



INCREASING INTERNATIONAL STI COOPERATION BETWEEN **BRAZIL** AND THE **EUROPEAN UNION**

**INCOBRA Bilateral Networks:  
Increasing the R&I cooperation  
between Europe and Brazil**

## **NANO-NOCMAT 2<sup>nd</sup> Meeting**

**Instituto de Ciencias de la Construcción Eduardo Torroja (IccET), CSIC  
Madrid, Spain**

**November 7-8, 2018**

**Paloma Tejedor, CSIC**



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# CSIC: A brief introduction

Consejo Superior de investigaciones científicas

# CSIC

Spanish national research council



**Creation of CSIC:  
24<sup>th</sup> November 1939**

- **Multidisciplinary scientific and technological research**
- **Knowledge transfer to industry**
- **Creation of technology - based enterprises**
- **Education of young scientists and technical personnel**

**CSIC Bylaw: BOE 14/01/2008**

## Scientific and Technical Areas

### Humanities and Social Sciences

16 centres  
294 scientists



### Biology & Biomedicine

20 centres  
572 scientists



### Natural Resources

20 centres  
525 scientists



### Agricultural Sciences

16 centres  
438 scientists



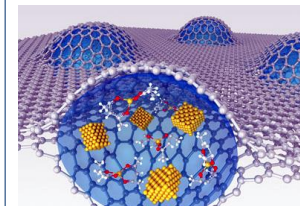
### Physical Science & Technology

21 centres  
519 scientists



### Materials Science & Technology

11 centres  
469 scientists



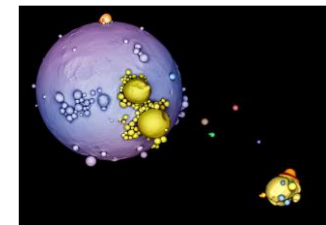
### Food Science & Technology

6 centres  
226 scientists



### Chemical Science & Technology

12 centres  
420 scientists





# CSIC: A brief introduction



**Astronomical Observatory,  
Calar Alto**



**Integrated Clean Room- Institute of  
Microelectronics at Barcelona**



**Oceanographic Vessel Hespérides**

**ICTS**  
**Singular Scientific and  
Technological Infrastructures**



**Oceanographic Vessel  
Sarmiento de Gamboa**



**Antarctic Base Juan Carlos I**



**Doñana Biological Station**

# CSIC: A brief introduction



**Royal Botanical Gardens, Madrid**

*Unique  
Facilities*



**School of Arabic Studies, Granada**



**National Natural Sciences Museum, Madrid**



**Experimental Station of Arid Zones,  
Almería**



**Residencia de Estudiantes, Madrid  
Residencia de Investigadores, Barcelona**

**Casa de la Ciencia, Sevilla  
Centro de Ciencias de Benasque Pedro Pascual**

## *Scientific Production*

- Producing **20%** scientific output of Spain
- +12. 000 **ISI papers**
- 740 M€ - Public funds for **Research Projects**
- **Leading patent ranking in Spain: 150 patents**
- **120 Technology-Based Companies**
- 40 M€ - **contracts with Industry**
- > 900 **PhDs**



## *CSIC in the European Research Area*



- **73 ERC Grants** (total number): 102.7 M€ (2008-2016)
- 6th institution in **FP7**: **724 Grants, 263 M€** (2007-2013)
- **H2020**: **246 Grants, 107 M€** (2014-2016)
- Member of the **EIT Raw Materials** and **EIT Food**



### ***i-LINK+ Programme for international scientific collaboration***

- **Aim:** *Promote new collaborations with leading research groups outside Spain through bilateral travel (All research areas/countries).*
- **Elegible expenses**
  - *Travel expenses of CSIC team*
  - *Up to 6-month stays of foreign team members (graduate students and doctors)*
  - *Meetings and Workshops*
- **Duration:** *2 years*
- **Evaluation criteria:**
  - *Scientific quality*
  - *Companies involved*
  - *Co-funding*
  - *Multilateral collaborations*
- **Budget:** *24.000€/Project*
- **Next call to be announced in the coming weeks**



<http://www.csic.es/web/guest/i-link>

[i-link@csic.es](mailto:i-link@csic.es)



## ***i-COOP+ Programme for international cooperation***

- **Aim:** *Encourage research groups from CSIC to collaborate with institutions of emerging countries to build up or consolidate their scientific and technical capacities.*
- **Priority areas:** *Latin America, South Mediterranean areas, Sub-Saharan Africa and emerging Asian countries.*
- **Eligible expenses:** *Travel expenses and stays of foreign team members in CSIC centres*
  - **Scheme A:** *Graduate students currently conducting their research in an eligible institution from an emerging country.*
  - **Scheme B:** *Training stays for scientific and technical staff to consolidate specialized capacities, creation of new labs, postgraduate course planning.*
- **Duration:** *2 years*
- **Evaluation criteria:** *same as i-LINK+ programme*
- **Budget:** *24.000€/Project*
- **Open call until 26 November 2018**



