



ALCUE NET

Latin America, Caribbean and European Union Network on Research and Innovation

EU-CELAC Joint Initiative for Research and Innovation (JIRI)

Biodiversity and Climate Change working group

by Olivier Giron, representative of the French Ministry
of National Education, Higher Education and Research at the SOM

ALCUE NET /CORDEX LAC III workshop on Biodiversity and Climate Change
September 21-23 2015 / Bogotá, Colombia





■ **Reminder : Creation of the JIRI**

During the preparation of the Sixth UE-ALC Summit of Heads of State and Government, held in Madrid in May 18 2010, the Senior Officials of both regions have decided to submit the creation of a « Joint Initiative for Research and Innovation » (JIRI).

This proposal has been accepted and appears in the Final Declaration of that Summit, under the title :

III. PROMOTING INNOVATION AND TECHNOLOGY ON A BI-REGIONAL SCALE FOR SUSTAINABLE DEVELOPMENT AND SOCIAL INCLUSION
which stipulates :



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- 41. Fully committed with priorities and decision taken in earlier EU-LAC Summits to achieve a “EU-LAC Knowledge Area”, we agree on the development and implementation of the EU-LAC Joint Initiative for Research and Innovation (the 'Initiative') adopted at the EU-LAC Ministerial Forum on Science and Technology held in Madrid on 14 May 2010. The Initiative is based on a set of pre-existent and new actions combining different types of instruments at national, regional and bi-regional levels, as appropriate, in a complementary and synergistic manner in pursuit of the objectives of the Initiative. The Initiative frames Science and Technology cooperation in close coordination with higher education and innovation actions. This is expected to create conditions for strengthening the interface between research and innovation and to facilitate technology transfer and adaptation in formats accessible to micro and SMEs, including through knowledge and innovation centres network, participation in the European Research Framework Programme, progressive opening of national research programmes, interconnectivity between research infrastructures and promoting cooperation in capacity building human and institutional.



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- 42. In order to pursue these objectives, the above mentioned Joint Action Plan as regards research, technology and innovation comprises implementation of the Joint Initiative for Research and Innovation as well as other bi-regional activities regarding Research and Development and innovation.

(https://ec.europa.eu/research/iscp/pdf/policy/lac/declaration_en.pdf)

- **SOM Thematic WGs** define specific issues and objectives and prepare an implementation plan that will be reported annually to the SOM

Working Groups:

1. Renewable Energies → Mexico (CONACYT) + Spain (MINECO)
 2. Bio-economy, including food security → Argentina (MINCYT) + Francia (Min Edu)
 3. Biodiversity and Climate Change → Colombia (COLCIENCIAS) + Francia (Min Edu)
 4. ICT → Chile (CONICYT) + Finlandia (VTT)
 5. Health (2013) → Spain (MEC) + Brasil (Fiocruz+CNPq)
 6. Cross-cutting issues → Mexico (CONACYT) + Portugal (FCT)
- ** Mobility (Integrated as 5th, 2014) → Chile (CONICYT) + Finland



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EU-CELAC Summits

- ...Madrid 2010; Santiago 2013; Brussels 2015...
- Joint Biregional Declarations; Action Plan
- **EU-CELAC Joint Initiative for Research and Innovation (JIRI)**

Senior Officials Meetings (SOM)

- ...Brussels 2011; Concepcion 2012; Brussels 2013; Costa Rica 2014...
- Biannual Work Plan (Roadmap)

JIRI Working Groups

- Bioeconomy/ ICT/ Biodiversity + CC/ Energy/ Health/ Cross Cutting...
- Implementation plans: ALCUE NET + EULAC Health + ERA NET Lac + EUCARINET+ Thematic Biregional Projects...

