: Development of new diagnostic tools and technologies: in vivo medical imaging technologies

PHC 12 – 2014/2015: Clinical validation of biomarkers and/or diagnostic medical devices

PHC 14 – 2015: New therapies for rare diseases

PHC 15 – 2014/2015: Clinical research on regenerative medicine

PHC 16 – 2015: Tools and technologies for advanced therapies

Call 'personalising health and care'

PHC 18 – 2015: Establishing effectiveness of health care interventions in the paediatric population

PHC 21 – 2015: Advancing active and healthy ageing with ICT: Early risk detection and intervention

PHC 22 – 2015: Promoting mental wellbeing in the ageing population

PHC 24 – 2015: Piloting personalised medicine in health and care systems

PHC 25 – 2015: Advanced ICT systems and services for Integrated Care

PHC 27 – 2015: Self-management of health and disease and patient empowerment supported by ICT

PHC 28 – 2015: Self-management of health and disease and decision support systems based on predictive computer modelling used by the patient him or herself

PHC 29 – 2015: Public procurement of innovative eHealth services

PHC 30 – 2015: Digital representation of health data to improve disease diagnosis and treatment

PHC 33 – 2015: New approaches to improve predictive human safety testing

Call 'personalising health and care' (2015)

Call PHC-two stage 2015 (RTD)

Number of opened topics	10
Indicative budget available (€)	306 million
Deadline Stage 1	14 October 2014
Stage 1 – Number of proposals received	2096
Stage 1 – Number of successful proposals	506
Deadline Stage 2	21 April 2015
Stage 2 – Number of proposals received	486
Stage 2 – Number of funded proposals	<i>Evaluation on-going</i>

Call PHC-single stage 2015 (RTD & CNECT)

Number of opened topics	8
Indicative budget available (€)	192.5 million
Deadline	24 February 2015 (RTD) – 21 April 2015 (CNECT)
Number of proposals received	80 (3 topics – RTD) 631 (6 topics – CNECT)
Number of funded proposals	<i>Evaluation on-going</i>

Call 'personalising health and care' (2015)

RTD topics

A total of 80 proposals were submitted

Number of proposals for each topic :

PHC-09 : 6

PHC-15 : 46

PHC-33 : 28

Call 'personalising health and care' (2015)

CNECT

A total of 631 proposals were submitted

Breakdown per topic is as follows:

PHC-21-2015: 165

PHC-25-2015: 174

PHC-27-2015: 5

PHC-28-2015: 184

PHC-29-2015: 3

PHC-30-2015: 100

Call for 'co-ordination activities'

Activities in 2015

HCO 6 – 2015: Global Alliance for Chronic Diseases: 2015 priority

HCO 11 – 2015: ERA-NET: Collaboration and alignment of national programmes and activities in the area of brain-related diseases and disorders of the nervous system

HCO 12 – 2015: ERA-NET: Antimicrobial Resistance

HCO 13 – 2015: ERA-NET: Cardiovascular disease

HCO 17 – 2015: Towards sustainability and globalisation of the Joint Programming Initiative on Neurodegenerative Diseases

Call for 'co-ordination activities' (2015)

Call HCO-single stage 2015

Number of opened topics	5
Indicative budget available (€)	29
Deadline	24 February 2015
Number of proposals received	27
Number of funded proposals	<i>evaluation on-going</i>

Call for 'co-ordination activities' (2015)

