



# SANDA Kick-Off meeting

## Administrative and Financial Management



**Roger GARBIL**



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European Commission  
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**SANDA Kick-off meeting, Fondation Universitaire, Brussels (BE), 9-10 September 2019**



4-7 June 2019  
Pitești, Romania



# FISA 2019 • EURADWASTE '19

9<sup>th</sup> European Commission Conferences on EURATOM Research and Training in  
Safety of Reactor Systems • Radioactive Waste Management

<http://fisa-euradwaste2019.nuclear.ro/>



European  
Commission



# FISA 2019 / EURADWASTE '19 / ENEN PhD Event and Prize



**Over 400 scientists from 200 organisations and 40 European countries and world-wide...**

These conferences provided additional **opportunities to address and engage with all relevant stakeholders**, to further strengthen the EU's innovation potential, careers' attractiveness to the young generation, the research community, policy makers and civil society.

# SESSION THREE – Advanced nuclear systems and fuel cycles

Enrique GONZALEZ (CIEMAT, ES)

Nuclear data activities (FP7-CHANDA, FP7-ERINDA, FP7-EUFRAT)



**Big Thank You**  
**Enrique**  
**... Round of**  
**Applause please! ...**

**→ SANDA and ARIEL ←**



**Supplying Accurate Nuclear Data for energy and non-energy Applications**  
**Availability and use of nuclear data Research Infrastructures for Education and Training**



# EUROPEAN RESEARCH & INNOVATION DAYS

24, 25 and 26 September 2019

KANAL  CENTRE POMPIDOU

Brussels, BELGIUM

[Register now >](#)

## POLICY CONFERENCE



## INNOVATIVE EUROPE HUB



## SCIENCE is WONDERFUL!

### EXHIBITION



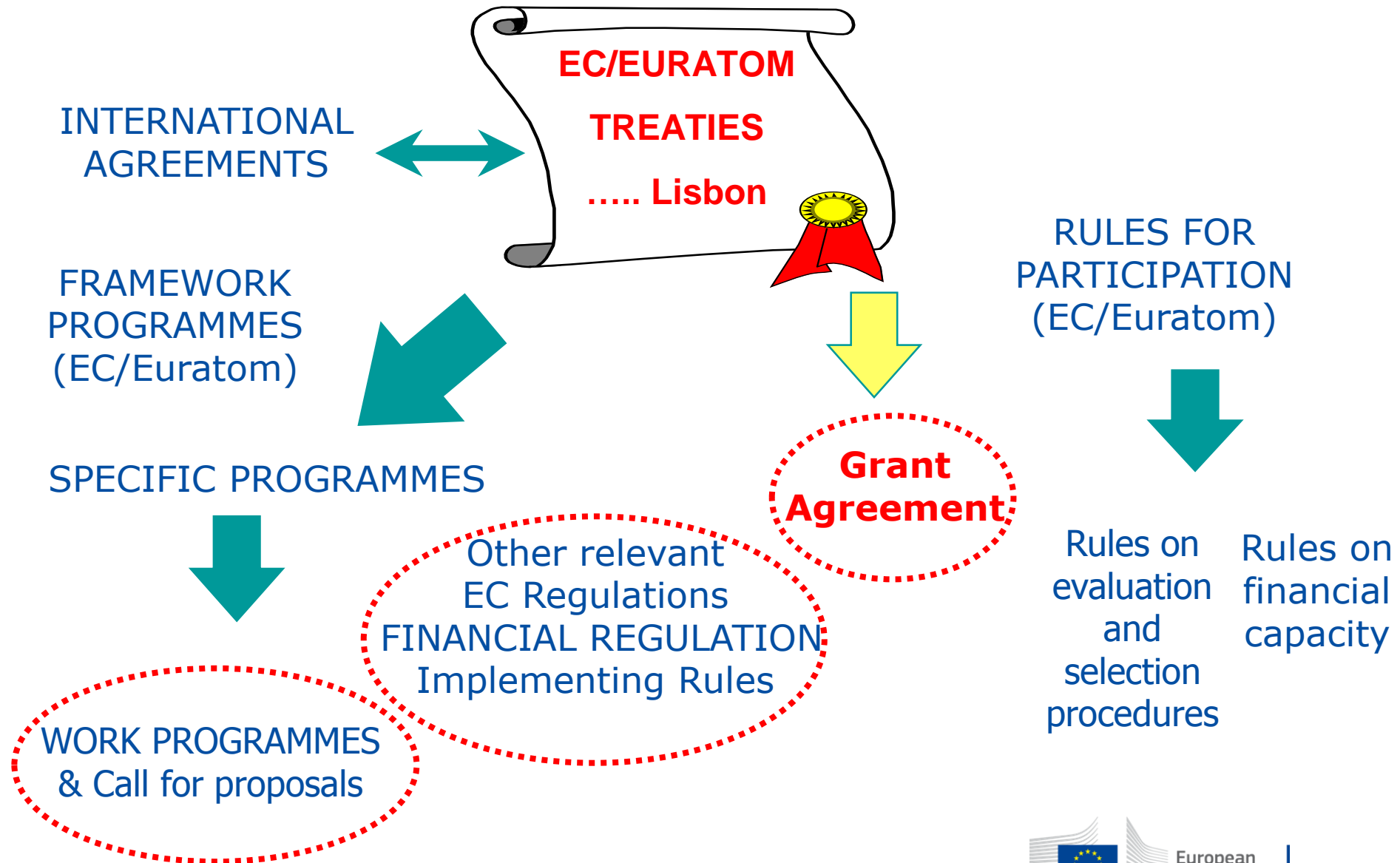
European  
Commission

# A few Administrative and Financial words

1. Grant Agreement
2. Payments, audits
3. Project Management
4. Reporting
5. H2020 Help and Online Manuals



# Legal Framework



# H2020 Grant Agreement

## Chapter 1: General

- Single article: subject of the agreement

## Chapter 2: Action

- Action, duration and budget

## Chapter 3: Grant

- Amount, reimbursement rates, eligible costs

## Chapter 4: Rights and obligations

- To implement the action: resources, in-kind contributions, subcontracts
- Grant administration: reporting, payments, audits
- Background and results: access rights, protection of results, exploitation, dissemination
- Others: gender equality, ethics, confidentiality

## Chapter 5: Division of roles

- Roles and responsibilities, internal arrangements

## Chapter 6: Rejection, reduction, penalties, termination, etc.

- Rejection, reduction, recovery and penalties
- Suspension and termination of the action

## Chapter 7: Final provisions

- Accession, entry into force, amendments, applicable law



# Grant Agreement Annexes

**Annex 1: Description of the action**

**Annex 2: Estimated budget**

**Annex 3: Accession Forms 3a and 3b (AA. for JRC)**

**Annex 4: Financial statements**

**Annex 5: Certificate on the financial statements**

**Annex 6: Certificate on the methodology**

# Consortium Agreement

- Purpose
  - **Mandatory**, complements the Grant Agreement Article 41.3 of the H2020 Model Grant Agreement
  - **Agreed between partners (EC not a party)**
  - In order to **define more precisely management aspects** of the project
    - Decision-making
    - IPR (intellectual property rights) management
    - Funding transfer mechanisms
    - Etc.
- Procedure
  - Drafted, circulated to all partners for comments by legal departments and **signed (within 6 months)**
  - **A copy to be sent to EC Coordinator for information**

