

Seminar and Training Course on Horizon 2020:

Information on how the European Programme for Research and Innovation works and how to get involved

Brussels

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Promotion of EU-Japan cooperation in Innovation, Science and Technology



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From FP7 to Horizon 2020



FP7: 2007-2013

(2007-2011 +2 years for EURATOM)



Horizon 2020

- The Framework Programme for Research and Innovation



CIP: 2007-2013

Innovation

Competitiveness



EIT: 2008-

European Institute of Innovation and Technology



Europe 2020: EU's growth strategy

Exiting the economic crisis

Smart growth

Sustainable growth

Inclusive growth

Innovation Union

- One of 7 flagship initiatives

Innovation-friendly environment

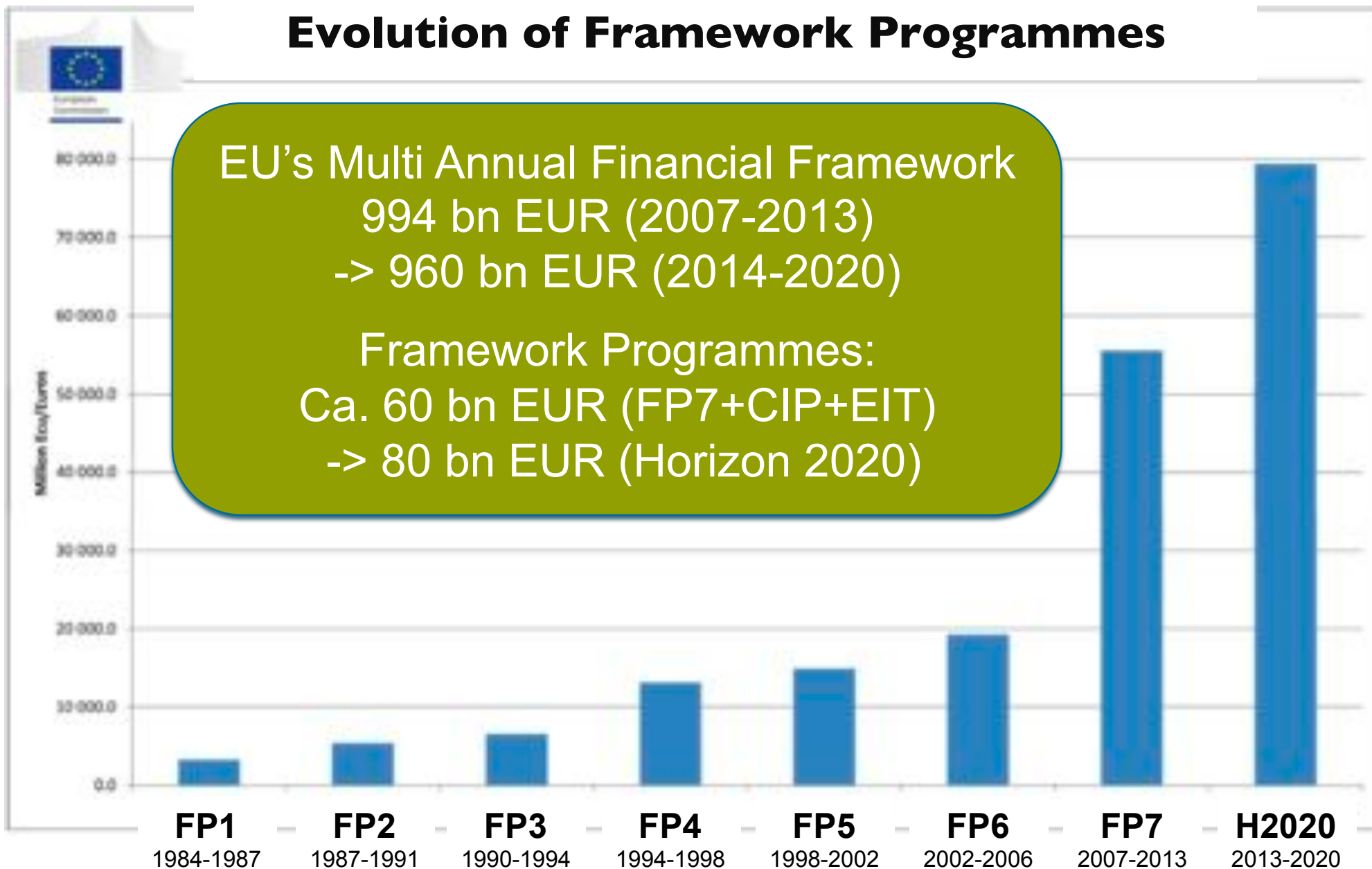
Economic growth and jobs

Horizon 2020

Financial instrument to implement Innovation Union

EU's global competitiveness

Evolution of Framework Programmes



EU-Japan Centre for Industrial Cooperation - Projects and services

EU-Japan Centre for Industrial Cooperation - organization

Head Office in Tokyo and a branch in Brussels

- Tokyo (1987- 17 members of staff)
- Brussels (1995- 10 members of staff)

2 General Managers:

- EU side: Mr. Silviu Jora
- Japan side: Mr. Hiroshi Tsukamoto

Budget for 2014: ca. 4 MEUR

- EC: DG ENTR (operation grant) & DG RTD (action grant)
- Japanese Ministry of Economy, Trade and Industry (METI)
- Institute for International Studies and Training (IIST)
- Contributions from European and Japanese business

EC-METI joint venture
since 1987



Mission

- ◆ Promote EU-Japan cooperation in industry, trade and investment.
- ◆ Strengthen the technological capabilities and the competitiveness of EU/JP enterprises

EU-Japan Centre for Industrial Cooperation - activities

I. Policy analysis and advice

Think tank activities

- Energy, environment, climate change
- Trade and investment
- Industrial policy (including SME, innovation, competition, etc.)

EU-Japan Business Round Table

II. Services to Business

Training

- EU managers, exporters and investors
- EU/JP engineering and scientific students (Vulcanus)

Information service

- EU and Japanese SMEs
- **Enterprise Europe Network (EEN)**



III. Support to EU-Japan cooperation in Science, Technology & Innovation

- **R&D&I** - Framework Programme (**FP7 & Horizon 2020**): J-BILAT, JEUIPSTE, GNSS.asia
