

# EU-LAC International Cooperation in ST&I

Consejo Nacional de Ciencia y  
Tecnología - CONACYT



REUNIÓN DE OTOÑO  
CAMPECHE

Fecha

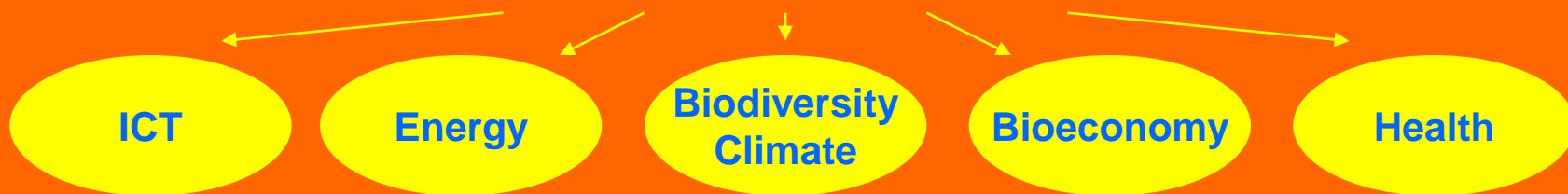


# European Union- Latin America and Caribbean Joint Initiative for Research and Innovation

## EU-CELAC SOM

*elaborates concrete suggestions for the implementation of JIRI*

five thematic SOM working groups



### Support for implementation of JIRI

direct cooperation with SOM working groups

#### INCO-projects

**INCO-NET ALCUE NET**  
EU-CELAC SOM secretariate

**BILAT-projects**  
ARG, BRA, CHL, MEX

**ERA-NET ERANet LAC**  
Joint Calls + Joint Actions  
(topics based on suggestions from ALCU NET and thematic projects)

Close networking

#### Thematic projects

**EU-LAC HEALTH**  
health

**ALCUE KBBE**  
bioeconomy

**ENCOCIO-LA**  
climate, res. efficiency, raw materials

**AMERICAS**  
ICT



# BACKGROUND

## EU-LAC Summit Process

2, 3 Y 4 DE OCTUBRE

- From Group of Río 199 to EU-CELAC Summit 2013
- Madrid 2010; Santiago 2013; Brussels 2015

**Madrid 2010 → Joint Initiative for Research & Innovation**

- SOM (Bru 2011; Concepción 2012; Bru 2013; Costa Rica 2014)
- JIRI SOM Working Groups: KBBE, ICT, Biodiv+CC, Energy, Health - Cross cutting issues

## *General Objectives:*

- To define and develop bi-regional pilot activities on which the enhanced bi-regional cooperation will be developed within the framework of the Joint Initiative
- Bio-economy, including food security, Biodiversity and Climate Change, **ICT for Societal Challenges** and Renewable Energies



# EU-LAC Joint Initiative for Research and Innovation Priority Areas

- As a result of the European Union, Latin America and Caribbean (**EULAC**) Senior Officials Meeting (**SOM**) hold on March 28-29, 2011 in Brussels, (a) the working mechanism and roadmap to go forward the implementation of the EU-LAC Joint Initiative for Research and Innovation (**JIRI**) was approved, (b) specific areas for bi-regional pilot activities were selected and (c) four working groups were established

## The JIRI<sup>1</sup>

aims at contributing to sustainable development and social inclusion in **six priority areas** of cooperation related to key global societal challenges as mentioned in the Innovation Union Communication<sup>2</sup>



## Priority areas:

1. Energy
2. Environment and Climate Change
3. Agro Food
4. Health
5. **ICT**
6. Horizontal activities regarding S&T policies focused in both institutional and human capital formation

## Working Groups:

1. Renewable Energies
2. Bio-economy, including food security
3. Biodiversity and Climate Change
4. **ICT for Societal Challenges**

## Priority Areas Why ICT?

- **Global economy + development of ICT tools**
  - > space between people
  - > creates new groups of included and excluded people.
- Need to shorten the digital divide through access to government services (education, health, administration) - **digital inclusion or e-Inclusion to increase life quality, and social and economic development,**
- ICT is a horizontal tool to address a very wide range of societal challenges