[http://ec.europa.eu/research/participants/data/ref/h2020/other/gm/h2020-guide-cons-a\\_en.pdf](http://ec.europa.eu/research/participants/data/ref/h2020/other/gm/h2020-guide-cons-a_en.pdf)  
Development of a Simplified Consortium Agreement DESCA 2020  
Model Consortium Agreement available <http://www.desca-2020.eu/>

# Pre-financing ... and Payments

Most common durations	Period 1	Period 2	Period 3	Period 4	Pre-financing % of total EC contribution
12	12	-	-	-	<p><b>Pre-financing ± EC Contrib. / nb of periods</b></p> <p>And Interim Payment Limit = 90 % of the maximum grant (Retention 10%)</p>
18	18	-	-	-	
24	18	6	-	-	
30	18	12	-	-	
36	18	18	-	-	
42	18	18	6	-	
48	18	18	12	-	
54	18	18	18	-	
60	18	18	18	6	

**Guarantee Fund = Amount of 5% of EC contribution**

*No financial collective responsibility Instead: establishment of a participant's Guarantee Fund to cover risks. However, there is "technical responsibility" to carry out the project jointly and severally vis-à-vis the Commission.*



# Controls and audits

## Financial viability

- ⇒ Most beneficiaries exempt from detailed analysis; only systematic check for **coordinators** when requested **EU funding for the action is  $\geq$  EUR 500 000**

## Certificates

- ⇒ **Certificate on the financial statements (CFS):** **Only for final payments** when total EU contribution claimed by the beneficiary on the basis of actual costs + unit costs for average personnel  **$\geq$  EUR 325.000**
- ⇒ **Certificate on the methodology (COM):** Optional for average personnel costs (now under unit costs)

## Ex-post audits

- ⇒ Audits of the Commission **limited to two years** after the payment of the balance

# Sanctions

- **Recovery** procedures  
(chapter 6 of the Grant Agreement)
- Liquidated **damages**
- Financial **penalties**
  - if CFS/COM **false declarations** and/or **repetitive errors**
  - Between **2% and 10% of the EC contribution**



# Coordinator's Project management

- **Project & consortium management**
  - **Quality management**: Project Quality Plan, knowledge management
  - **Monitoring of planning, deliverables and milestones, achievement of objectives**
  - Project Risk Management when required
  - Meetings secretariat (agenda, minutes, GB, ExCom, WPs etc..)
- **Legal, administrative, financial management**
  - Management of Grant and Consortium Agreements
  - **Coordination of periodic reporting to the EC**
  - **Financial and budget monitoring**
  - Advice on contractual, administrative, financial matters
- **Project communication**
  - Drafting and monitoring of public Communication Action Plan
  - Creation of graphical chart & public communication toolkit: public and private website, printed material (project presentation, brochures, journal...), films, exhibitions stands, etc.
  - Creation & maintenance of secure web platform for consortium communication
  - Monitoring of relevant international events and participation in selected events



# Publications, EU funding to be acknowledged

All publications and publicity at conferences, workshops, seminars, any type of information or promotional material including infrastructures equipment's, must include the statement below (see article 29.4 Information on EU funding of the Grant Agreement):



This project has received funding from the [European Union's Horizon 2020 research and innovation programme][European Research Council (ERC) under the European Union's Horizon 2020 research and innovation programme][Euratom research and training programme 2014-2018] under grant agreement No [number]



This [infrastructure][equipment][insert type of result] is part of a project that has received funding from the [European Union's Horizon 2020 research and innovation programme][European Research Council (ERC) under the European Union's Horizon 2020 research and innovation programme][Euratom research and training programme 2014-2018] under grant agreement No [number]

[http://ec.europa.eu/research/participants/docs/h2020-funding-guide/grants/grant-management/acknowledge-funding\\_en.htm](http://ec.europa.eu/research/participants/docs/h2020-funding-guide/grants/grant-management/acknowledge-funding_en.htm)

# Open Access

Applicable to **peer reviewed scientific publications**

*Open Access = providing online access at no charge to the user to peer-reviewed scientific publications*



*Open access to publications is an obligation in H2020*

- Self-archiving: deposit of manuscripts & immediate/delayed OA provided by author ("Green OA"), often after embargo period set by the (non-OA) publisher
- OA publishing: costs covered & immediate OA provided by publisher ("Gold OA") – costs are eligible

Mailing to all Horizon 2020 participants: [http://ec.europa.eu/research/participants/data/ref/h2020/other/comm/170406\\_open-access\\_en.pdf](http://ec.europa.eu/research/participants/data/ref/h2020/other/comm/170406_open-access_en.pdf)  
and infographic [http://ec.europa.eu/research/participants/data/ref/h2020/other/hi/oa-pilot/h2020-infograph-oa-sci-publ\\_en.pdf](http://ec.europa.eu/research/participants/data/ref/h2020/other/hi/oa-pilot/h2020-infograph-oa-sci-publ_en.pdf)  
and reference to the Grant Agreement [http://ec.europa.eu/research/participants/docs/h2020-funding-guide/cross-cutting-issues/open-access-data-management/open-access\\_en.htm](http://ec.europa.eu/research/participants/docs/h2020-funding-guide/cross-cutting-issues/open-access-data-management/open-access_en.htm)

OpenAIRE <https://www.openaire.eu/>

# CORDIS Community Research and Development Information Service



**\* Automatic updates between EC Research Participant Portal and CORDIS \***

CORDIS Community Research and Development Information Service  
<http://cordis.europa.eu/>



# Pro-active Communication highly encouraged!



Projects **encouraged to communicate with citizens<sup>1</sup>** **#Horizon2020:**

Support, information & "*EU guide to communication*" : EC webpage<sup>2</sup>

Projects invited to follow the official Twitter account for the Horizon 2020 programme **@EU\_H2020**

To use the hashtag **#ResearchImpactEU**. when announcing 'breaking news' showing the real impact of your EU funded research

1) Mailing to all Horizon 2020 participants: [http://ec.europa.eu/research/participants/data/ref/h2020/other/comm/170215\\_letter-rjs\\_communication-acknowledgement\\_en.pdf](http://ec.europa.eu/research/participants/data/ref/h2020/other/comm/170215_letter-rjs_communication-acknowledgement_en.pdf)

2) [http://ec.europa.eu/research/participants/docs/h2020-funding-guide/grants/grant-management/communication\\_en.htm](http://ec.europa.eu/research/participants/docs/h2020-funding-guide/grants/grant-management/communication_en.htm)

# Pro-active Communication highly encouraged!



# Reporting 1/3 Research Participant Portal



[https://ec.europa.eu/info/funding-tenders\\_en](https://ec.europa.eu/info/funding-tenders_en)  
<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/home>



# Reporting 2/3 Access reporting functions

Home My Organisations **My Projects** My Roles My Notifications FP7 Documentation

**PROJECT LIST FOR BERNARD MAHIEU**

If you are a LEAR of your organisation, please visit the tab My Organisations and follow the link "View projects" to have access to the project list of your organisation. A LEAR can only view projects their organisation is linked with. Granting access to projects is done separately.

