



# Horizon 2020

*The EU Framework  
Programme for  
Research and Innovation*

*2014-2020*

**Christophe Davies**

DG RTD (Research and Innovation)  
Unit K4 – Nuclear Fission

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HORIZON 2020

A large graphic for the Horizon 2020 program. The word "HORIZON 2020" is written in large, white, sans-serif capital letters. The letter "O" in "HORIZON" is replaced by a transparent globe of the Earth. The text is set against a background of a blue sky with a bright sunburst effect emanating from behind the globe. Below the globe, a dark, reflective surface shows a faint reflection of the globe and the sunburst.



- **FP7 Status**
- **New Euratom FP 2014-2018 in Horizon 2020**
- **Towards European Joint Programmes in Horizon 2020**
- **EURADWASTE '13 conference**



## Two new projects in 2012:

### **DOPAS (technical project on plugs and seals)**

**Duration:** 48 months from 01 September 2012

**Participants:** Coordinator POSIVA + 13 beneficiaries

**Budget:** total cost € 15.744 million, EU funding € 8.7 million

### **SecIGD2 (IGD-TP secretariat)**

**Duration:** 36 months from 01 January 2013

**Participants:** Coordinator ANDRA + 3 beneficiaries

**Budget:** total cost € 1.424 million, EU funding € 0.79 million



## Call deadline 13 November 2012: Proposals received

**Topic** - *Preparatory phase (PP) for the support of joint programmes:*

**Geological Disposal – no proposal**

Reactor systems – 1 in GEN II & III and 1 in GEN IV

Radiation Protection – 1 proposal

**Complementary integrative proposals**

Materials – 1 (joint res. actions between nat. programmes)

Cogeneration - 1 (European Res. Initiative on co-generation)

**Topic** - *(Support to IGD-TP SRA priorities and basic research*

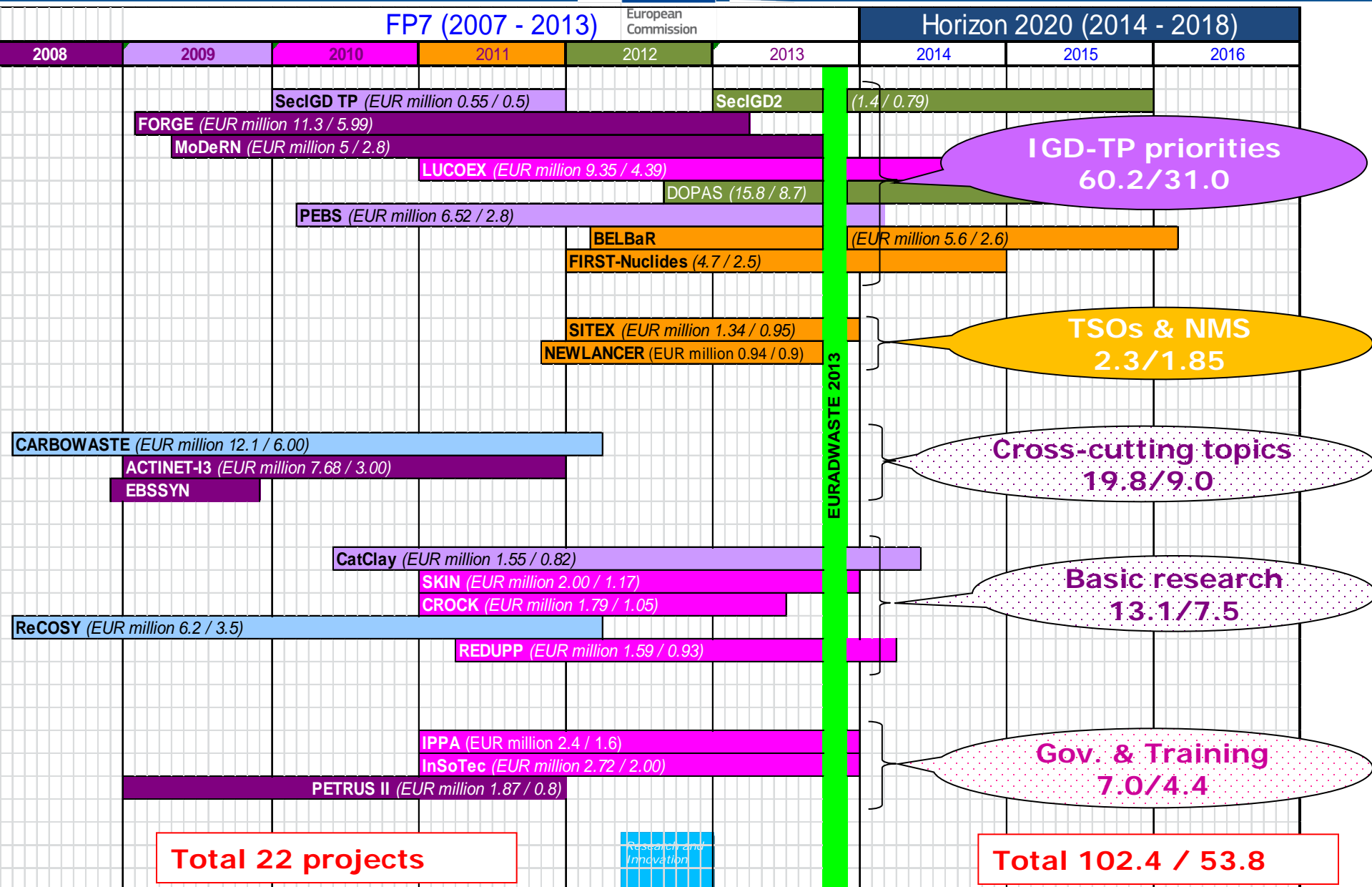
**1 proposal – CAST (Carbon- 14 Source Term)**