A total of 27 proposals were submitted

Number of proposals for each topic

HCO-06 : 20

HCO-11 : 2

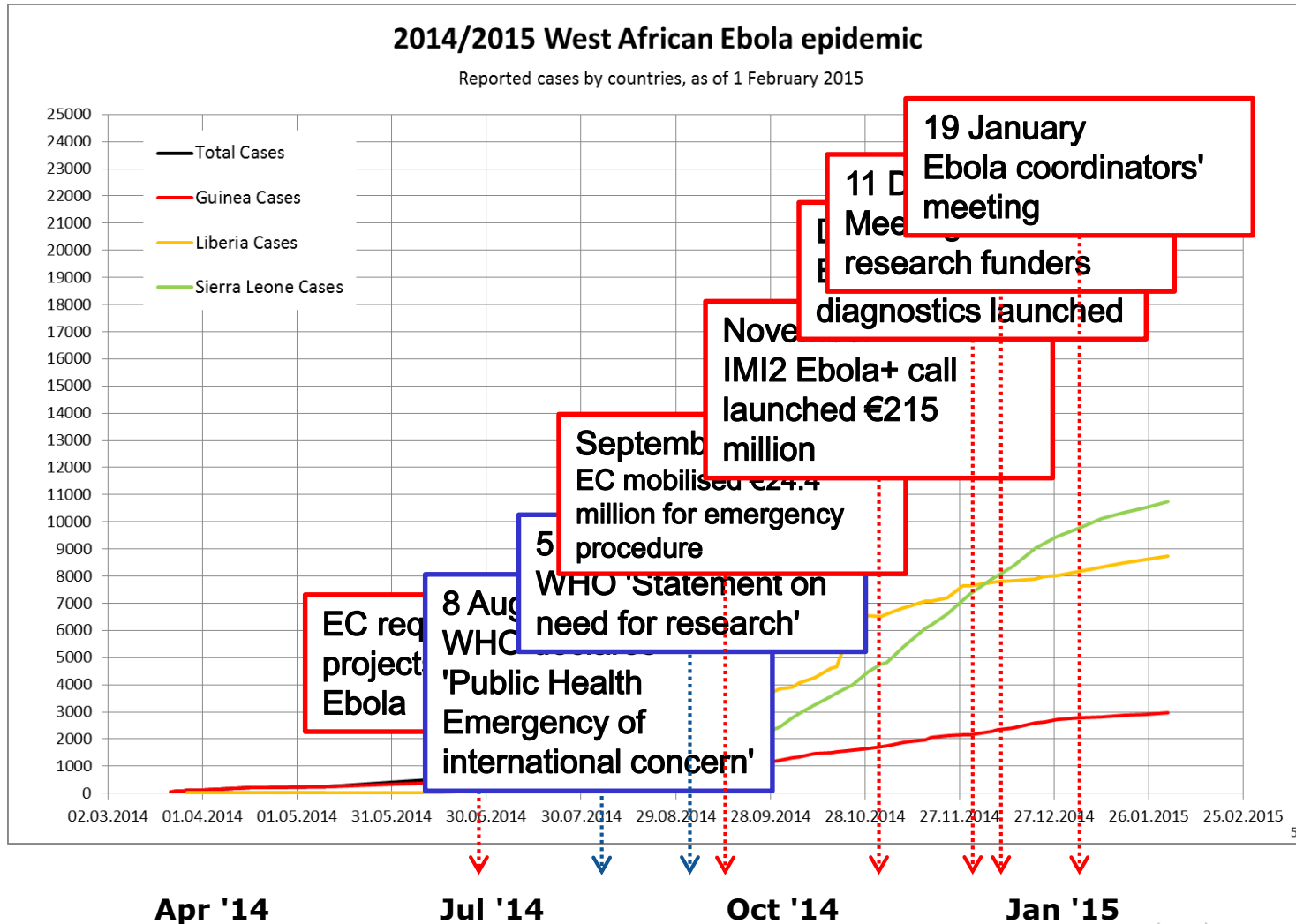
HCO-12 : 1

HCO-13 : 2

HCO-17 : 1

Ebola

The Research Response to the Ebola Outbreak



Ebola projects funded by :