Please visit the [user manual](#) for roles nominations details

Show 10 entries Search:

Acronym	Call	Prog.	Project ID	Roles	Phase			
<a href="#">BalticGrid-II</a>	FP7-INFRASTRUCTURES-2007-2	FP7	223807		Active	PR		
<a href="#">CATHERINE</a>	FP7-ICT-2007-1	FP7	216215		Active	PR	AA	
<a href="#">4F CROPS</a>	FP7-KBBE-2007-1	FP7	212811		Active	RD	FR	AA
<a href="#">INSTRUCT</a>	FP7-INFRASTRUCTURES-2007-1	FP7	211252		Active	RD	FR	
<a href="#">HPC-EUROPA++</a>	FP7-INFRASTRUCTURES-2007-1	FP7	211437		Active	RD	FR	

Showing 1 to 5 entries

Previous 1 Next Last

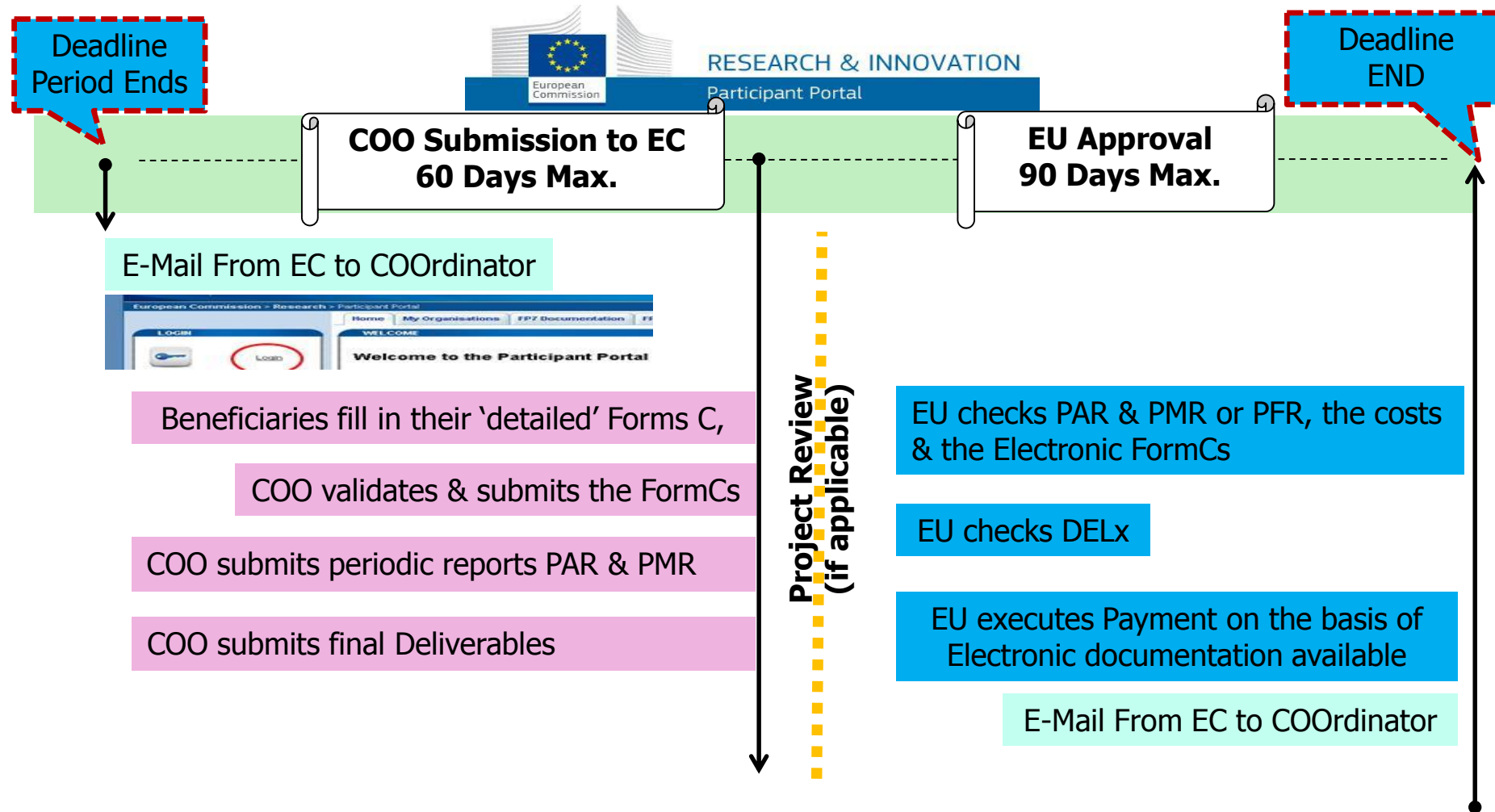
**1. Go to the Portal**  
**2. Sign in with your ECAS password**  
**3. Go to 'My projects' tab**  
**4. See list of Active projects**  
**5. Select your reporting link (PR, RD...)**

**AA = Access Amendment**  
**FR = Financial Reporting**  
**PR = Periodic Reporting**  
**RD = Reports-Deliverables**

**View project details**

**View roles in the project**

# Reporting 3/3 Electronic-only Submission/Signature



**COO:** Coordinator, **PAR:** Project Activity Report, **PMR:** Project Management Report, **PFR:** Project Final Report, **DELx:** Due Deliverables

# Any HELP... H2020 online manual ... Contacts



*Please check  
and contact  
if needed:*



## *H2020 Online Manual*

*[http://ec.europa.eu/research/participants/docs/h2020-funding-guide/index\\_en.htm](http://ec.europa.eu/research/participants/docs/h2020-funding-guide/index_en.htm)*

- by E-mail EC EGRANTS SERVICE HELPDESK  
[EC-EGRANTS-SERVICE-DESK@ec.europa.eu](mailto:EC-EGRANTS-SERVICE-DESK@ec.europa.eu)*
- by phone +32 229-82020*
- both in parallel to achieve any quick result !*