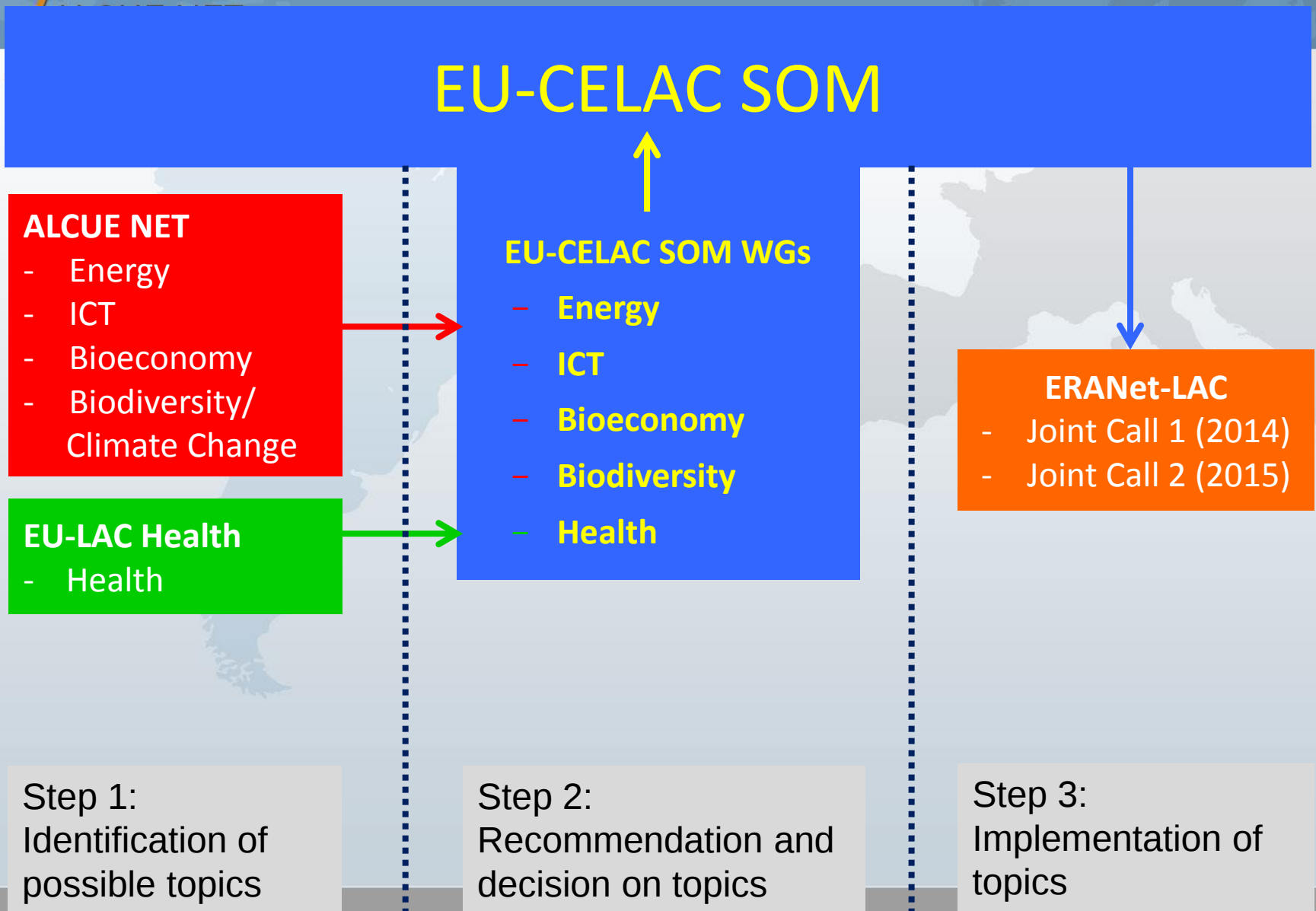
Mandate

Report

Mandate

Report

Decision process for ERANet-LAC Joint Call topics





CELAC members	EU members
• Colombia • Argentina • Chile • Costa Rica • Dominican Republic • Mexico • Peru • Uruguay	• France • Belgium • Finland • Germany • Spain • European Commission



Working Group meetings

1. September 2011, Manizales, Colombia
2. October 2013, Mexico D.F. – ALCUE-NET/CYTED
3. March 2014, Santa Marta, Colombia – identification of three topics
4. SOM San José Costa Rica, April 2014



Main progress since April 2013:

1. Colombia's proposal of a bi-regional platform of scientific and technological cooperation between LAC and the EU (Green Platform)
2. Organization of a thematic workshop on biodiversity and climate change in Santa Marta (Colombia), 4-6 March 2014
3. Submission of three topics of common interest to the ERA NET-LAC, which aims at launching bi-regional joint calls
4. First results of an analysis of bi-regional collaboration at the interface between biodiversity and climate change



1. Organization of a thematic workshop on biodiversity and climate change, 4-6 March 2014 in Santa Marta, Colombia

– Objectives of the workshop:

- Identification of key topics for bi-regional research and innovation cooperation
- Promotion of networking to foster and define future joint activities

– Participants:

- The workshop was attended by 53 participants from 20 countries, mostly researchers and national authorities
- LAC: 12 countries / 34 participants
- EU: 8 countries / 19 participants

2. Formulation of three topics of common interest to be recommended to the ERA NET-LAC

The topics have emerged from the discussions held during the Santa Marta workshop. They have been developed in the thematic report on biodiversity and climate change submitted in late March to MINCyT (ALCUE NET coordinator) and DLR (ERA NET-LAC coordinator)