Horizon 2020–emergency procedure

FP7

IMI 2

Vaccines: **EbolaVac**, VSV-EBOVAC, EBOVAC1, EBOVAC2, EBOMAN, EBODAC

Therapeutics: **REACTION**, **Ebola_Tx**, **IF-Ebola**

Diagnostics: Mofina, FILODIAG, EbolaMoDRAD

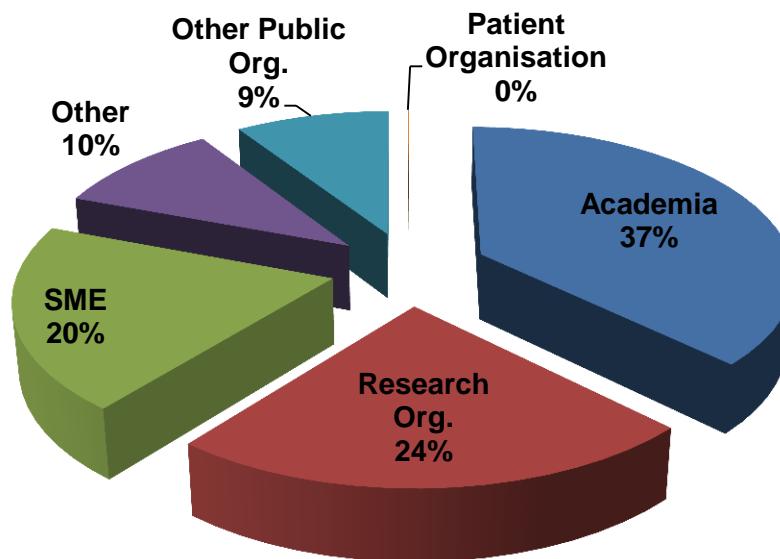
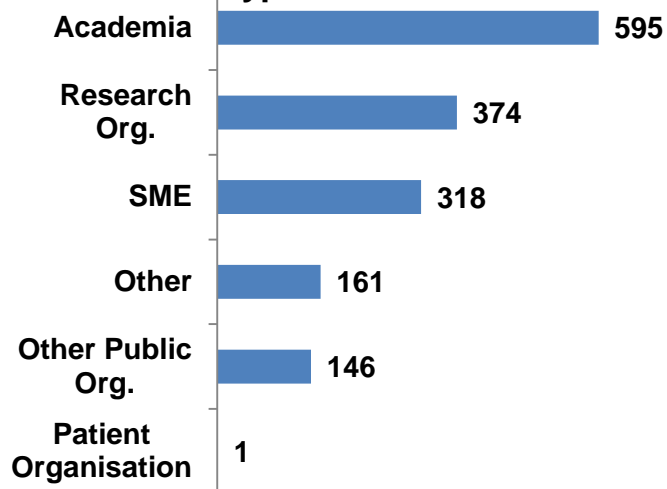
Basic research: **EVIDENT**, **Antigone**, **Predemics**

Preparedness and Communication: **Prepare**, **Tell Me**

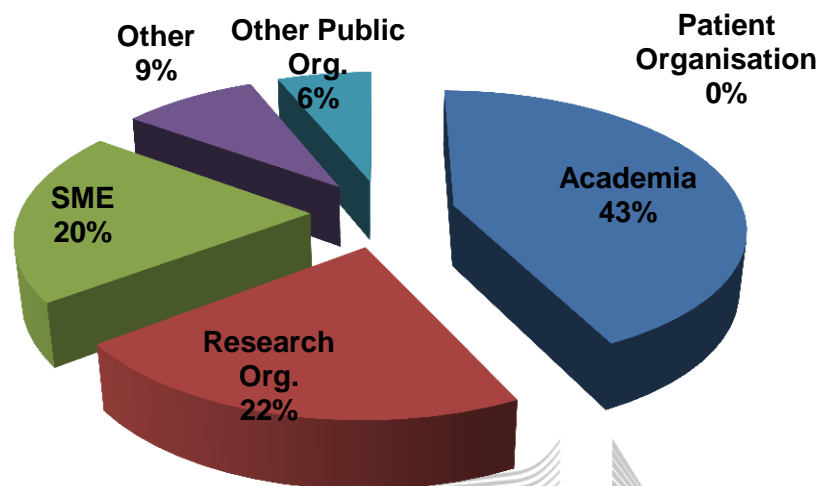
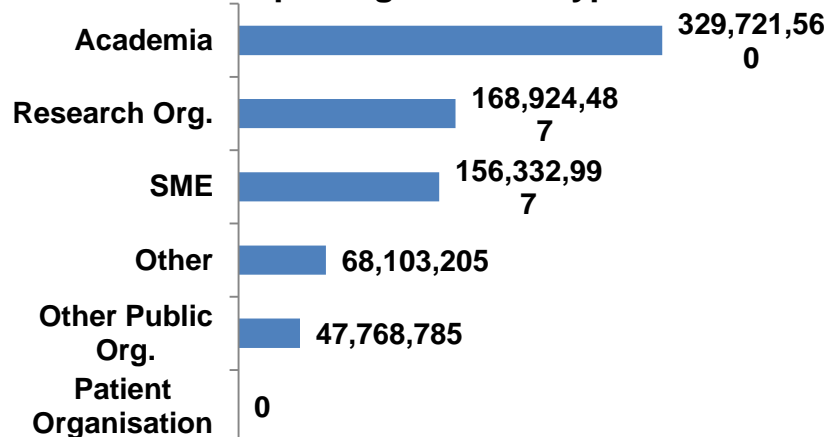
More Statistics

