



Meeting Minutes

ALCUE NET

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

Latin America, Caribbean
and European Union

Network on Research and Innovation

ALCUE NET **Connecting European and Latin American** **Technology Platforms Workshop**

19th of October 2015

Lisbon, Portugal

Task Leaders: FCT (Portugal)/CONICYT (Chile)

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1. Objectives of the EU-CELAC ICT Workshop

This workshop aimed at providing an overview on the origins of the ICT Technology Platforms in EU (ETPs) and how they can collaborate with the Technology Platforms present in Latin America (LATPs) and the possibility to extend this cooperation to Caribbean countries. The discussion tackled different levels of performance of TPs in LAC, explaining main reasons and how cooperation between EU and LAC can improve the deployment of ICT for development. Participants were able to share their experience, best practices, and the results of their initiatives on TP, thus further learning from each other. The focus was put on the identification of needs to support future cooperation on ICT research, and proposing recommendations for the SOM process (Senior Officials Meeting on R&I CELAC-EU).

This meeting is a follow-up of the “Latin American ICT Technology Platforms Meeting” that was held in Guadalajara on the 1st of October 2014. During this meeting eight Latin American countries were able to exchange their experiences and name an official representative from each technology platform.

2. Identification, nomination, invitation of experts/ stakeholders

In order to identify the invitees of the Thematic Workshop it was taken in consideration the work and attendees of the last ICT workshop. This process identified a list of researchers and stakeholders who were later invited.

ALCUE-Net partner countries have specific budget allocated to send country experts to these Thematic Workshops, therefore experts and national representatives of ICT TPs belonging to countries participating in ALCUE NET were suggested as ideal candidates to participate in the Workshop.

The organizing committee gathered FCT (Portugal), CONICYT (Chile), VTT (Finland), MINECO (Spain) and CONECTA 2020. For the identification of Latin America and Caribbean stakeholders ALCUE NET took into account the facilitator rule of CONECTA2020 project. Thirty-six (36) experts attended the ICT Workshop, 22 from LAC and 14 from European countries (see complete list of participants in point 6).

In furtherance of promoting the inclusion of additional actors to the development of ICT Technology Platforms, a Caribbean Science Foundation representative participated in the meeting as an observer, as ICT has been identified in several processes (such as the Capacity Building and International Network meeting organized in Barbados in May 2015) as a key area in which the Caribbean region could further develop cooperation with the EU. Exploring mechanisms to include a Caribbean Technology Platform to the process is worth taking into consideration.

3. Workshop Sessions

The EU-CELAC ICT Workshop was divided into four sessions with their own objectives:

- SESSION I: EU PROJECTS FOR SUPPORTING ALCUE ON ICT
- SESSION II: NATIONAL ALCUE AND EU PERSPECTIVES
- SESSION III: EU-LAC FUNDING OPPORTUNITIES IN ICT RESEARCH AND INNOVATION
- SESSION IV: RECOMMENDATIONS FOR THE SOM

After the welcoming by hosting organization FCT and WP3 co-leader (CONICYT), the presentation of expected results and the *tour de table*, the Workshop developed accordingly to the agenda's division into four thematic main sessions (some deviations to the agenda were made to better soothe the necessities of the speakers).

SESSION I: EU PROJECTS FOR SUPPORTING ALCUE ON ICT

CONECTA2020

Carmen Agüero made an overview on the State of the Art on Latin American Platforms (LAPT), showing a clear picture of the evolution of the LATPs in the last 5 years and the role of CONECTA2020 in the strengthening of the cooperation between LATPs and ETPs (European Technology Platforms).

It was presented the vision of CONECTA2020 as a strategy proposal for cooperation of LATPs with the EU in Horizon2020 and the expressed the need for the establishment of an integration philosophy amongst all LATPs in order to have a common vision for a regional roadmap.

ALCUE NET Project

Trinidad Garcia explained the objectives of the ALCUE NET project namely: to establish an EU-CELAC platform bringing together actors involved in R&I orientation, funding and implementation and to support EU-CELAC S&T Policy Dialogue & the JIRI implementation during 2013-2017.