- **National Contact Point (NCP)**
- Services for MIC
- Cluster helpdesk & info
- Promotion of Industrial Innovation

National Contact Point (NCP)

- Established in 1999
- Each country nominates national and regional contact point for information service and assistance
- Nomination for each area (Societal challenges, ICT, Marie Skłodowska-Curie actions, Legal/financial, etc.)

□ In November 2013, the EU-Japan Centre for Industrial Cooperation was nominated as the first NCP in Japan for FP7 and Horizon 2020 on all aspects.

□ Full service will be deployed from April 2014

21st EU-Japan Summit: Joint Press Statement

17. Summit leaders... welcomed the **nomination of a National Contact Point (NCP) for the EU Framework Programme in Japan**, as an important step to facilitate the participation of Japanese entities to the EU's Horizon 2020 programme, and expressed their desire to open up **new horizons for Japan-EU science and technology collaboration**.



Tokyo, 19 Nov 2013

And here comes the JEUIPSTE project!

Official name	Japan-EU Partnership in Innovation Science and TEchnology
Short name	JEUIPSTE
Period	36 months (2013.9.1 – 2016.8.31)
Budget	Ca. 1.25 MEUR from FP7 + contribution from partners

<http://www.jeupiste.eu>



What you can expect? – project activities

WP1.1 Overall coordination

Contribution to the EU-Japan STI policy dialogue:
Data collection, analysis, roadmapping

WP2 Support to policy dialogues

WP2.2 Input to policy dialogues

Bilateral information service and seminars

WP3.1 EU-JP (former BILAT)

WP3 Bilateral dissemination

WP3.2 JP-EU (former ACCESS4EU)

Academic/Innovation workshops, research
infrastructure, mobility

WP4.3 Funding organizations (CONCERT-Japan follow-up)

Contact points, helpdesk, training

WP5.3 Helpdesk

Communication, outreach

WP6.4 Communication with multipliers incl. media

WP6.5 Dissemination incl. newsletter

Enterprise Europe Network



- Created by the EC in 2008
- Supporting SMEs and research organizations
- 600 members from 50 countries
- EU-Japan Centre is a member since 2011

<http://www.een-japan.eu/ja/>

Another opportunity: EUREKA presentation

EUREKA Secretariat
Susanne Madders

Training course on Horizon 2020

by JEUPISTE

APRE - Agency for the Promotion of European Research

Gianluigi Di Bello

Monique Bossi

EU-Japan Centre for Industrial Cooperation

Toshiyasu ICHIOKA

From where Framework Programme came and evolved?