# Content

1. EU Multi-Financial Framework Programme (MFF) 2021-27,  
Horizon Europe and Euratom Research and Training (2021-25)

2. Overview Status and Vision

3. Future Perspectives

ToGether®  
SINCE 1957





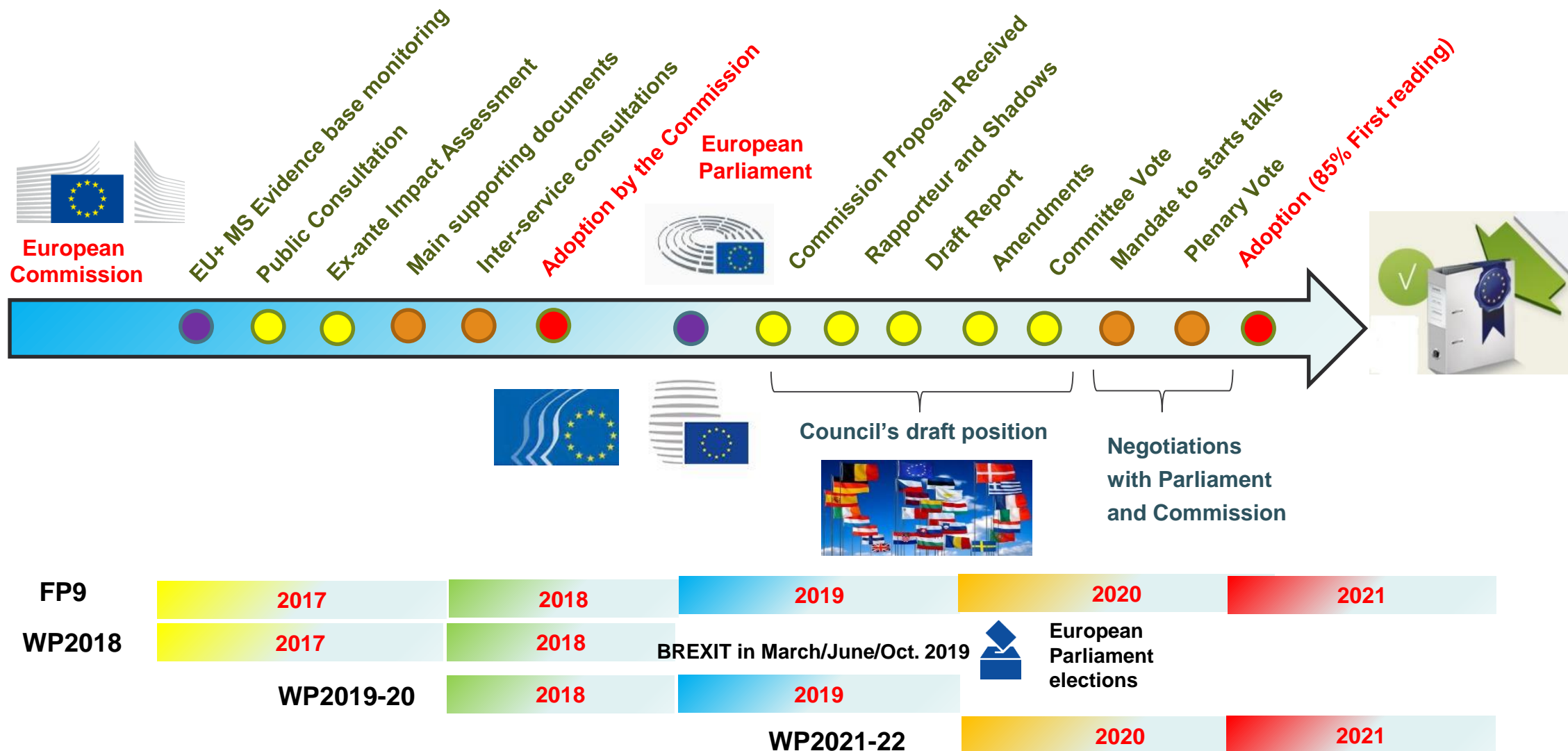
# How to say Yes in Europe!



# United in diversity!



# EU Decision Making Process (timeline)



# Multi-Financial Framework Budget Proposal (MFF 2021-27)



**Simplification,  
transparency  
and  
flexibility**

[https://ec.europa.eu/commission/publications/factsheets-long-term-budget-proposals\\_en](https://ec.europa.eu/commission/publications/factsheets-long-term-budget-proposals_en)

## ALIGNED TO POLITICAL PRIORITIES

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



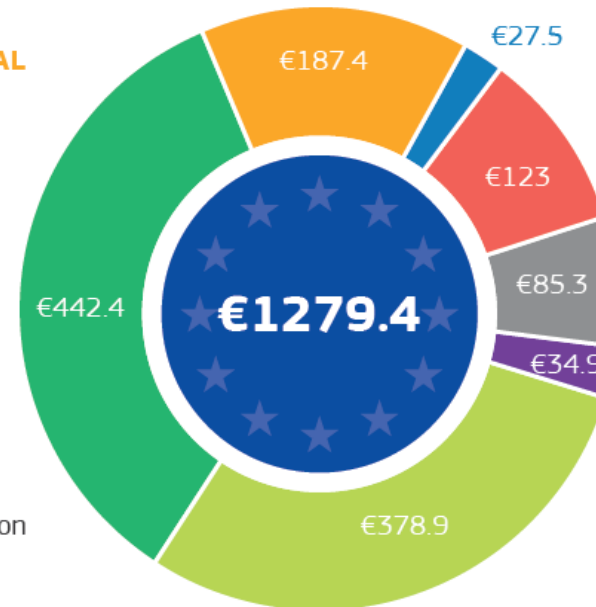
### **VI. NEIGHBOURHOOD AND THE WORLD** €123

