European Union

European Commission

Opportunities in Technology Facilitation

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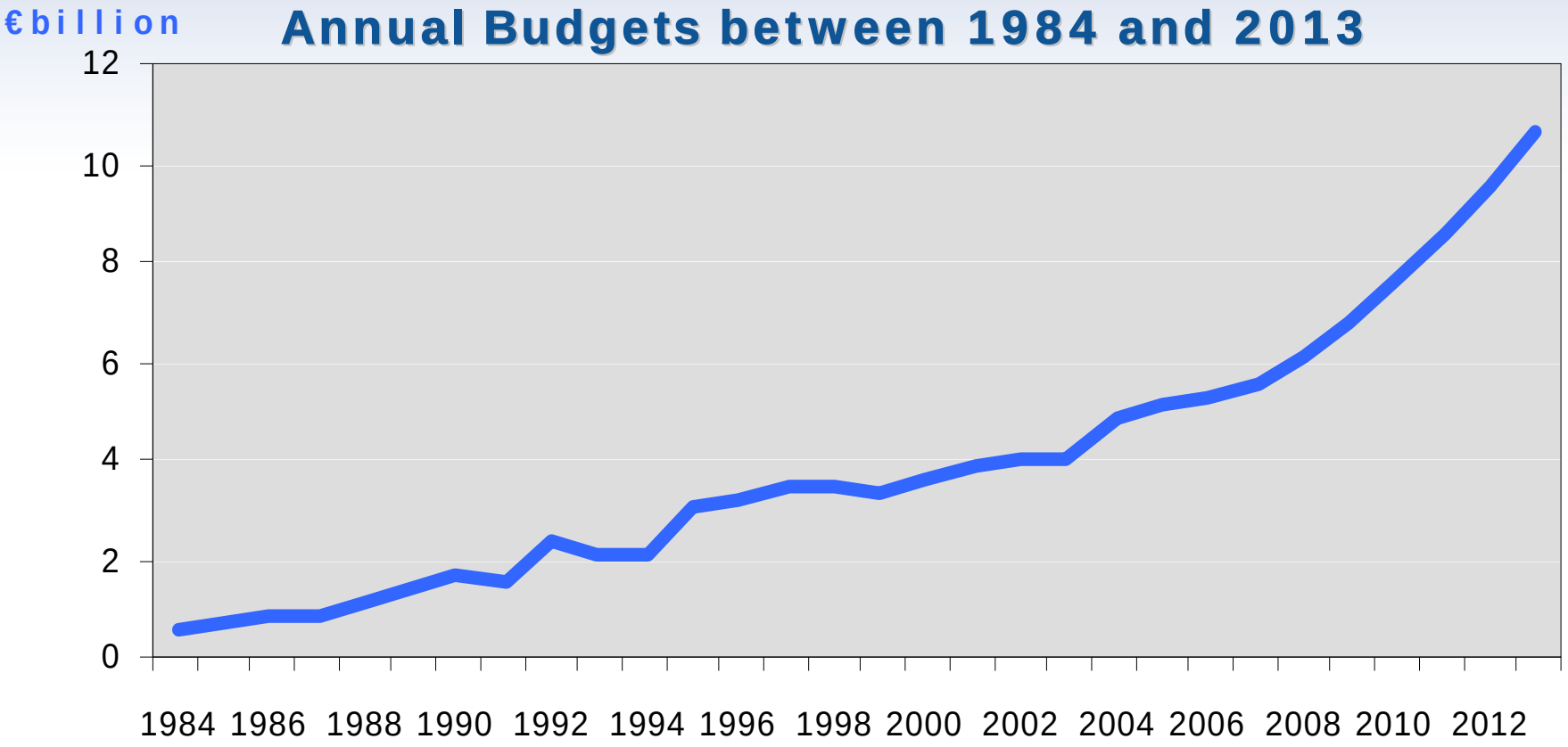
Overview

- EU-Level Funding Programs – Past, Present & Future
- Examples from the 7th Framework Program for Research
- New Policy Context, New Funding
- Horizon 2020 Framework Program for Research (2014-2020)

SEVENTH FRAMEWORK PROGRAMME

EU-level Programs – Past, Present & Future



NB: budgets in current prices. Source: Annual Report 2003, plus FP7 revised proposal

EU-Level Programs – Past, Present & Future

EU Research - Basic Principles

- Scientific excellence
- Support to EU policies
- Transnational cooperation - except European Research Council
- Public calls, peer review evaluation, competitive selection
- Cost-sharing (but funding for developing country participants)
- Participant ownership of the results (IPR)
- Openness to international participation

Examples from 7th Framework Program (2007-2013)

- EU contributions to the Group on Earth Observations (GEO) and its Global Earth Observation System of Systems (GEOSS)
  - GEONetCab (capacity dev in C. Europe & Africa)
  - SEOCA (GEO-technologies in Central Asia)
  - DevCoCast (dissemination of env info in LDCs)
  - MEDINA (coastal monitoring capacity in N. Africa)
  - AGRICAB (agriculture and forestry management in Africa)

New EU Policy Context

- New strategy since 2012 for international research and innovation cooperation.
  - Joint actions to address global challenges (green economy, climate action, improved agriculture, food security and health)
  - Relevance to the Millennium Development Goals, the post-2015 development framework, the Rio+20 follow-up and various relevant G20 actions.

New Funding

THE FRAMEWORK PROGRAMME FOR RESEARCH AND INNOVATION
HORIZON 2020

Horizon 2020: proposed €80 billion research and innovation funding program (2014-2020)

- Three priorities **- Excellent Science, Industrial Leadership, Societal Challenges**
- Couples research to innovation
- Simplified access, for companies, universities, institutes in all **EU countries and beyond**

Priority 1. Excellent Science (proposed budget)

(billion euro, 2014-2020)

European Research Council *Frontier research by the best individual teams*	**13.27**
Future and Emerging Technologies *Collaborative research to open new fields of innovation*	**3.10**
Marie Curie Actions *Opportunities for training and career development*	**5.57**
Research infrastructures (including e-infrastructure) *Ensuring access to world-class facilities*	**2.48**

Priority 2. Industrial Leadership (proposed budget)

(billion euro, 2014-2020)

Leadership in enabling and industrial technologies (*ICT, nanotechnologies, materials, biotechnology, manufacturing, space)*	13.78
Access to risk finance *Leveraging private finance and venture capital for research and innovation*	3.54
Innovation in SMEs *Fostering all forms of innovation in all types of SMEs*	0.62 complemented by 6.83 (expected 15% of societal challenges + LEIT) and 'Access to risk finance' with strong SME focus

Priority 3. Societal Challenges (proposed budget)

(billion euro, 2014-2020)

Health, demographic change and wellbeing	**8.03**
Food security, sustainable agriculture, marine and maritime research & the bioeconomy	**4.15**
Secure, clean and efficient energy*	**5.78**
Smart, green and integrated transport	**6.80**
Climate action, resource efficiency and raw materials	**3.16**
Inclusive, innovative and secure societies	**3.82**

Additional €1 788m for nuclear safety and security from the Euratom Treaty activities (2014-2018).

Horizon 2020 participation options for organizations and individuals in collaborative research

- **Participant (with signed grant agreement)**
  - EU funded (proposed as routine for LDCs)
  - Non EU funded
- **"Third party" – no grant agreement contract (less rights and responsibilities)**
  - Third party and work to be carried out need to be identified in the grant agreement
- **Access through (annual) Calls for Proposals**

Further Info

EU research:

http://ec.europa.eu/research/

http://ec.europa.eu/research/participants/portal/page/home

http://ec.europa.eu/research/horizon2020

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