Necessity for EU-wide programme
Subsidiarity

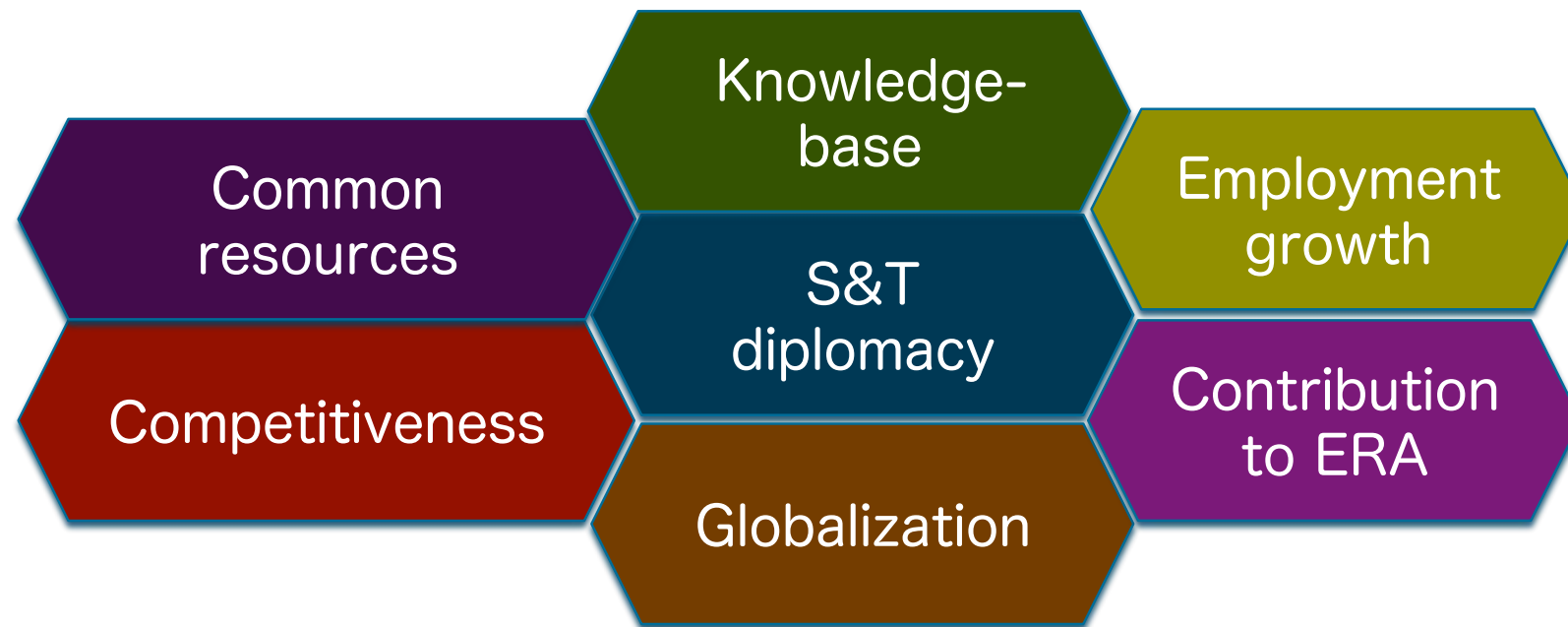


COST (1971-)
ESPRIT, RACE, etc. (1983 -)
Framework Programme (1984 -)



Integration of other schemes
Enlargement of scope
7th Framework Programme
Horizon 2020 (2014-2020)