Later it was made an overview of the SOM ICT Working Group, its constitution and main activities which are: mapping of current and recent ICT projects in the four fields with EU and LAC participation, creation of a Latin American and Caribbean Network of Living Labs connected to the European Network of Living Labs (ENoLL) in 2012, to connect Latin American Technology Platforms with European Technology Platforms and search for opportunities on ICT for EU LAC Region.

Finally it was explained what has been the focus on ICT for the LAC countries.

SESSION II: NATIONAL ALCUE AND EU PERSPECTIVES

Analysis of opportunities for cooperation between ETPs and LATAMs

Tonny Velin explained the connection of HORIZON 2020, the technologic platforms and international cooperation in the scope of CONECTA2020.

As the TPs allow tackling common global challenges, they can be a dialogue instrument for regions when it comes to developing a strategic I&D plan with social and economic impact. Furthermore, TPs can bridge the gap between research and the market through networking between LATPs and ETPs, in order to strengthen cooperative research links around a selected set of research/societal topics, set-up sustainable mechanisms for supporting dialogues between European stakeholders and strategic partners in the LAC region and foster bi-lateral cooperation in R&D projects within the EU's Framework Programmes (Horizon 2020) and also under relevant LAC programmes.

Research potential and main priorities of LATMs

BraFip - Brazilian Technology Platform

Jose Antonio Antonioni, presented BraFip (Brazilian Technology Platform) and what was considered as their bi-regional ICT cooperation priorities, namely: Cloud Computing (including security aspects), Performance Computing (HPC), Experimental Platforms, Future Internet (IoT, Smart Networks, etc.), Content Technologies and Information Management, Health, Demographic Change and Wellbeing and, finally, Secure, Clean and Efficient Energy.

On the other hand, it was presented what BraFip offers for bi-regional cooperation: large number of research centres and enterprises, help to find and choose the right Brazilian partners for the projects, information supply about market requirements, help for definition of the projects and division of labour and creation of opportunities and new businesses in both regions.

MACHI – Chilean Technology Platform

Francisco Mardones, presented the MACHI platform (Chile). The objective of the Chilean platform is to implement a platform of associative businesses which allows the development and commercialization of generic technologies on a global scale. The main actors of the platform are software developers, centres of applied investigation and technology integration partners. MACHI seeks opportunities for bi-regional cooperation with other ICT TPs in the fields of electronics, distributed manufacturing, design and packaging, advanced software and intelligent systems.

MTP – Mexican Technology Platform

Jorge Buitron, presented the Mexican Technology Platform (MTP) being this collaborative initiative funded by the European Commission Seventh Framework Program in order to foster International Cooperation in technological areas such as Future Internet, ICT Components and systems between Europe and Latin America. It encompasses the participation of the main ICT Mexican Cluster. In terms of bi-regional cooperation the MTP connects with European Technology Platforms (ETPs) and with all those companies wanting to find a Mexican partner, creating a bidirectional flow of ideas from Europe and Mexico, in order to develop innovation projects under funding programs.

PLATA – Argentinian Technology Platform and Industry clusters

Maria Alejandra Davidziuk, presented PLATA, the Manuel Sadosky Foundation platform which main objectives are: to create Research and Development (R&D) Centres of high scientific level according to the needs of industry and society, both nationally and regionally; to support the creation of scientific and technological networks for the participation of R&D institutions and the business sector; to promote human resource development oriented to training researchers specialized in priority areas according to sectorial strategic plan; to establish international links to generate cooperation processes that contribute to the sector growth; to provide advice to public and private sectors for the development of strategies related to research and development in areas related to ICT and to generate management capabilities for the creation, development and consolidation of technology-based companies (EBT).

RECIIF – Colombian Technology Platform

José Jaime Gómez Curdis, presented the objectives and the main work activities of the RECIIF platform.

The EU perspective - International Cooperation with Latin America (10' each)

Views and interest from NEM

Jesús Santamaría, presented NEM which as the Horizon2020 European Technology Platform dedicated to Content dealing with Connected, Converging and Interactive Media & Creative Industries. The value chain of content is of extreme importance, representing 3,5% of EU GDP.

NEM's research areas are: Content Creation, Content Personalization & Recommendation, Content Processing, Content Distribution and Content Consumption.