- 15 External Action
- 16 Pre-Accession Assistance



### **VII. EUROPEAN PUBLIC ADMINISTRATION** €85.3

- 17 European Public Administration





# FP9 (2021-27) Horizon Europe Budget: €100 billion\*

## Euratom Research and Training (5 years)

### Indirect RTD

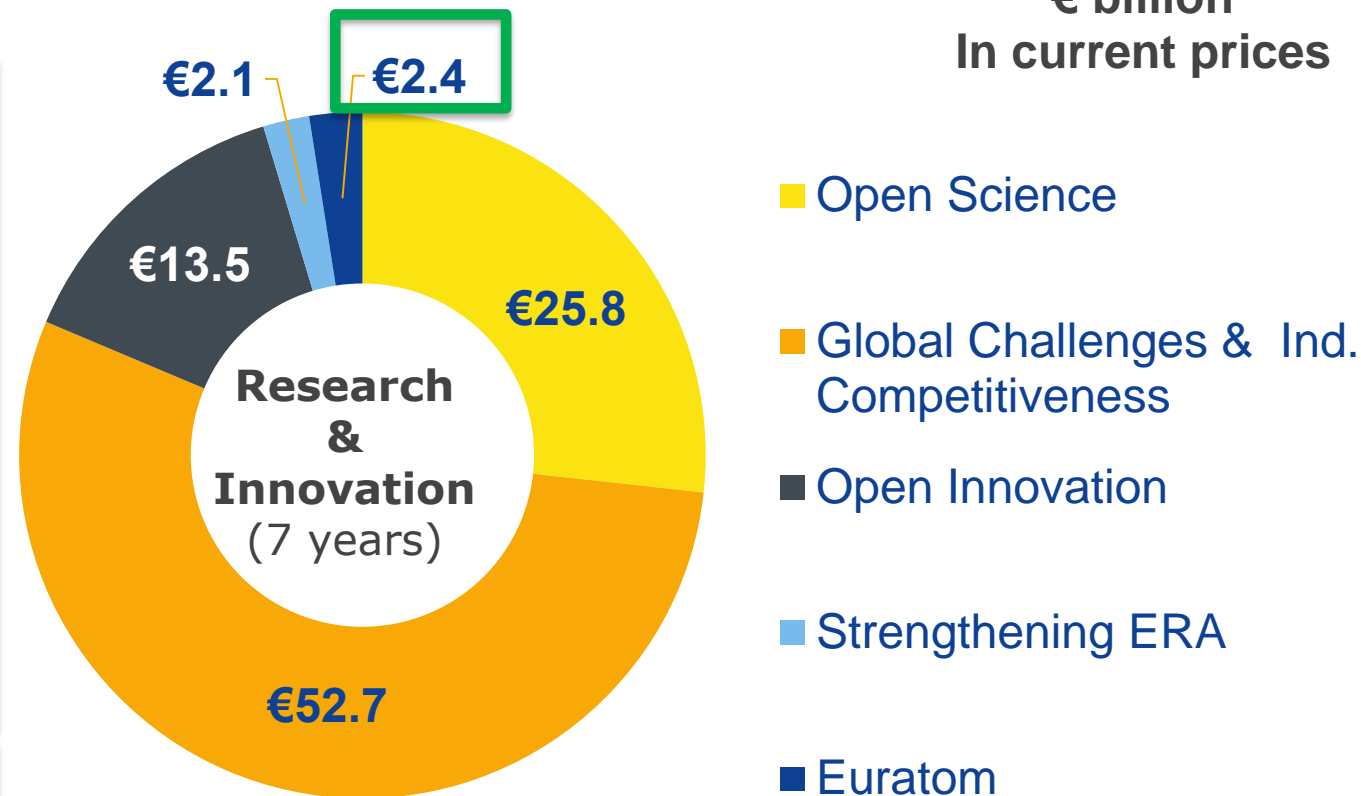
• Fusion R&D	<b>EUR 724 million</b>
• Fission R&D Safety and radiation protection	<b>EUR 330 million</b>

### Direct JRC

• Fission Safety and safeguards	<b>EUR 620 million</b>
---------------------------------	------------------------

## ITER 7 (years, a dedicated EC Decision)

**EUR 6.1 billion**



\* This envelope includes EUR 3.5 billion allocated under the InvestEU Fund.

**Research and Innovation (including Horizon Europe, ITER and Euratom) - legal texts and factsheets**

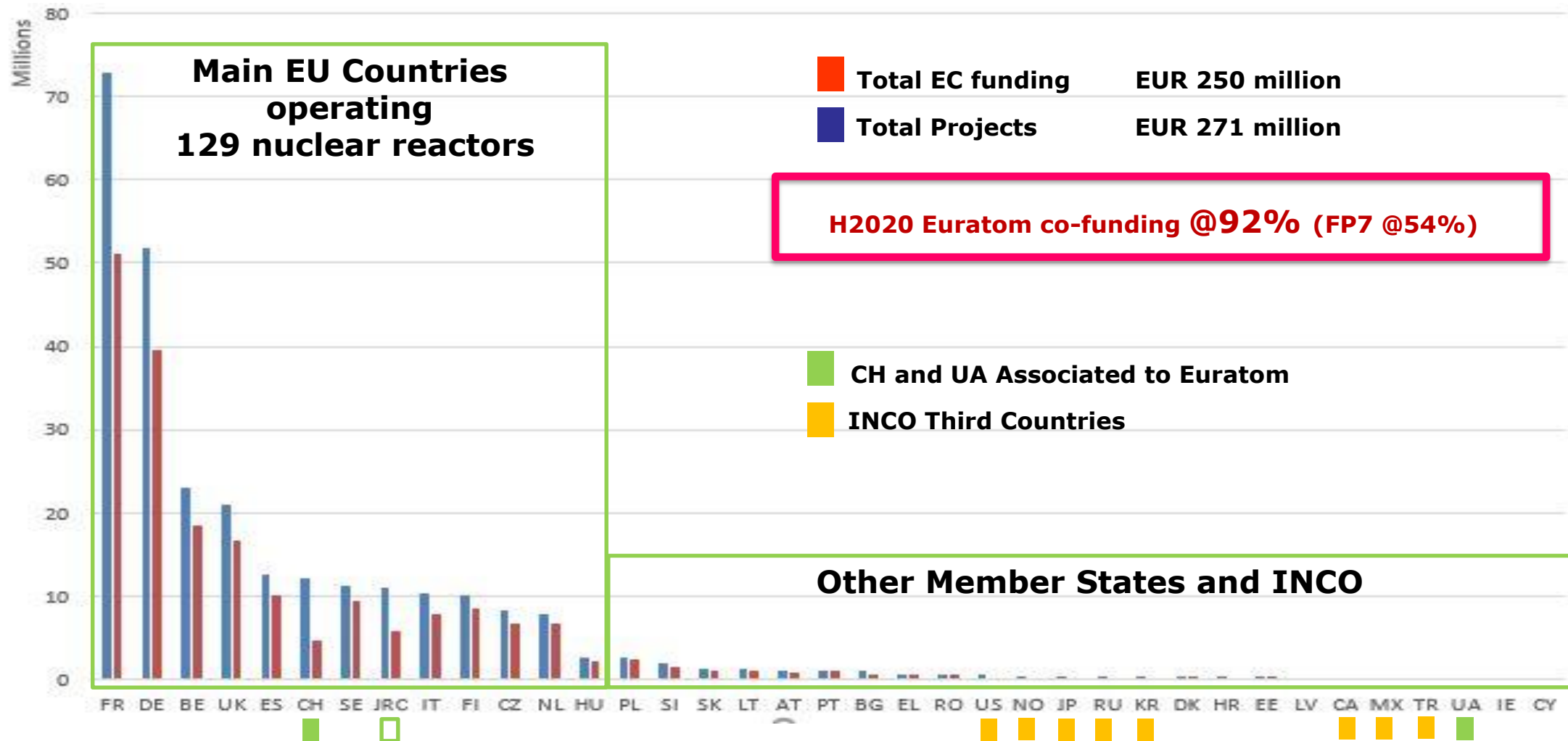
[https://ec.europa.eu/commission/publications/research-and-innovation-including-horizon-europe-iter-and-euratom-legal-texts-and-factsheets\\_en](https://ec.europa.eu/commission/publications/research-and-innovation-including-horizon-europe-iter-and-euratom-legal-texts-and-factsheets_en)