EU Framework Programme for Research & Innovation: Horizon 2020



Key points on Horizon 2020

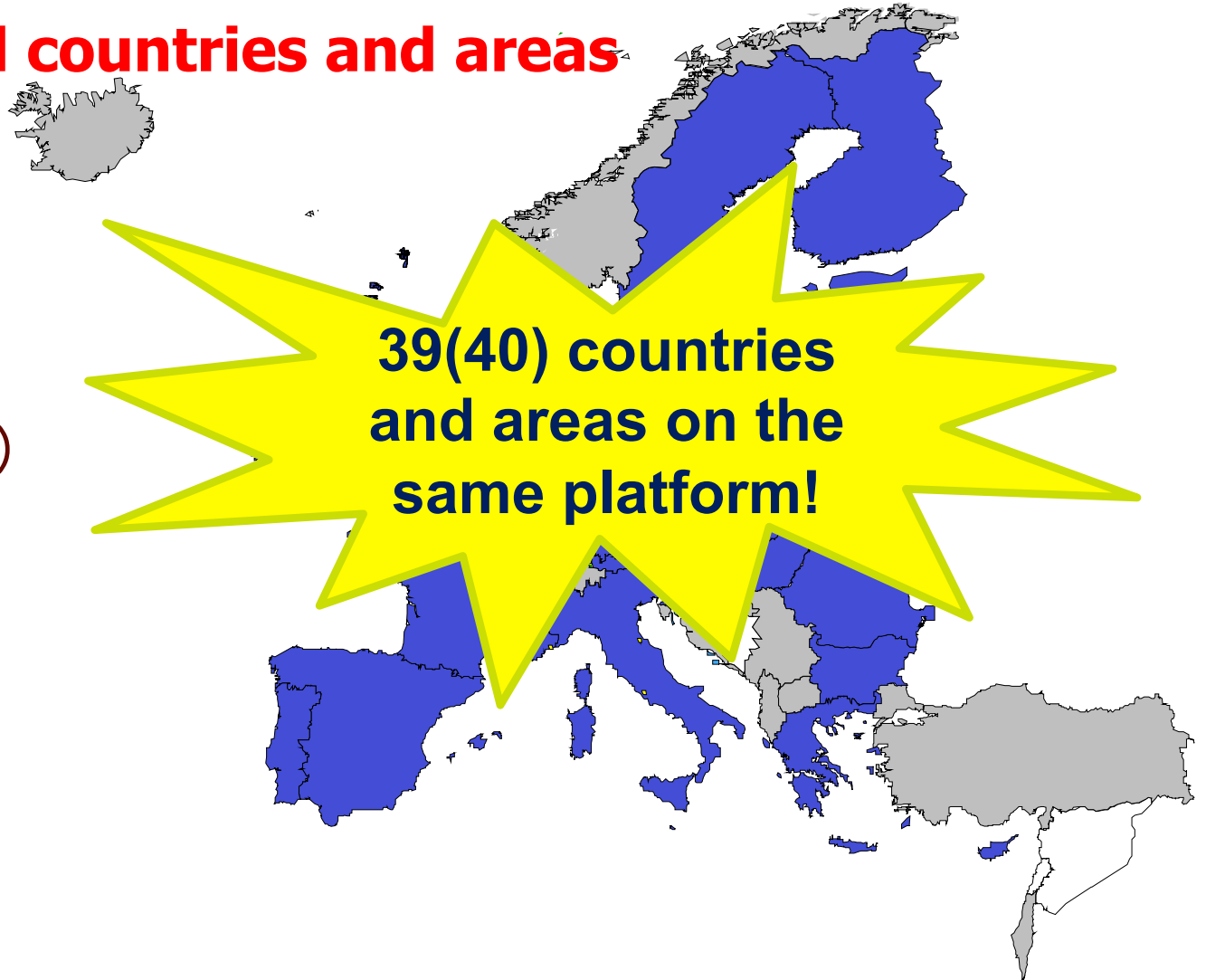
1. Framework for multi-pole, interdisciplinary research and innovation
2. Open to the world
3. Calls for proposals and competitive selection based on excellence
4. Participation of SMEs