- a) **Topic 1: Biodiversity assessment and monitoring**
- b) **Topic 2: Observatories network – Alignment of existing infrastructures and information platforms**
- c) **Topic 3: Ecosystem-based adaptation and resilience**



2. Options for development of topics and adaptation to joint activities

Topic 1: Biodiversity assessment and monitoring

Focus on improving baseline distribution data and compatibility with climate datasets

Type of actions: Joint research projects/ Improving sustainability of existing and initiation of new long term monitoring projects/ Capacity building with a focus on taxonomic and ecological expertise

Topic 2: Observatories network

Focus on the alignment of existing infrastructures and information platforms

Type of actions: Legacy data recovery, data quality, open access / joint research programs to assess data interoperability

Topic 3: Ecosystem-based adaptation and resilience

Including Aichi Biodiversity Targets (Strategic goals A,B,C,D,E)

Type of actions: Development of models for multi-functional landscapes, habitat corridors and optimized conservation areas/ platforms to inform decision making / Standardized methodologies and tools for vulnerability assessment



3. First results of a study on bi-regional collaboration at the interface between biodiversity and climate change (IRD)

Part of ALCUE NET workplan, IRD has conducted a literature survey in Web of Science of publications involving authors from EU and LAC between 2003 and 2013, to provide a thematic area background in EULAC.

The results obtained were presented during the thematic workshop in Santa Marta and they have been included in the thematic report on biodiversity and climate change.

Next steps for 2014:

- State of the art on current bi-regional and bilateral policies and programs, key actors from academic and non academic sectors
- Perspectives in terms of existing innovative programming approaches and niches



Road map for future activities in 2014 - 2015

The three topics of interest: 1) *Biodiversity assessment and monitoring*, 2) *Observatories network* and 3) *Ecosystem-based adaptation and resilience* will serve as a basis for the definition and implementation of the following meetings:

- **Regional workshop in Marseille (October 2014) - IRD**
To identify European technology platforms, Environmental NGOs, research groups and funding agencies interested in joining bi-regional projects.
- **Bi-regional conference in Cartagena (tbd 2014/2015) - COLCIENCIAS**
To analyze regional innovation framework conditions in that field and to foster innovative partnerships (public/private)

+ Completion of the analysis on STI bi-regional cooperation on biodiversity and climate change - IRD



Synergies with other projects

- ERANet LAC for joint actions
- BiodivERsA
- EU-LAC Foundation
- ENSOCIO-LA: Colciencias co-leads a work package to review initiatives, networks and funding opportunities. Analyze cases of EU-LAC cooperation in biodiversity and climate change, resource efficiency and raw materials.
- AridasLAC: Sustainable management of ecosystems & resources in arid, semi-arid & sub-humid zones in Latin America & the Caribbean



Horizon 2020

Societal challenges:

- Food Security, Sustainable agriculture and Forestry, Marine and Inland Water and the Bioeconomy
- Climate Action, Environment, Resources Efficiency and Raw Materials
- Secure Societies - Protecting freedom and security of Europe and its citizens (includes Disaster resilience and Climate change)



Political context

- IPBES Work Programme 2014-2018
- COP 20 (Lima) & COP 21 (Paris)

ERANet-LAC is a Network of the European Union (EU) and the Community of Latin American and Caribbean States (CELAC) on Joint Innovation and Research Activities funded by the European Commission for a period of three and half years (2013-2017).

- Biodiversity and Climate Change: Sustainable mining: Health and remediation of contaminated sites
- Biodiversity and Climate Change: Wastewater treatment
- Bioeconomy - Biorefinery: Precursors development for advanced materials from biomass
- Energy – Solar thermal energy: Energy storage technologies
- Energy – Solar photovoltaic energy: Novel concept in cost-effective constructive systems based on solar technology in buildings and urban areas
- Health – Infectious Diseases: Research in prevention of infectious diseases and promotion of well-being

1st ERANet-LAC joint call: 14 projects approved for funding

As a result of the 1st ERANet-LAC joint call, 20 funding organizations from Europe, Latin America and the Caribbean countries will fund 14 transnational research and innovation projects.

79 research institutions and small and medium enterprises (SMEs) from both regions are involved in the international consortia. The total financial volume amounts to 10.4 million €. The projects address the thematic fields Bioeconomy, Health, Biodiversity and Energy. In total, 90 proposals involving 533 applicants from research institutions and SMEs were submitted. Approximately a quarter of the proposals involve innovation actors.

2nd ERANet-LAC Joint Call will be launched in December 2015

<http://eranet-lac.eu>