# Research Framework Programmes Budgets

Research Framework Programme	Total EU funding (EUR billion)	Total EURATOM funding (EUR billion)	EURATOM funding (EUR million) for fission (indirect actions) fusion (indirect actions) JRC (direct actions)	ITER funding for its construction (EUR billion)
FP4 (1994-1998)	<b>11.88</b>	<b>1.23</b>	<b>170 – 794 - 271</b>	-
FP5 (1998–2002)	<b>13.70</b>	<b>1.26</b>	<b>191 – 788 - 281</b>	-
FP6 (2002–2006)	<b>17.88</b>	<b>1.35</b>	<b>209 – 824 - 319</b>	-
FP7 (2007–2013)	<b>50.52</b>	<b>2007-11 = 1.45</b>	<b>287 - 654* - 514</b>	<b>(2007-2020 = 6.6 cap) 2007-11 = 1.3</b>
		<b>2012-13 = 0.55</b>	<b>118 - 197* - 233</b>	<b>2007-11 = 1.3 2012-13 = 1.3 (+)</b>
FP8 Horizon 2020 (2014-2020)	<b>86</b>	<b>2014-18 = 1.79</b>	<b>355 - 710* - 724</b>	<b>2014-20 = 2.7</b>
		<b>2019-20 = 0.771</b>	<b>152 – 350* - 269</b>	
FP9 Horizon Europe (2021-2027) (Commission proposal)	<b>100</b>	<b>2021-25 = 1.674 (2021-27 = 2.4)</b>	<b>330 - 724* - 620</b>  * Excludes ITER construction	<b>2021-27 = 6.1</b>

# H2020 EURATOM Fission RTD Calls 2014-2017



**A total of 47 projects co-funded within two 2-years' calls in addition to JHR (EUR 15 million) and InnovFin (EUR 20 million)**

# EU/EURATOM Fission RTD Work Programmes

25%

## Geological disposal

- Decommissioning

40%

## Reactor systems

- Safety of existing nuclear installation (Gen II-III)
- Advanced nuclear systems for increased safety (Gen-IV)
- Partitioning, Transmutation and closed fuel cycle
- Cross-cutting aspects (e.g. fuels, materials, simulation, nuclear data)
- Other applications (e.g. cogeneration, support to Research Reactors)

25

3

5

5

2

20%

## Radiation protection

- Non-power applications

7

15%

## Research infrastructures

## Training and mobility

## Cross-cutting INCO

6

5

4

## Grand Total:

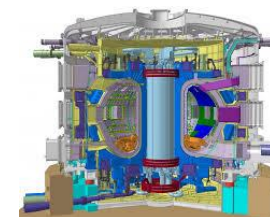
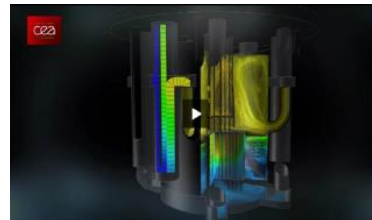
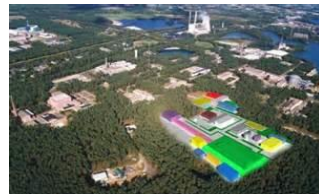
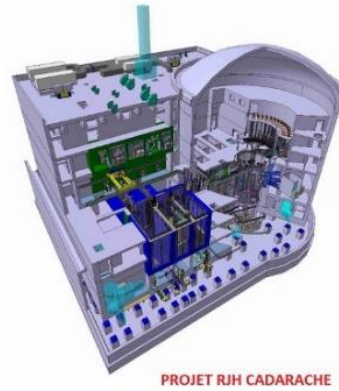
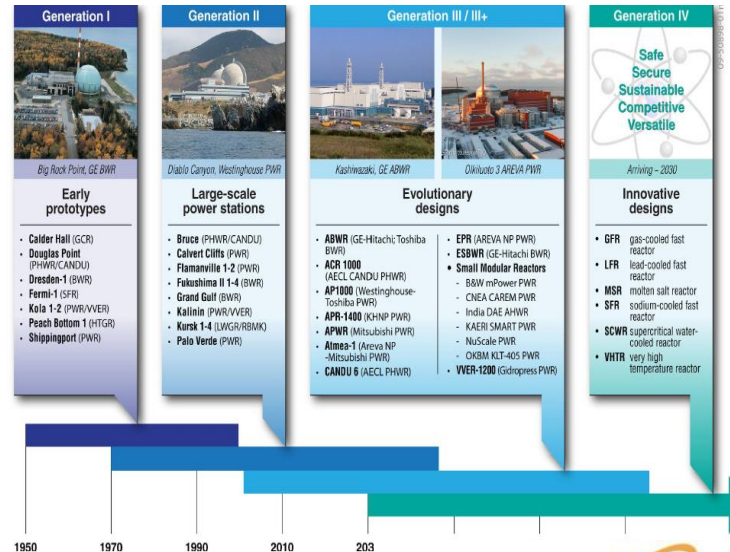
**Euratom Fission RTD ~ 50 Mi€ / Year**

**Euratom Fission JRC ~ 50 Mi€ / Year**

**Total ~ 10 % EU Public&Private Fission R&D**

# EU/EURATOM Research and Training

**ToGETheR®**  
SINCE 1957





# EU/Euratom Fission challenges

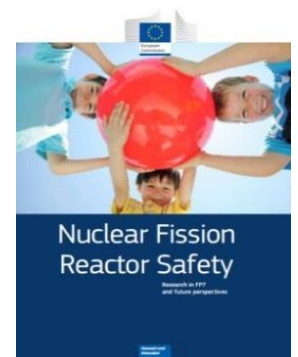
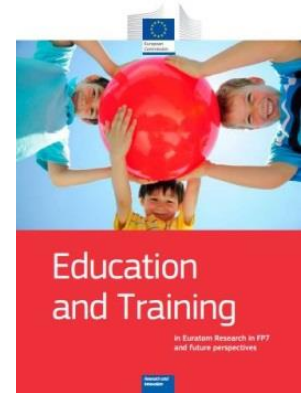
Nuclear Energy Development, including Research Activities (art.4-11)

Health and Safety (art.30-39)