Horizon 2020 countries

28 EU member states

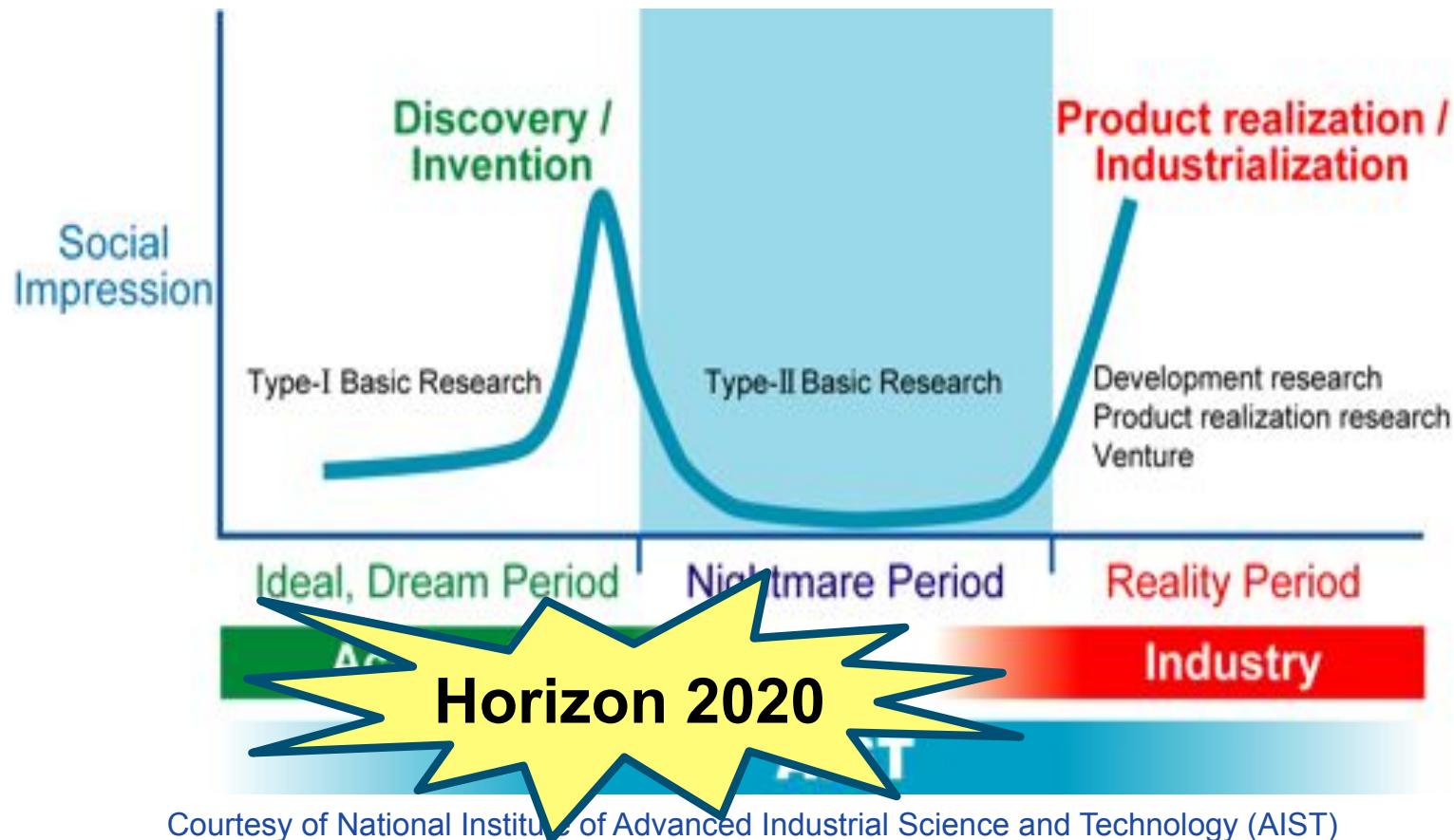
+ **11 associated countries and areas**

- Iceland
- Norway
- Switzerland
- Turkey
- Albania
- FYROM (Macedonia)
- Montenegro
- Serbia
- Bosnia Herzegovina
- Israel
- Faroe Islands
- Moldova



