EU-COOPERATION WORKSHOP IN MILANO, 27 NOV 2017

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EU-Cooperation TOP-15 Horizon 2020 Participants

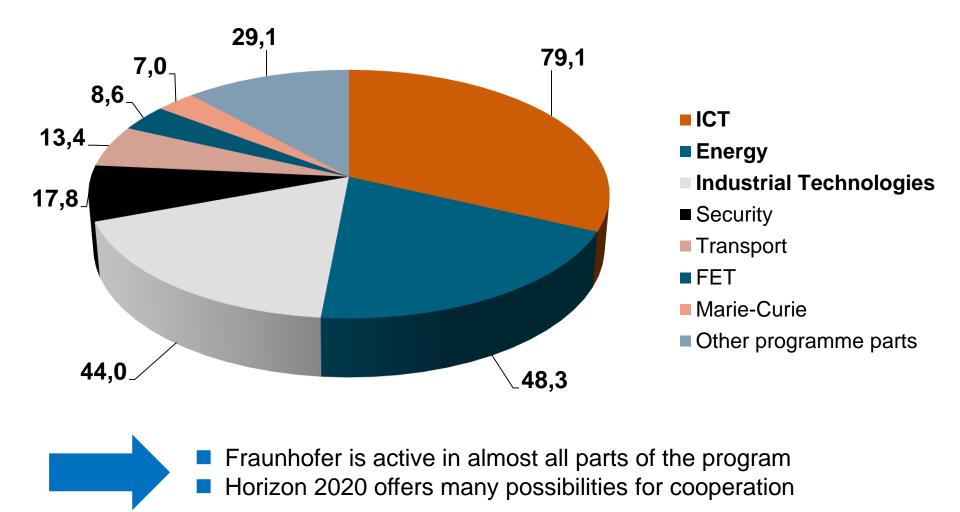
	Name / Country		Funding granted (Mio €)	Participation in total	Coordinations
1	CNRS	FR	422	581	18
2	HELMHOLTZ-GEMEINSCHAFT	DE	382	639	76
3	FRAUNHOFER-GESELLSCHAFT	DE	247	439	64
4	UNIVERSITY OF OXFORD	UK	212	308	8
5	CEA	FR	209	261	41
6	MAX PLANCK GESELLSCHAFT	DE	203	257	9
7	UNIVERSITY OF CAMBRIDGE	UK	199	312	5
8	UNIVERSITY COLLEGE LONDON	UK	185	281	17
9	IMPERIAL COLLEGE LONDON	UK	143	232	12
10	TECHNISCHE UNIVERSITEIT	NL	128	187	14
11	UNIVERSITY OF EDINBURGH	UK	126	172	11
12	CSIC	ES	124	282	11
13	INSERM	FR	120	135	10
14	KOBENHAVNS UNIVERSITET	DK	120	255	3
15	KATHOLIEKE UNIVERSITEIT LEUVEN	BE	120	205	16

EU funding granted under the grant agreements of Horizon 2020 since the start of the program (2014)

- Number of signed grant agreements under Horizon 2020 since the start of the program (2014)
- Coordinations: H2020 parts with predominantly individual grants not included (ERC, MSCA)



EU-Cooperation Funding for Fraunhofer by Topic (in € Mio)

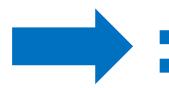


Source: CORDIS - EU research projects under Horizon 2020 (2014-2020), 01/06/2017



EU-Cooperation TOP-10 Italian Partners under Horizon 2020

Partner	Number of joint projects
CONSIGLIO NAZIONALE DELLE RICERCHE	22
POLITECNICO DI MILANO	16
CENTRO RICERCHE FIAT SCPA	16
POLITECNICO DI TORINO	10
UNIVERSITA DEGLI STUDI DI ROMA LA SAPIENZA	10
TELECOM ITALIA SPA	9
D'APPOLONIA SPA	9
ISTITUTO SUPERIORE MARIO BOELLA SULLE TECNOLOGIE DELL'INFORMAZIONE E DELLE TELECOMUNICAZIONI ASSOCIAZIONE	8
AGENZIA NAZIONALE PER LE NUOVE TECNOLOGIE, L'ENERGIA E LO SVILUPPO ECONOMICO SOSTENIBILE	7
UNIVERSITA DEGLI STUDI DI PADOVA	7