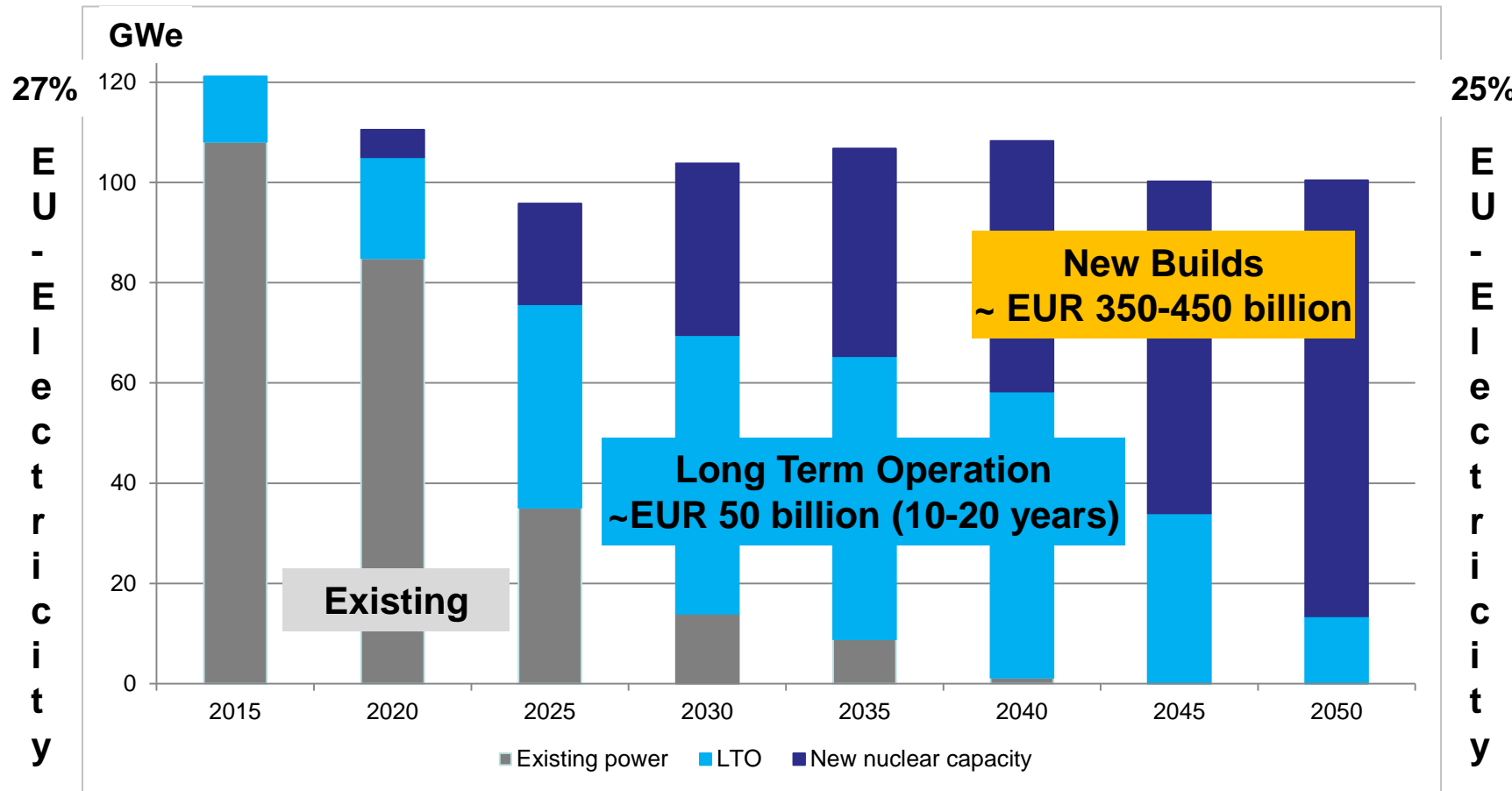
Safeguards (Guarantees for Peaceful Uses) (art.77-85)

External Relations (art.101-106)

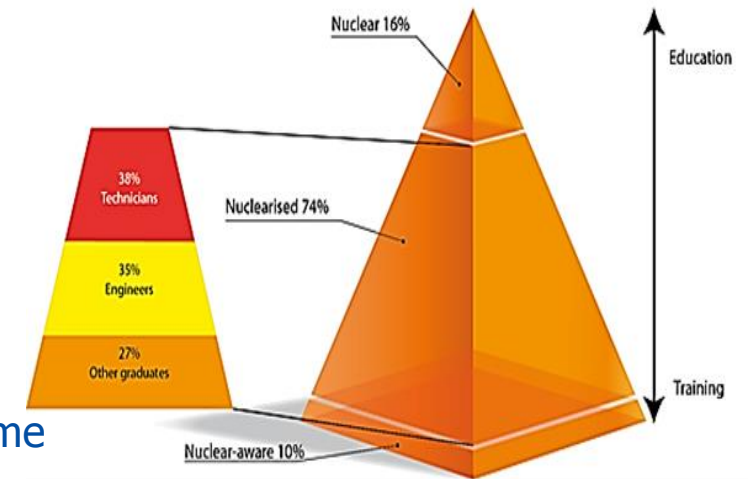
- **Safe and harmonised** management of radioactive waste
- **Enhanced safety** of design and operation of existing and future reactors
- **Lift uncertainty about health risks after low radiation dose** due to industrial and medical applications
- **Ensure transfer of knowledge** to future generation in the field
- **Integration of European research** programming and implementation
- **Challenges need to be addressed worldwide**



# EU Nuclear Electricity Generation (PINC 2017) and 2050 strategy



Other important aspects with respect to HR requirements for nuclear experts at a European scale are the experts employed by the regulatory bodies, their technical support organizations, and in nuclear research, education, and training.



## PINC - EU Nuclear Illustrative Programme

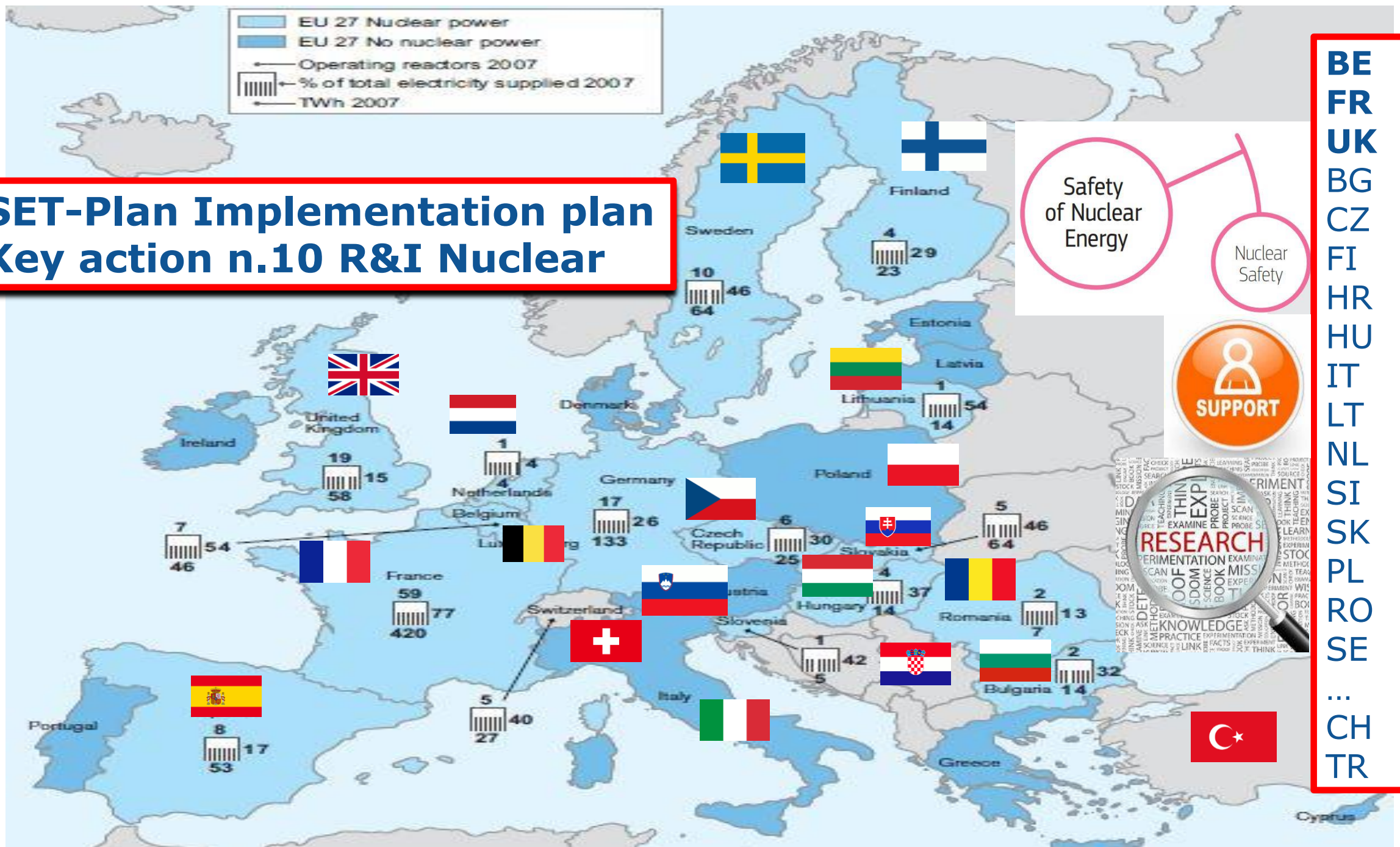
<https://ec.europa.eu/energy/en/news/commission-presents-nuclear-illustrative-programme>