Organisations participating in the programme

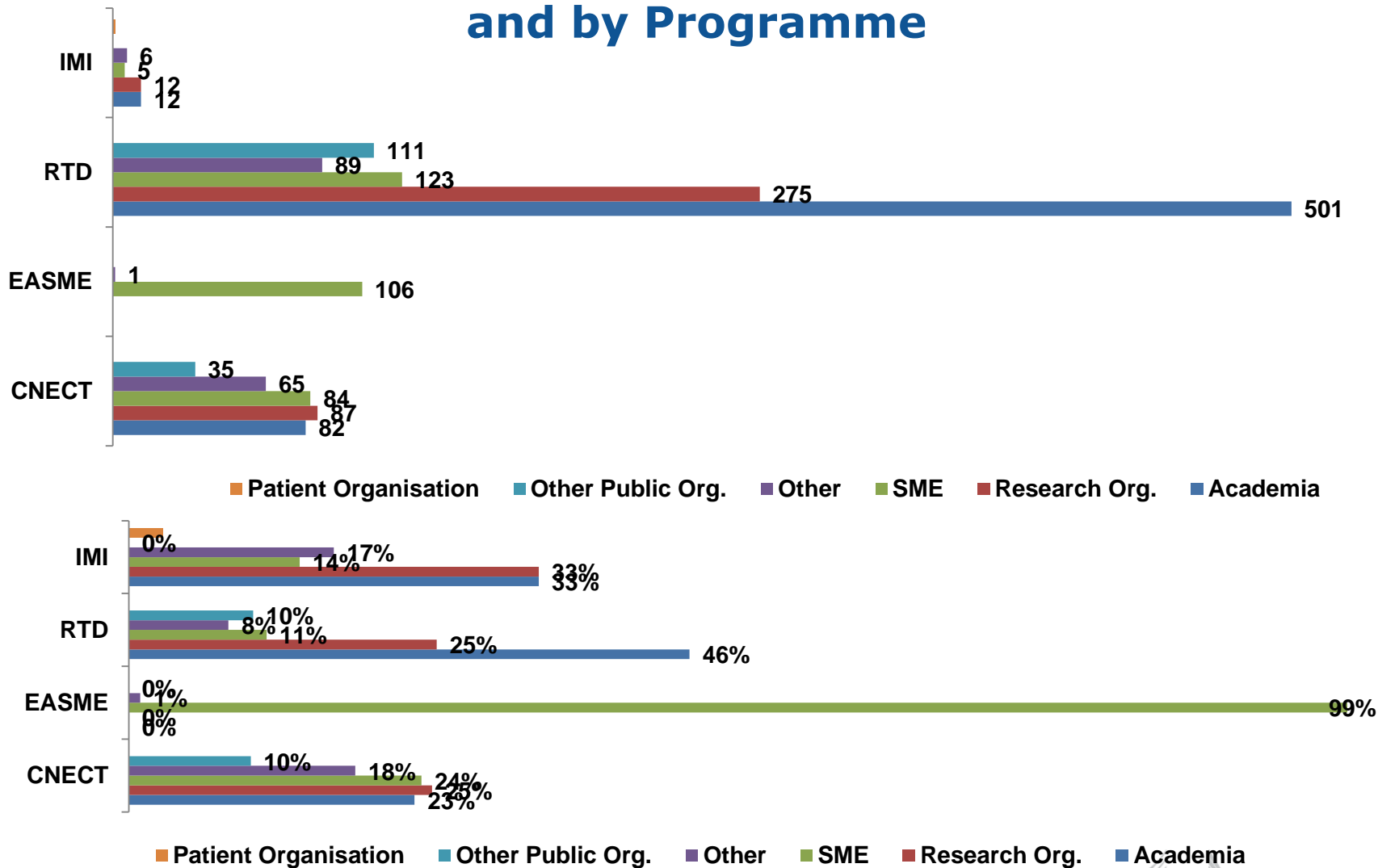
Participations per organisation type



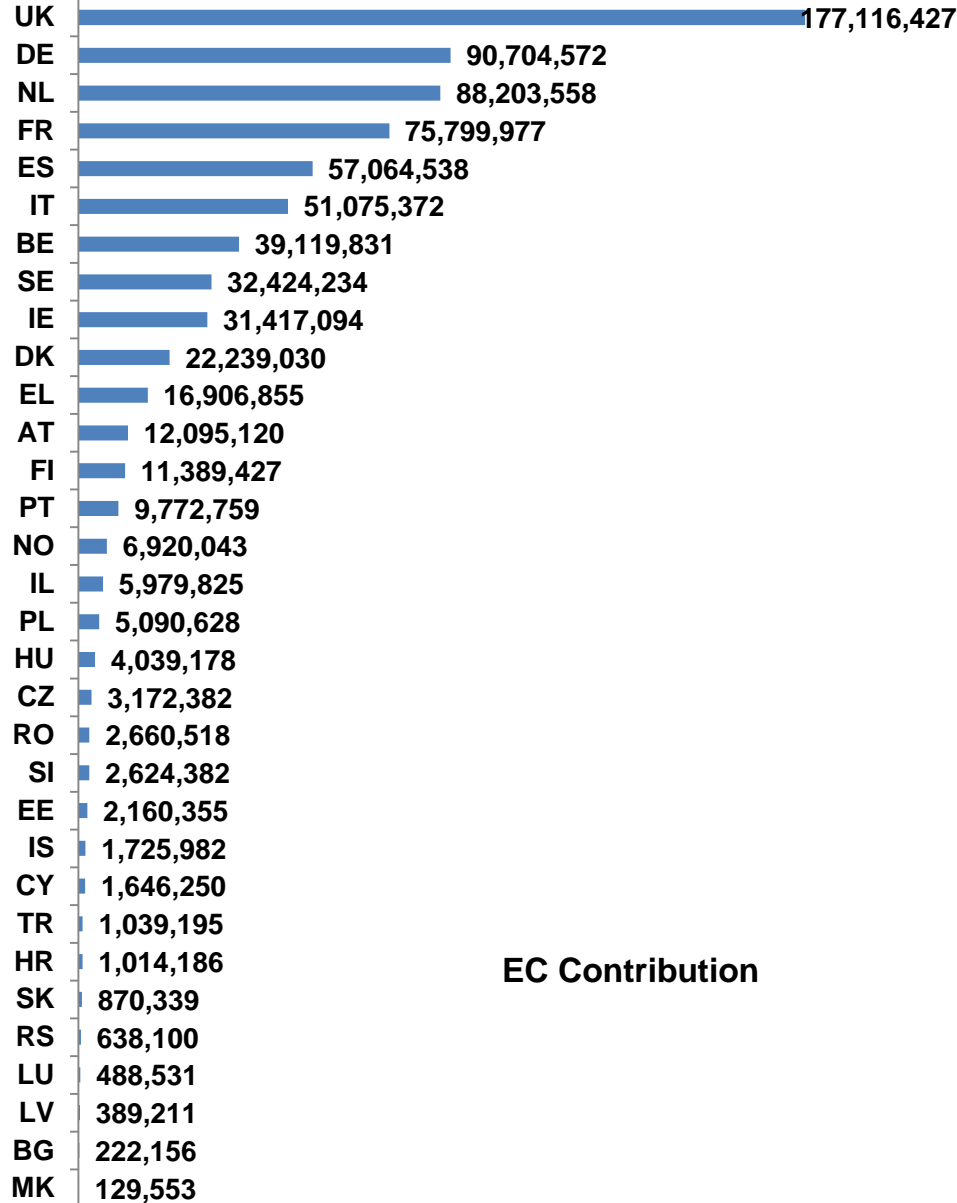