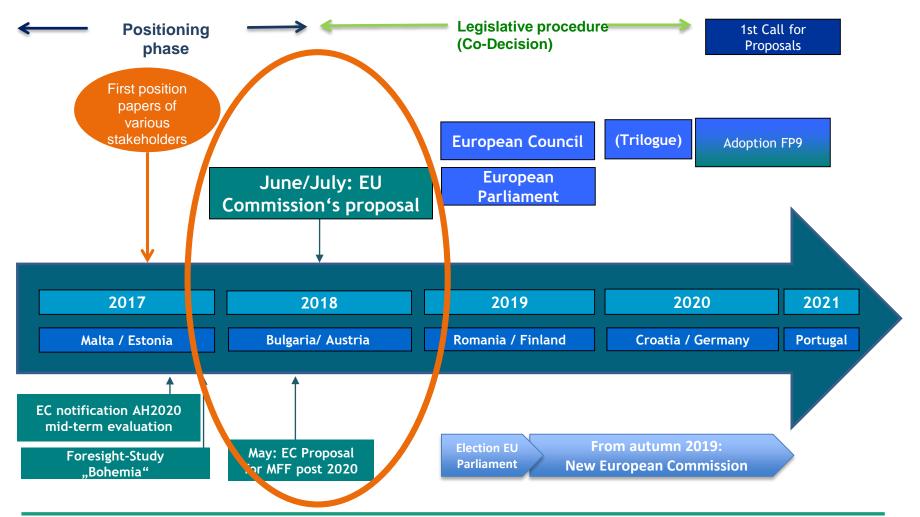


207 out of 439 Fraunhofer projects have Italian partners
Italy is #2 partner country of Fraunhofer (after Spain)

Source: CORDIS - EU research projects under Horizon 2020 (2014-2020) , 01/06/2017 **Excluded:** EUroFusion Projekt, COST; **Not considered:** Fraunhofer AT, IT, UK, PT



EU-Cooperation Timeline for FP 9



Source: Federal Ministry of Science and Education



EU-Cooperation **Possible Structure of FP 9** Numerous open Questions, e.g. What Role for Missions?

Pillar I Pillar II Pillar III Science and Skills Innovation **Global Challenges Missions European Innovation ERC** Council Societal Challenges Marie Skłodowska SME Instrument **Curie Actions** Public Private Fast Track to Innovation **Partnerships** Research **FET** Open (PPPs)? Inducement prices infrastructure Joint Technology FET? **KETs**? Initiatives (JTIs)?



Future of existing pillar »Industrial Leadership«/KETs? Role of companies doing research in FP9?

How many missions? How do they relate to soci

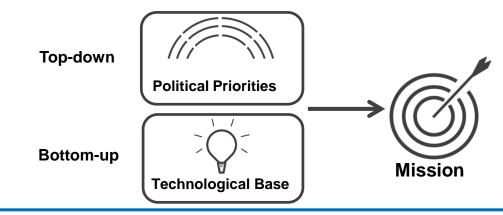
How many missions? How do they relate to societal challenges?



EU-Cooperation How Could Missions Look Like Under FP 9?

Context

- Missions to be considered as new elements of EU research funding
- Aim of the missions is to improve the impact of EU projects
- Commission is consulting stakeholders



Fraunhofer's view

- Mission: Large-scale project to reach a concrete goal within a fixed timeframe and budget (Moon-Shot projects)
- Selection: Transparent and coordinated: top-down + bottom-up
- Number of missions should be limited, their budget reasonably high



EU-Cooperation What Future for Key Enabling Technologies – KETs ?

Context

- High-Level Group's mid-term evaluation of Horizon 2020 does not mention KETs
- Commission openly thinks about integrating KETs into pillar III »Global Challenges«
- No dedicated KETs program under FP9?
- Lobby effort needed!



Fraunhofer's view:

- Research for and with the industry has to remain a central component of FP 9
- Cooperation between science and industry needs to be promoted and supported in all program parts
- Funding of key technologies in pre-competitive innovation networks is granted under one dedicated (KETs) program



EU-Cooperation Five Guiding Principles of Fraunhofer for FP9

- 1. Declare the competitiveness of European industry a top priority
- 2. Increase impact and visibility through European missions
- 3. Support innovation through the EIC in an assertive technology push approach
- 4. Establish a separate defence research program with additional resources and own rules
- 5. Provide fair and simple funding conditions

FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V.

FRAUNHOFER'S FIVE GUIDING PRINCIPLES FOR THE PREPARATION OF THE 9TH FRAMEWORK PROGRAMME FOR RESEARCH AND INNOVATION

→ www.fraunhofer.de/fp9



💹 Fraunhofer

EU-Cooperation EIT KICs: Two New Calls for Proposal



EIT Urban Mobility

 Smart, green and integrated urban transport

EIT Manufacturing

- Strengthening the competitiveness of Europe's manufacturing industry
- Guidelines for applicants: November 2017
- Publication of the calls for proposal: 12 January 2018
- Deadline: 12 July 2018



MILLE GRAZIE!

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