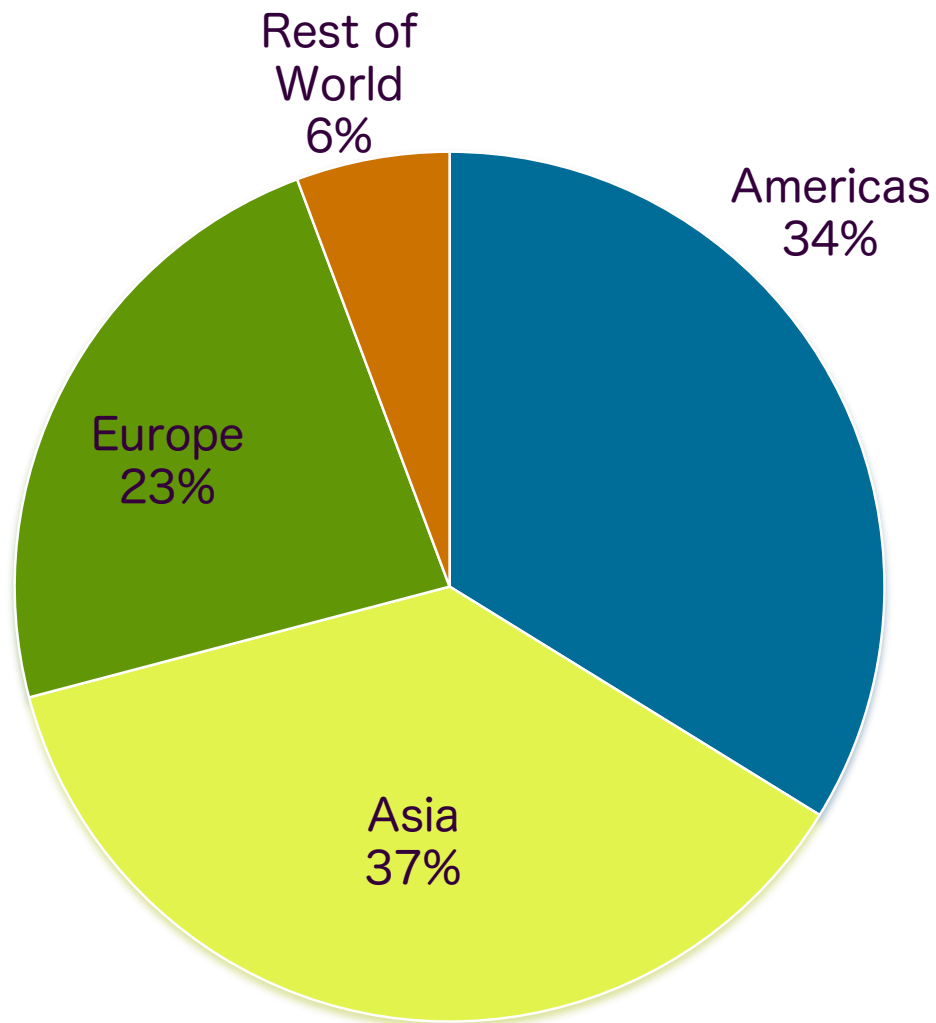
Key points on Horizon 2020

5. Focus on pre-competitive, applicable research & innovation
6. Two principles: co-funding and non-profit making
7. Projects own the IPR (foreground)