NEM is working to speed up the process from the idea to production, improving efficiency in terms of cost, time and impact in any sector, richer and augmented user experience (Massive content is relevant in any sector), collaborative innovation environment for professionals and consumers, immersive systems to support any type of communication/ interaction between people and immersive working environment, home, and urban environments.

Views and interest from NESSI

Ernestina Menasalvas, presented NESSI's mission, objectives, governance and its current focus (all underpinned by Software Engineering), namely: Big Data, Cloud Computing, Cyber Physical Systems and Everything as a Service.

The evolution of cloud computing and the need for engineering trade-offs for clouds was highlighted as well as the opportunities and innovation challenges of the cyber physical systems.

Views and interest from NetWorld 2020

Pedro A. Ruíz presented the scope, mission and membership constitution of NESSI. Having over 1000 associates from industry, research, cooperation and SMEs, the TP works to address all

communication networking issues (mobile and wireless communications, fixed/optical communications and satellite communications) from a holistic perspective.

Regarding cooperation with LATPs, the cooperation has been non-existent, but the nature of research topics, international collaboration is needed as communications protocols are used worldwide and telecommunications are key technology for the development and wellness of countries.

PTCR – Costa Rican Technology Platform

Oscar Gamboa, presented PTCR the thematic axes of the platform (Energy, Intelligent Systems and Digital Technologies and possibly in the Future also Robotics and Big Data) and its main areas of work which are: Development of the strategic research agendas of the thematic axes selected, Identification and promotion of themes of interest of the thematic axes, Research on the needs of organizations that are involved in the thematic axes, Linking and propose research projects, Improve the competitiveness of the organizations of the themes, Promote exchange and alliances among members of the themes and Promote exchange and alliances with members of Latin American and European Technology Platforms.

PTU – Uruguayan Technology Platform (MTP)

Luis Amil, presented MTP and its main areas of work (Software and services, Multimedia and Communications) which gives them a common frame to several ETPs. After explaining the benefits of bi-regional cooperation an overview of Uruguay as ideal partner was made focusing on its industry capacity, level of ICT development and ideal characteristics for pilot studies.

SESSION III: EU-LAC FUNDING OPPORTUNITIES IN ICT RESEARCH AND INNOVATION

Funding Opportunities for trending ICT topics in HORIZON 2020 and European Instruments

The PPP initiatives and SMEs instrument in HORIZON 2020

Fernando Martín explained the ICT opportunities for funding within the scope of HORIZON 2020 giving away the priorities for 2016-2017 and explaining the instruments for international cooperation. In the end some recommendations were given to better frame the process: Assure the participation of INCO partners make sense in the context of the project, Show the benefits for both regions in a win-win approach, Avoid individual schemes as the SME Instrument or other topics which only pursue to increase competitiveness of European industries (unless clearly contributing to this objective), Be careful when planning exploitation strategies through non-European industries, Make sure you respect the conditions of both Calls when an EU Call is coordinated with a national one somewhere else, Always think of activities related to worldwide implementation and standards when developing your proposals, Opening of new markets is always welcome and PPP follow the same rules but make sure your objectives align with the SRIA and you go by the hand of some insider.

ERANet-LAC 2015 call – ICT Topics

Trinidad Garcia, explained how the SOM ICT group fed the work of ERA-NetLAC and which ICT topics are now open for funding opportunities, namely: Improving wellbeing and Inclusiveness through e-Health, m-Health and Active and Assisted Living (AAL) solutions and Smarter, Inclusive and Sustainable Cities.

Future internet - FIWARE

Álvaro de Oliveira, from Portugal gave a presentation about Human Smart Cities Cross-Atlantic Cooperation having FIWARE as the centre of the technological instrument that potentiates it. It was explained how to build a Human Smart City and introduced the concept of People Public Private Partnership (PPPP). The Social Innovation Platform MyN was presented in relation with the advantages of using FIWARE namely: Avoids vendor lock-in (Royalty Free Architecture/ Specifications), Larger community of developers (Sustainable Innovation Ecosystem) and Easier Integration and data management (Privacy and Security by design).