The working group focuses on **four main areas:**

- e-Inclusion
  - e-Health
  - Smart cities
  - Living Labs or open innovation
- LAC countries: Chile, Uruguay, Perú, México, Nicaragua, Colombia, Martinique (FR), Argentina, Bolivia
- EU countries: Finland, Austria, France, Portugal, Spain, Germany, EC (DG CONNECT



1. Establishment and maintenance of an EU-LAC Observatory on ICT for Social Inclusion upon the initiatives already existing in the region.
2. Networking actions: Living labs; LAC TPs → ETP;  
Network of Smart Cities: opportunities LA megacities Smart Cities topic in late 2012. “ICT for better living” workshop on 15 April 2013 included a specific session on Smart Cities
3. EU-LAC Joint projects in the use of ICT as a tool for local development



- ALCUE-Net and AMERICAS project
- @LIS
- Making use of multilateral funding mechanisms (coordination with CYTED, DG DEVCO, STIC-Amsud, ECLAC etc.)  CYTED-ACUENET Meeting Oct 25, 2013
- National funding mechanisms for implementing pilot initiatives (discussions with national funding agencies and establishment of pilot initiatives)



WG close cooperation with:

- Bi-regional context - RedCLARA, ECLAC
- 5 LA Technology Platforms and ETPs counterparts
- European Network of Living Labs
- Bi- and multilateral ICT projects and cooperation projects funded by the 7<sup>th</sup> FP of European Union INCO-Nets, Bilats, thematic (AMERICAS)
- Build on previous projects like Pro-Ideal, FIRST and FORESTA.



# Projects supporting the JIRI

*Joint Initiative for Research and Innovation*

ERA-NET LAC

ALCUE-NET

ENLACE

EUCARINET

ALCUE-KBBE

Leadership

Americas

EU-LAC HEALTH

ENSOCIO

CEST+I

ABEST III B.BICE +

EUMEX-Innova

2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020

- Connecting people across borders and centres, industries and governmental agencies
- Putting ICT on the research agendas and defining joint research topics
- Creation of a LAC Network of Living Labs
- ToRs for observatory on ICT (finished in April/May 2013)



# SOM JIRI Working Groups Benefits

- The work of these WGs **benefits local, national, regional and bi-regional development**
- Has created **synergies** of research lines, critical mass through joining of forces and saved resources in a multilateral cooperation scheme.
- All **activities** have been excellent means for **strengthening the collaboration of experts of LAC countries** by encouraging the integration of promising institutions to approach EU institutions with co-operation offerings or even project proposals addressing the themes of FP, in this case ICT.
- LAC and Mexican participation in FP6 & FP7 ICT Projects: WINDS, Foresta, First, Idealist, Oasis, RISK, M-inclusion, Pro-Ideal Plus Americas
- **Fruitful cooperation between projects** by combining the technical expertise of the thematic ICT projects on-going and INCO-Nets (EULARINET, EUCARINET, ENLACE, ALCUENET); BILATS (UEMEXCYT 1&2, EUMEX INNOVA, ABEST, CEST, BBCE), INCONTACT
- Outcomes of these activities included information on areas of common interest for EU-LA cooperation in future work programmes, and on instruments and forms of cooperation.



### Short term

- By beginning of 2013 organisation of LAC Network of Technology Platforms
- Refine joint research topics identified in workshop
- Different matchmaking and twinning events under ALCUE-Net

### Medium-long term

- supporting links between EU and LAC TP and LL networks
- implementation of the observatory (ALCUENET )
- Implementation of applied research projects between EU and LAC