Meaning of International Cooperation: R&D budget in the world

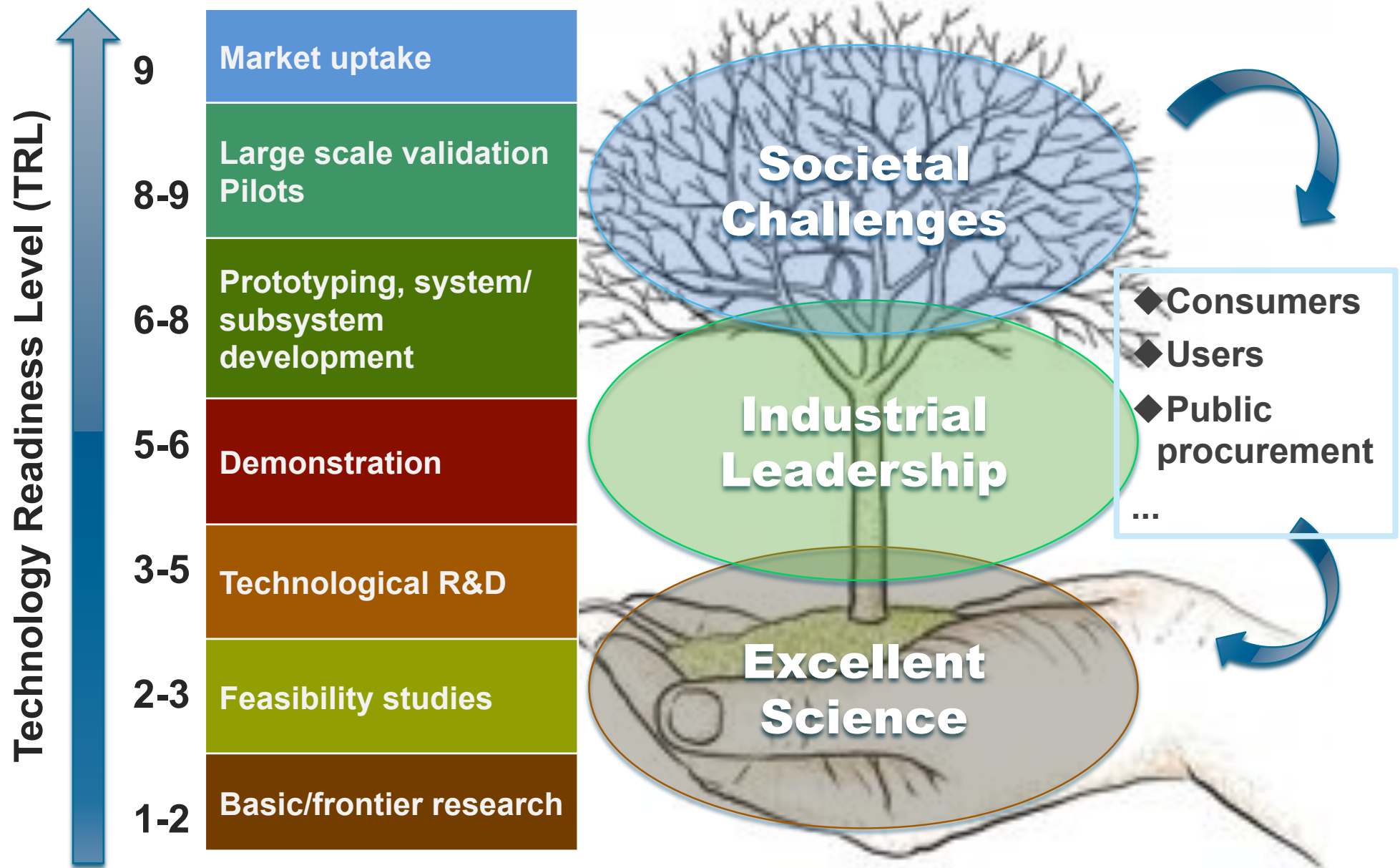
R&D spending by regions (2013)



Source R&D Magazine

1. Only $\frac{1}{4}$ in the EU
2. Themes are more of global nature
3. Open Innovation
4. Gaining competitiveness through proactive international cooperation

Horizon 2020



Who can participate in Horizon 2020?

MS (28):
EU member states

AC (11-12):
FP7 associated countries
(Switzerland,)Norway, Israel,
Turkey, etc.

ICPC:
International Cooperation
Partner Countries

Other third countries
Japan, USA, Australia, ...

**BRIC+Mexico are now
included in this category
in Horizon 2020**

Eligible for funding

EU-Japan coordinated calls (FP7/Horizon 2020)

FP7/JST on Superconductivity (2010)
3 collaborative projects

FP7/NEDO on Photovoltaics (2010)
1 collaborative project

FP7/METI on Aeronautics (2011)
4 collaborative projects

FP7/JST on Materials (2012) on Substitution of critical metals
3 collaborative projects

FP7·METI on Civil High Speed Aircraft (2012)
Coordination with Japan, Australia and Russia

FP7·HORIZON2020/MIC·NICT on ICT (2012, 2014)
6 collaborative projects + ?