SESSION IV: RECOMMENDATIONS FOR THE SENIOR OFFICIALS MEETING (SOM)

Areas for EU-LAC cooperation on ICT identified in LEADERSHIP

Yolanda Ursa (LEADERSHIP project) presented the results of the Leadership survey to assess ICT R&I priorities in LAC countries. As conclusions it was said that: Horizon2020 is perceived in Latin America as a great opportunity for future cooperation between both regions in the field of ICT, Future Internet and ICT for societal challenges are key topics for Latin American participants in Horizon 2020. Most of the top 10 ICT priorities are of common interest for Latin American countries: six of the top 10 priorities involve R&I areas under societal challenges and other four priorities are within the ICT Work Programme “ICT for Learning and Inclusion” and “Technologies for better human learning and teaching” are in the top 10 of all organisation types. However, there are still important barriers for Latin America participation in Horizon 2020 (lack of access to information about EU programmes, difficult access to funding for LAC participants and lack of experience in participating in EU projects).

The ICT SOM Working Group - Thematic report for the next SOM

Trinidad Garcia gave a short overview on the ICT working group and the Thematic Report for the next SOM.

Wrap-up and closing of the workshop

Maria Maia from FCT wrapped up the session after a session of Q&A and invited all members for a family photo and an informal matchmaking session during coffee, making notice that a closing session would still be happening.

Closing Session

Tips for a successful matchmaking

Almudena Carrero profited from the informal matchmaking session to give some tips on how to address successful matchmaking stressing the KISS principle, which is, Keep It Simple and Smart.

4. Main outcomes

The workshop of the 19th of October of 2015 aimed at providing an overview on the origins of ETPs and how they can collaborate with the LATPs. Participants had the opportunity to share their experience, best practices, and the results of their initiatives on TP. The LATPs representatives presented their main fields of work to the ETPs but few identified areas of common interest in order to collaborate between platforms from both regions.

It was evident during the workshop that direct interactions would be difficult build between the ETPs and the LATPs as, abovementioned, not all LATPs are organized through thematic areas/axes as the European ones. Only Brazil and Uruguay TPs envision EU-CELAC cooperation besides national priorities.

The presentations from ETPs (NEM, NESSI and Networld2020) made relevant the importance of international cooperation given the nature of the research topics and the overview of varied mechanisms to stimulate the cooperation between ETPs and LATPs to bridge the distance between the two regions.

It is, therefore, of great importance that LATPs work towards the definition of thematic axes for their national and international agenda, in order to facilitate a matchmaking process in the future.

Due to the evident differential between the maturity stage of LAPTs and ETPs (and the observable willingness for cooperation from both parts) ALCUENET should play a very important role as facilitator for the building of partnerships on ICT TPs between bi-regional stakeholders.

Future actions should develop, firstly, around the definition of thematic areas for all the TPs in both regions and, secondly, discussions should be held between LAPT and ETPs for each of the thematic priority areas, creating a more focused approach in areas of mutual interest and adding value in jointly addressing these issues and encouraging global acceptance of common roadmaps. With this structure it can be achieved a far more effective and oriented effort to foster collaborative work and activities that, eventually, will culminate in concrete initiatives and concrete projects.

Taking into account the presentations made by the platforms representatives the following areas/topics could already be matched between LAPT and ETPs, as in the example in the table below.

Thematic area	LATPs	ETPs
Big Data	MSF – Argentina BraFip – Brazil MTP - Mexico	NESSI
Future Internet	BraFip – Brazil	Networld2020
Software and Services	MTP – Mexico PTU - Uruguay	NESSI
Multimedia	MTP – Mexico PTU - Uruguay	NEM
Communications	MTP – Mexico PTU - Uruguay	Networld2020

This exercise is not by any chance complete and ALCUE NET should foster the efforts to find these correlations in further areas and fields of research.