**Evaluation in January 2013, contract mid-2013**

# FP 7 status in 2012



Total costs / EU funding  
m EUR





## European Commission proposal to Council of European Union Member States in December 2011

### Horizon 2020 / FP7

**Budget:**     **Fission** (indirect actions)  
                  **Fusion**  
                  **JRC** (EC direct prog.)

€ 355 million / 287  
€ 710 million / 1947  
€ 724 million / 517

### *General objective:*

- Nuclear safety, security & radiation protection
- Long-term decarbonisation of the energy system (safe, efficient & secure way)

### *Objectives (indirect actions fission):*

- **safe operation** of nuclear systems;
- **management of ultimate waste**;
- development and sustainability of **nuclear competences**;
- **radiation protection**;
- **innovation and industrial competitiveness**;
- availability and use of **research infrastructures**.



- Ongoing:** Euro Parliament and Council discussions of EC proposals
- Ongoing:** Need EP / Council agreement on EU budget 2014-2020
- Ongoing:** FP7, final call evaluation
- Mid 2013:** **Drafting 1st Work Programme**  
if Horizon 2020 adopted by EP and Council
- Jan. 2014:** Launch of first calls



## Introduction of **programme co-funding**

as foreseen in the **Rules for participation**: COM(2011) 810 final, 30/11/2011

### Why

- ✓ Further increase coordination and integration of research via support to programmes rather than projects

### Objective in area management of ultimate waste (GD)

- ✓ Support IGD-TP priorities
- ✓ And the wider needs
  - Continued innovative basic research
  - Support less advanced national programmes
  - Needs of regulators / TSOs
  - Engagement of citizens and civil societies
  - Promote int.l cooperation, disseminate results
  - Stimulate training and mobility
  - Include support to socio-economic impact studies





## Means

- ✓ Allocate ca. 2/3 of budget available to research to programmatic activities and 1/3 to traditional projects and horizontal activities

## Who would be able to propose a programme

- ✓ Entities public or private that own or manage research programmes

## Who could participate in research activities

- ✓ All legal entities as in FP7



**Programme co-fund** : Rules for participations, definitions: “ *'programme co-fund action' means an action funded through a grant the main purpose of which is supplementing individual calls or programmes funded by entities, other than Union bodies, managing research and innovation programmes*”

**Types of actions** : *schemes being considered*

- ✓ **ERA-NET instrument** : Co-funding of individual calls,
- ✓ **Marie Curie COFUND** : Co-funding of training, mobility and career development programmes,
- ✓ **"European joint-programmes"** : Co-funding of research and innovation programmes, including(incl. calls)



Actions

EJP

ERA-NET

MC cofund

EC call

✓

✓

✓

Applicants for

Programme & or competitive project calls

Competitive project calls

Doctoral & fellowship programmes

EC funding

% of total expenditure

Cost of calls + % of R&D & admin costs

Scale of unit costs

(With ratio of national budget pooled)



- ✓ Subject to confirmed interest of Member States public and private owners or managers of research programmes
- ✓ As soon as EC instruments are ready
- ✓ And based on outcome of a PP



- ✓ Prepare to set-up legal entity(ies);
- ✓ Address strategic questions e.g. vision and objective of a joint programme,
- ✓ Agree on governance i.e. decision making procedures,
- ✓ Develop prog. content and prepare impl.tion road-map
- ✓ Who takes part,
- ✓ Who funds what,
- ✓ How the programme(s) are managed,
- ✓ What are the legal is issues involved,
- ✓ Which technical tools will used & developed

...

**EC considering ways and means to relaunch support to a PP before Horizon 2020**



Simultaneously with FISA '13, the sister conference on reactor systems and safety;  
A joint introduction & closure for synthetic view of issues, policies & research & implementation programmes in reactor systems/safety & high-level waste disposal in Europe;

## ***Euradwaste:***

- to present achievements of Euratom FP7: >20 projects***
- to cover EU Waste Directive / 2011***
- to present & discuss EC research policy for partnership & joint programming***



# Thank you for your attention!

**Find out more:**

[www.ec.europa.eu/research/horizon2020](http://www.ec.europa.eu/research/horizon2020)