<http://www.csic.es/web/guest/i-coop>  
[i-coop@csic.es](mailto:i-coop@csic.es)

## Horizon 2020 programme- Coordination and support action (2016-2019)

“Increasing Science, Technology and Innovation (STI) International Cooperation between Brazil (BR) and the European Union (EU)”



**Coordinator: Sociedade Portuguesa de Inovação - SPI**  
Portuguese consulting company



Fraunhofer Institute for Systems and Innovation Research ISI



Brazilian Innovation Funding Agency



Council from State Funding Agencies



European Business Network



Austrian Research Promotion Agency



Brazilian Association of Research and Innovation Organisations



Porto Digital Science Park



International Association of Science Parks and Areas of Innovation



Funding Agency for Research from the State of São Paulo



Catholic University from the State of Rio Grande do Sul



Spanish National Research Council



Centre for Social Innovation



University of Campinas

# INCOBRA overall aim

## 1. Focus

- Better targeted cooperation activities
- Addressing priority research areas

## 2. Increase

- Cooperation activities among Brazilian and EU STI actors
- More partnerships, consortia and joint R&I projects

## 3. Enhance

- Improving framework conditions for STI cooperation
- Well coordinated and aligned R&I funding programs

### Priority areas



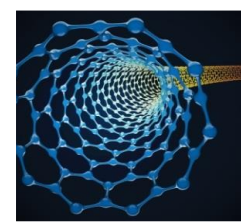
• Green Energy



• Bioresources



• Food security and adaptation of agriculture to climate change



• Advanced Manufacturing & Nanomaterials



• Smart Cities and Systems

# INCREASE dimension

## 2. Increase

Scaling up STI cooperation activities

**Brazil-EU R&I Bilateral Cooperation Networks**  
Call launched in September 2017

Selection of **5**  
Bilateral networks

**Travel Grants for the organization of meetings**  
**19.500€/network**

**Technical support for the selected networks**  
**April - November 2018**

- ✓ Joint submission of proposal to EU, member state or BR funded programme.
- ✓ Celebration of MoU / Partnership Agreement
- ✓ Action Plan for coordination of R&I initiatives.
- ✓ Activity report with policy recommendations



## Bilateral Networks funded by INCOBRA



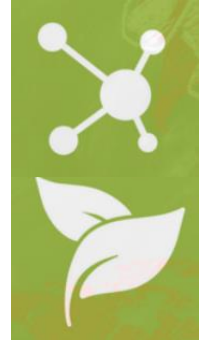
1. Brazil-EU sexually transmitted infections network (STI-net)

2. Precise position Estimation for Applications in Real-time at Brazilian Latitudes (PEARL)

3. Nanotechnology principles applied to agro-industrial wastes and by-products for improved performance of nonconventional materials and sustainable housing (NANO-NOCMAT)

4. Network on Intelligent Urban Mobility and Accessibility Research (NIUMAR)

5. Beneficial Microbes of Marine Organisms Network (BMMO)



## Next steps - Important dates

**15<sup>th</sup> November**

- Signature of MoU
- End of official period for bilateral networks

**30<sup>th</sup> November**

- Networks submitting the financial and activity report

**30<sup>th</sup> November – 21<sup>st</sup> December**

- Mentors to review/approve the submitted report
- Interviews with network leaders and mentors

**15<sup>th</sup> January 2019**

- Final payment to networks

**31<sup>st</sup> January 2019**

- **End of INCOBRA project**

## Joint submission of proposal to EU, member state or BR funded programme

Proposals for different calls in preparation:

- ERA-MIN. 2 (Calls opens 31 October 2018 and ends 31 January 2019)
- LC-EEB-01-2019: Integration of smart materials in non-residential buildings (Calls opens 16 October 2018 and ends 21 February 2019)

A first draft of the proposals can be included in the activity report

## MoU

Consolidation of a long term cooperation framework: signature of a MoU, partnership agreement or other kind of formal agreement.

- We would recommend each institution to sign on an individual basis
- Signed by as many network partners as possible
- If there are 2 organisations (1 Brazilian and 1 European) leading the network it could be signed by these two organisations on behalf of other network members



## Activity report

Final report with **policy recommendations** and description of **needs** and **cooperation obstacles**.

The report is divided into 5 main chapters:

- **Activities:** description of activities carried out in these 7 months
- **Meetings:** main information about the meetings organised
- **Funding:** description of how this grant has benefitted the network
- **Consultancy services:** feedback on the services provided by INCOBRA
- **Overall/recommendations:** lessons learnt, policy recommendations, plans for the future, overall experience with this INCOBRA project

# Thank you for your attention!



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