5. Meeting agenda

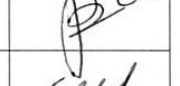
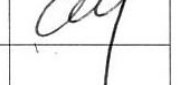
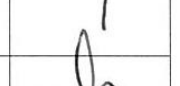
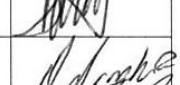
Monday, October 19, 2015	
8:30 – 9:00	Registration
9:00 – 9:10	Welcome - Objectives of the workshop and expected results FCT (Portugal) CONICYT (Chile) CONECTA 2020
9:10 – 9:30	Tour de table Participants' presentation to endorse networking
SESSION I: EU projects for supporting ALCUE on ICT	
9:30 – 9:45	ALCUE NET Project SOM ICT Working Group, CONICYT (Chile) - Brief on the project - Current ICT focus for LAC - Brief on the ICT SOM Working Group
9:45 – 10:00	CONECTA2020 Carmen Agüero, Project Coordinator, Instituto Tecnológico de Estudios Superiores de Monterrey - Overview of the State of the Art on Latin American Platforms - A strategy proposal for cooperation of LATPs with the EU in Horizon2020
SESSION II: National ALCUE and EU perspectives	
10:00 – 10:25	Research Potential and Experiences from new Latin American LATPs. PTCR – <u>Costa Rican Technology Platform</u> Oscar Gamboa, Instituto Tecnológico de Costa Rica PTU – <u>Uruguayan Technology Platform (MTP)</u> Luis Amil, Asociación de informáticos del Uruguay
10:25 – 11:00	Research potential and main priorities of LATMs (5' each) BraFip – <u>Brazilian Technology Platform</u> Jose Antonio Antonioni MACHI – <u>Chilean Technology Platform</u> Francisco Mardones, GECHS MTP – <u>Mexican Technology Platform</u> Jorge Buitron, Consejo Nacional de Clústeres de Software y Tecnologías de Información PLATA – <u>Argentinian Technology Platform and Industry clusters</u> Maria Alejandra Davidziuk, MINCYT, Argentina RECIIF – <u>Colombian Technology Platform</u> José Jaime Gómez Curdis, Medios&Soluciones Holding Group

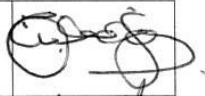
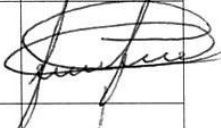
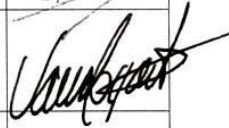
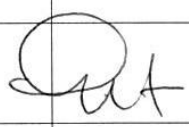
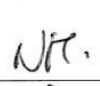
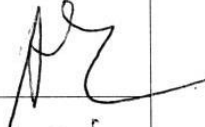
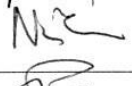
11:00 – 11:20	Coffee break
11:20 – 11:45	The EU perspective - International Cooperation with Latin America (10' each) Views and interest from NEM Jesús Santamaría, TecNALIA Views and interest from NESSI Ernestina Menasalvas, Universidad Politécnica de Madrid Daniel Sáez, Instituto tecnológico de Informática (ITI) Views and interest from NetWorld 2020 Pedro A. Ruíz, IntegrasyS
11:45 – 12:15	Analysis of opportunities for cooperation between ETPs and LATAMs Tonny Velin, Contact Point ETPs for LATAM, CEO ANSWARE
SESSION III: EU-LAC FUNDING OPPORTUNITIES in ICT research AND INNOVATION	
12:15 – 12:30	Funding Opportunities for trending ICT topics in HORIZON 2020 and European Instruments - The PPP initiatives and SMEs instrument in HORIZON 2020 Fernando Martín, Spain ICT National Contact Point (NCP) - ERANet-LAC 2015 call – ICT Topics CONICYT (Chile)
12:30-12:45	Future internet - FIWARE Luis Ignacio Vicente del Olmo , Telefónica de España Álvaro de Oliveira, Alfamicro, Portugal
12:45-13:00	Questions and answers
13:00-14:00	Lunch
SESSION IV: RECOMMENDATIONS FOR THE SOM	
14:00 – 14:15	Areas for EU-LAC cooperation on ICT identified in LEADERSHIP Yolanda Ursa, INMARK, Leadership Project Coordinator
14:15 - 14:20	The ICT SOM Working Group - Thematic report for the next SOM (November 2015) CONICYT (Chile) VTT (Finland)
14:20 – 14:30	Wrap-up and closing of the workshop (family photo) FCT (Portugal) VTT (Finland)
CLOSING SESSION – Matchmaking event	
14:30 – 14:45	Tips for a successful matchmaking Almudena Carrero, FECYT/MINECO
14:45 – 15:30	Informal matchmaking (with coffee break at 15h)
15:30 – 16:00	Guided visit to the Communications Museum