CONCERT-Japan joint calls (2012, 2014)
**Energy management / disaster mitigation, risk management /
photonics manufacturing**
9 projects + ?

CONCERT-Japan

Photonic Manufacturing Joint Call



- **The CONCERT-Japan is an ERA-Net project which aims at enhancing the cooperation of European countries with Japan**, in various areas of S&T.
- The aim of CONCERT-Japan Joint Calls is to start new or strengthen existing, **sustainable and multilateral research collaborations between European and Japanese researchers.**
- **Research projects with an innovative dimension** will be funded for a period of **2 years** in the field of **Photonic Manufacturing.**
- Each project consortium applying for this call should consist of at least **3 partners, 1 from Japan and 2 from two different European countries participating in the Call.**

- **Participating Agencies & Call budget***

Country/Funding institution	Amount in €
Japan: Japan Science and Technology Agency (JST)	300,000 €
Hungary: Hungarian Scientific Research Fund (OTKA)	100,000 €
Italy/Region of Lombardy	300,000 €
Slovakia: Slovak Academy of Sciences (SAS)	160,000 €
Switzerland: Swiss National Science Foundation (SNSF)	200,000 €
Turkey: Scientific and Technological Research Council of Turkey (TÜBİTAK)	500,000 €
Overall call budget	1,560,000 €

**Juste retour principle: national and regional financial contributions to a virtual common pot will be assigned to project partners of that respective country and region only.*

- **Eligible beneficiaries:** may be public & private legal RTD entities, higher education institutions, SMEs and large companies. The Joint Call funding institutions will individually decide on the eligible beneficiaries according to their own regulations.
- Research teams from countries that do not participate in the CONCERT-Japan Joint Call **may participate as additional partners.**

- **Submission process:**
 - ✓ **Call text and Guidelines for applicants** are available on [CONCERT-Japan Website](#)
 - ✓ **Online submission tool:** [PT-Outline](#)
 - ✓ **Deadline for submission of proposals:** **Wednesday, 30 April 2014**
(deadline of 1 pm GMT and 10 pm Japanese time)
- [Web Partnering tool](#) available for searching for potential partners

For more information



<http://www.concertjapan.eu/node/235>



Joint Call Secretariat:
lucie.durocher@cns-dir.fr

The JEUIPSTE project

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Period	36 months (2013.9.1 – 2016.8.31)
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Vision statement

Europe and Japan are facing **similar societal challenges** while **sharing common values**. **EU-Japan cooperation in Innovation, Science and Technology** will be **beneficial for both societies** and can be enhanced through an appropriate series of analytical, promotional and supporting actions.

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WP6.4 Communication with multipliers incl. media

WP6.5 Dissemination incl. newsletter

The JEUIPSTE consortium

Coordinator	IIST	Institute for International Studies and Training (JP)
Funding	DLR	Deutsches Zentrum für Luft- und Raumfahrt (DE)
	TUBITAK	The Scientific and Technological Research Council of Turkey (TR)
	AGAUR	Agency for Management of Universities and Research Grants (ES)
Support	APRE	Agency for the Promotion of European Research (IT)
	RCISD	Regional Centre for Information and Scientific Development (HU)
	FORTH	PRAXI Network/ Foundation for Research and Technology (GR)
R&D	KU	Kobe University (JP)
	ZSI	Centre for Social Innovation (AT)
SME	INSME	International Network for SMEs (IT)

Supporters of the JEUIPSTE project

Through MoU:

- ◆ EU Institutes in Japan, Kansai & Kyushu
- ◆ The Engineering Academy of Japan
- ◆ RIKEN
- ◆ Japan Society for the Promotion of Science (JSPS)
- ◆ Research University 11 consortium (RU11)

Through letters of support:

- The Ministry of Economy, Trade and Industry (METI; JP)
- The Ministry of Human Resources (HU)
- The Ministry of Economy and Competitiveness (ES)
- NL Agency (NL)
- Le Centre National de la Recherche Scientifique (CNRS; FR)
- EUJO-LIMMS project (FP7 INCOLAB; GA 295089)