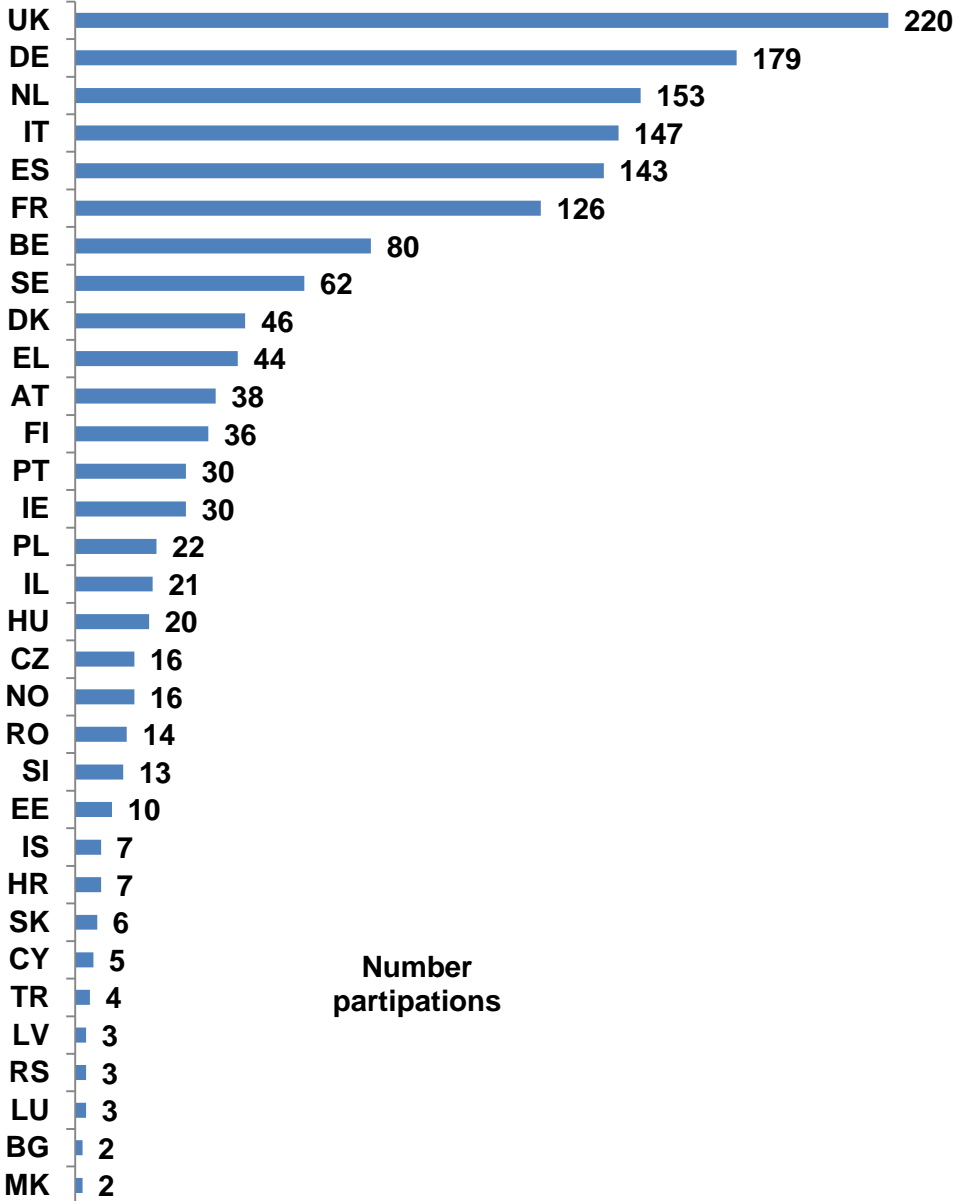
EC Contribution per organisation type



Number participations by organisation type and by Programme



Distribution by Member States & Associated States





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Thank you



HORIZON 2020