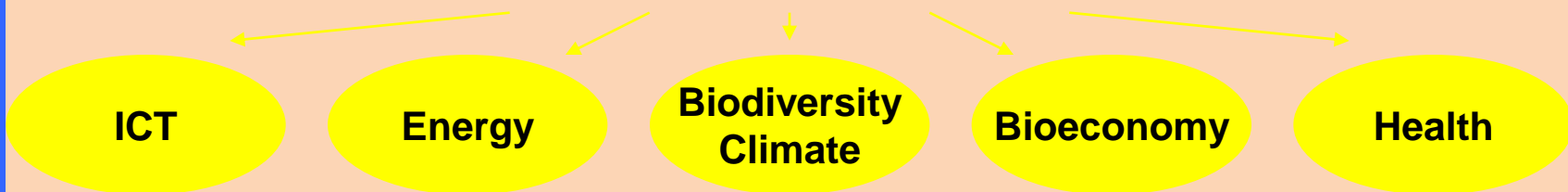
# European Union- Latin America and Caribbean INCO

Senior officials of EU-CELAC governments

## EU-CELAC SOM

*elaborates concrete suggestions for the implementation of JIRI*

five thematic SOM working groups



### Support for implementation of JIRI

direct cooperation with SOM working groups

#### INCO-projects

**INCO-NET ALCUE NET**  
 EU-CELAC SOM secretariate

**BILAT-projects**  
 ARG, BRA, CHL, MEX

**ERA-NET ERANet LAC**  
 Joint Calls + Joint Actions  
 (topics based on suggestions from ALCU NET and thematic projects)

**Close networking**

#### Thematic projects

**EU-LAC HEALTH**  
 health

**ALCUE KBBE**  
 bioeconomy

**ENSOCIO-LA**  
 climate, res. efficiency, raw materials

**LEADERSHIP**  
 ICT



## Challenges to foster cooperation with EU

Strengthening bilateral and bi-regional level cooperation:

- Making use of multilateral funding mechanisms (coordination with CYTED, DG DEVCO, STIC-Amsud, ECLAC etc.) → CYTED-ACUENET Meeting Oct 25, 2013
- National funding mechanisms for implementing pilot initiatives (dialogue to agree with national funding agencies for pilot initiatives) → SOM ST&I



## Challenges to foster cooperation with EU

- Continuous dialogue - working group participants and different stakeholders at the national, regional and bi-regional scale  INCO initiatives
- Build upon a mature relationship and prior cooperation, enhanced by multilateral and bilateral projects.  Schemes (ERANet and others) MX new instruments
- Need to move towards applied research projects in fields of mutual interest EU and LAC



- **Need of greater coordination, synergy and visibility of funding mechanisms** in order to reach integration of funding instruments at EU level, at LA Regional level and within each LAC country

The approach of the funding strategy should:

- **Seek for a better integration and visibility of funding schemes** within LAC at national level and at regional level
- **A more systematic and accessible architecture of existing opportunities**



## Challenges to foster cooperation with EU

- Continuous development of ICT infrastructures and widening of the interconnectivity between research organizations and networks together with data sharing (to widespread access to common research instruments and facilities aimed at global cooperation for the advancement of science to address global challenges)



# EXISTING FUNDING INSTRUMENTS

2, 3 Y 4 DE OCTUBRE

**AMERICAS**  
National funding options up to what each country will be willing to collaborate with

FPs /H2020 cooperation and support to s&t/ capacity building. Key instruments to facilitate the participation of LAC countries

InterAmerican Development Bank (IADB)  
Latin American Investment Facility (LAIF) , WB, etc

"Joint Cooperation Fund": Shared costs (in kind and/or in cash) taking into account mutual interests and capacities between both regions

Era-Net scheme: Coordination of national programmes - to improve the coordination and cooperation of international research (i.e: EULANEST)

Joint calls involving EU and different key LAC countries.  
Joint funding from EU and LAC agencies.

Twining of ongoing projects in order to coordinate activities and exploit results.

Promote LAC research potential and mobility by a combination of instruments (ERASMUS & Marie Curie+national mobility funds)

Joint proposals & technology transfer activities: > interaction and coop. between public&private research actors /increase participation of industry SMEs. (Matchmaking-Brokerage)...

Entities funding or working in the four areas of the working groups (i.e. IRENA, AIE, etc.)

Direct Funding options

Possible synergies