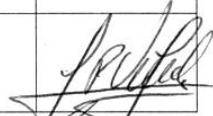
6. Participant list (signed list scanned)



ALCUE NET and CONECTA 2020 ICT Technology Platforms Workshop Connecting European and Latin American Technology Platforms

Surname	Name	Institution	Signature
Acevedo	Cuauhtémoc	LEILAC, StratSolutions SA de CV, Mexico	
Agüero	Carmen	Tecnológico de Monterrey (ITESM), México	
Amil	Luis	Asociación de informáticos del Uruguay	
Antonioni	Jose Antonio	SOFTSUL - Associação Sul-riograndense de Apoio ao Desenvolvimento de Software, Brazil	
Buitron	Jorge	Consejo Nacional de Clústeres de Software y Tecnologías de Información, México	
Cabrera	Miguel	UNT, Argentina	
Cabrera	Miguel Ángel	Universidad Nacional de Tucuman, Director del Laboratorio de Telecomunicaciones de la FACET-UNT, Argentina	
Carrero Escribano	Almudena	Fundación Española para la Ciencia y la Tecnología (FECYT), Spain	
Castaño	Mario	CINTEL, Colombia	
Climent Blasco	Juan Francisco	Ministry of Economy and Competitiveness (MINECO), Spain	
Davidziuk	Maria Alejandra	Ministerio de Ciencia, Tecnología e Innovación Productiva (MINCYT), Argentina	
Del Castillo	J. Fausto	Grupo Sesicomp, Mexico	
Fernández	Alejandro F	Universidad Nacional de La Plata, Laboratorio de Investigación y Formación en Informática Avanzada (LIFIA), Argentina	
Gamboa	Óscar	Instituto Tecnológico de Costa Rica	
Garcia	Dennis	CINTEL, Colombia	

Garcia	Trinidad	National Commission for Scientific and Technological Research (CONICYT), Chile	
Gómez Curdis	José Jaime	RECIIF - Multimedia Service - Medios & Soluciones Holding Group, Colombia	
Karosuo	Moirá	National Council for Science and Technology (CONACYT), Mexico	
Lagarto	Vasco	TICE, Portugal	
Maia	Maria	Fundação para a Ciência e a Tecnologia (FCT), Portugal	
Mardones	Francisco	GECHS, Chile	
Marés	Laura Teresita	Secretaria Ejecutiva de RELPE, Red Latino americana de Portales Educativos	
Martín	Fernando	Centre for the Development of Industrial Technology - CDTI, Spain	
Mayer	Roberto	ALETI - ASSESPRO, Brasil	
Menasalvas	Ernestina	Biomedical research center, Universidad Politécnica de Madrid (UPM), Spain	
Moreira	Nuno	Fundação para a Ciência e a Tecnologia (FCT), Portugal	
Oliveira	Álvaro	Alfamicro, Portugal	
Rilla	Nina	Technical Research Centre of Finland (VTT), Finland	
Ruiz	Pedro A.	Integrasy, Spain	
Sáez	Daniel	Instituto Tecnológico de Informática (ITI), Spain	
Samuels	Ayanna T.	CaribbeanScience Foundation, Jamaica	

Santamaría	Jesús	Tecalia, Spain	
Taboada	Alfredo	Cámara de Comercio de Lima, Peru	
Torrado	Sandra	Advisor, Ministry of Industry, Energy and Mining, Uruguay	
Torres	Hector	ProteinLab (Universidad Tecnológica Metropolitana), Chile	
Ursa	Yolanda	Inmark, Spain	
Valencia	Mario Enrique	Administrative Department of Science, Technology and Innovation (Colciencias), Colombia	
Velin	Tonny	Answare, Spain	
Vicente	Luis	Telefónica, Spain	
Viñuela	Juan	EPSSILON NETWORKS, Chile	

Rieth Susana, CMA, Reznice

Sandeva) Aaron, CONACYT

Dickson Roray, JAMICA



7. Event pictures





