The European Union and Brazil: Cooperation in Science and Technology

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Main framework for cooperation

- **January 2007**, The **bilateral Agreement for Scientific and Technological Cooperation** between the EC and Brazil entered into force on 1st January 2007 with 5 year duration. The parties have renewed the agreement for further 5 years (2012-2017) in August 2012.

- **December 2012**, ‘the **General Agreement for cooperation between the European Atomic Energy Community and the Government of the Federative Republic of Brazil in the field of Fusion Energy research**’ has been ratified by the Brazilian Chambers.

- **January 2013**, the signature of the **Cooperation Arrangement between the Joint Research Centre (JRC) of the European Commission and the Ministry of Science, Technology and Innovation (MCTI)** for scientific and cooperative activities in fields of common interest, signed during the VI EU-Brazil Summit.
Areas for cooperation EU-Brazil

- Information and communication technologies
- Food, agriculture, fisheries, and biotechnology
- Health
- Nano-technologies
- Transport
- Energy
Countries with Most Participation
BR participation by organization activity type
(% of total EC contribution in € to BR partner organisations)

- Public body: 14%
- Research organisations: 33%
- Private for profit: 9%
- Others: 3%
- Higher or secondary education: 41%
Horizon 2020: What’s new?

• A single programme bringing together three separate programmes/initiatives*

• More innovation, from research to retail, all forms of innovation

• Focus on societal challenges facing EU society, e.g. health, clean energy and transport

• Simplified access, for all companies, universities, institutes in all EU countries and beyond.

*The 7th research Framework Programme (FP7), innovation aspects of Competitiveness and Innovation Framework Programme (CIP), EU contribution to the European Institute of Innovation and Technology (EIT)
**Horizon 2020 objectives and structure**

**Europe 2020 priorities**

- **Societal Challenges**
  - Health, demographic change and wellbeing
  - Food security, sustainable agriculture, marine and maritime research and the bioeconomy
  - Secure, clean and efficient energy
  - Smart, green and integrated transport
  - Climate action, Resource Efficiency and Raw Materials
  - Inclusive, innovative and secure societies

- **Industrial Leadership**
  - Leadership in enabling and industrial technologies (ICT, nano, materials, bio, manufacturing, space)
  - Access to risk finance
  - Innovation in SMEs

- **Excellent Science**
  - European Research Council
  - Future and Emerging Technologies
  - Marie Curie actions on skills, training and career development
  - Research infrastructures

**Supporting the objectives:**
- European Institute for Innovation and Technology
- Joint Research Centre

**Shared objectives and principles**
- Common rules, toolkit of funding schemes

**International cooperation**
- European Research Area

**Simplified access**
- Coherent with other EU and MS actions
### Proposed funding (million euro, 2014-2020)

<table>
<thead>
<tr>
<th>Area</th>
<th>Funding (million euro)</th>
</tr>
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<tbody>
<tr>
<td>Health, demographic change and wellbeing</td>
<td>8 033</td>
</tr>
<tr>
<td>Food security, sustainable agriculture, marine and maritime research &amp; the bioeconomy</td>
<td>4 152</td>
</tr>
<tr>
<td>Secure, clean and efficient energy*</td>
<td>5 782</td>
</tr>
<tr>
<td>Smart, green and integrated transport</td>
<td>6 802</td>
</tr>
<tr>
<td>Climate action, resource efficiency and raw materials</td>
<td>3 160</td>
</tr>
<tr>
<td>Inclusive, innovative and secure societies</td>
<td>3 819</td>
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</tbody>
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*Additional €1 788m for nuclear safety and security from the Euratom Treaty activities (2014-2018). Does not include ITER.*
Strategy for international cooperation in research and innovation

Need to engage more actively and strategically in international cooperation:

- Three main objectives:
  - Strengthen the Union's excellence and attractiveness in research and innovation as well as its industrial and economic competitiveness
  - Tackle global societal challenges
  - Support the Union's external policies

- Combining openness with better targeted actions
- Strengthened partnership with Member States
Innovation a way out of crisis?
EU- Brazil Sector Dialogue Support Facility

- The Sector Dialogues are a new form of cooperation dynamics between the European Union (EU) and emerging countries. Currently, there are 35 Sector Dialogues identified between Brazil and the EU on a wide range of themes, based on the principles of reciprocity and complementarity, aiming to foster the exchange of know-how and experiences in areas of mutual interest.

- The EU-Brazil Sector Dialogues Support Facility was created with a view to contributing to the advancement and enhancement of the strategic partnership and bilateral relations between Brazil and the EU.
The Project

- 1st phase: 2008-2011
  - 2 millions Euro
  - 37 actions

- 2nd phase: 2011-2013
  - 4.1 millions Euro
  - more than 90 actions

- 3rd phase: will start at the end of 2013
  - 5.5 millions Euro
Dialogue on Information Society
Brazil
Ministério das Relações Exteriores
Divisão de Sociedade da Informação
EU DG CONNECT – Communications Networks, Content and Technology

Dialogue on Nuclear Energy (including nuclear safety)
Brazil
Comissão Nacional de Energia Nuclear – CNEN
EU DG RTD - Science and Technology Section

Dialogue on Science and Technology
Brazil
Ministério das Relações Exteriores
Ministério da Ciência e Tecnologia
EU DG RTD - Science and Technology Section

Dialogue on Space Cooperation
Brazil
Agência Espacial Brasileira (AEB)
Ministério das Relações Exteriores
EU DG RTD - Science and Technology Section

Dialogue on Disaster Risk reduction
Brazil
Ministério da Ciência e Tecnologia
EU JRC - Science and Technology Section
Obrigado pela atenção de vocês!

- EU research: [http://europa.eu.int/comm/research](http://europa.eu.int/comm/research)
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