## 2050 Long-term strategy

<https://ec.europa.eu/energy/en/topics/energy-strategy-and-energy-union/2050-long-term-strategy>

# SET-Plan Implementation plan

## Key action n.10 R&I Nuclear



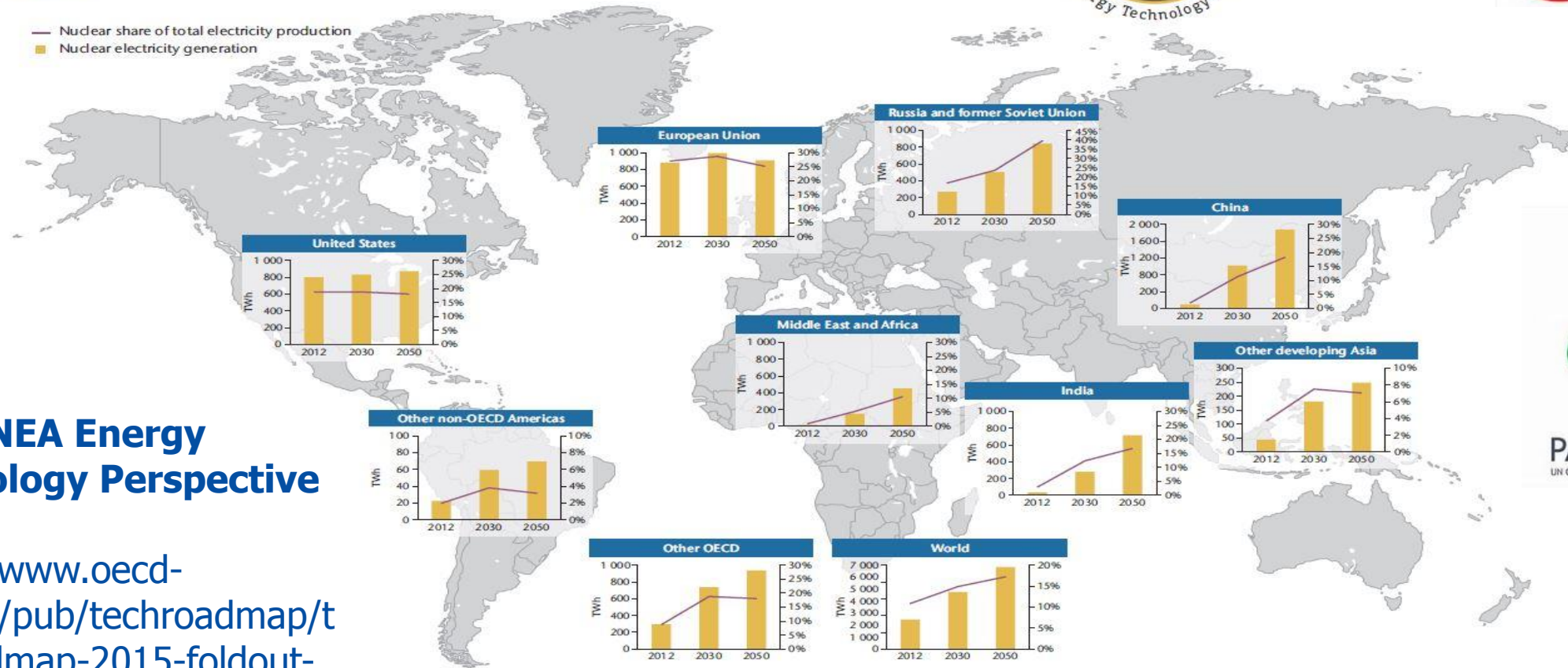
BE  
FR  
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FI  
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HU  
IT  
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NL  
SI  
SK  
PL  
RO  
SE  
...  
CH  
TR



# Global Perspectives

Electricity generation (TWh) and share of electricity generation (%) in 2012, 2030 and 2050 in 2DS

— Nuclear share of total electricity production  
■ Nuclear electricity generation



**IEA – NEA Energy Technology Perspective 2015**

<https://www.oecd-nea.org/pub/techroadmap/techroadmap-2015-foldout-a3.pdf>

This map is without prejudice to the status of or sovereignty over any territory, to the delimitation of international frontiers and boundaries, and to the name of any territory, city or area.



# Let's Capitalise ... All initiatives FP7, ETPs, ERA, INCO, H2020

- Under Euratom, EC should promote and facilitate EU Nuclear safety R&D in MS, collab. IAEA, OECD/NEA, GIF
- ETPs are industry led to promote R&D and demonstration of EU fission technologies
- EU fora supporting nuclear policy, promoting stakeholders dialogue and safety improvements
- ENEF from 2007 and WG Transparency, risks and opportunities
- ENSREG from 2007, stress tests peer reviews
- SNETP composed of NUGENIA, ESNII and NC2I pillars
- SET-Plan Key action n.10 on nuclear fission and fusion
- IGDTP on geological disposal, EURAD
- MELODI with NERIS-TP, EURADOS and Alliance, CONCERT
- ENEN European Nuclear Education Network
- INCO structured dialogue on R&D policy and priorities



# Thank You!

