Fostering Argentinian Academy in ITU

CBS 2016 "Embracing Capacity Building Opportunities in the Digital Era"

6 to 8 September 2016 - Nairobi, Kenya

~ Juan Pablo Martín, Universidad Tecnológica Nacional

Argentinian Project

Aims to foster the participation of Research Institutions and Universities in the three ITU Sectors.

Ente Nacional de Comunicaciones
Ministerio de Comunicaciones
Presidencia de la Nación

Unique experience in the world

Objectives

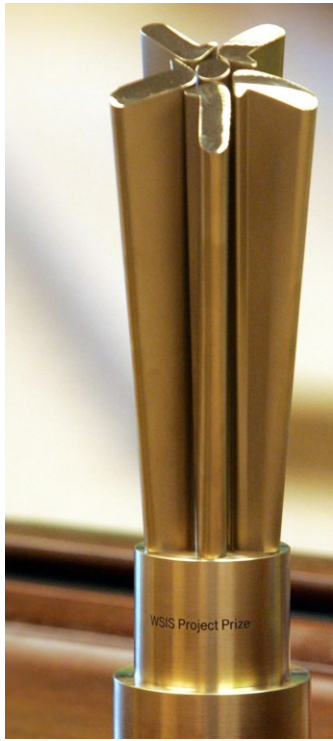
- Empower human capacities.
  - Highly specialized in ICT.
- Enhance and facilitate the activity of Argentine academic sector in developing standards within the Union and help strengthen the activities of the ITU.
- Develop partnerships between academic and research institutions with other stakeholders in the ICT sector.
- Train specialized professionals with profiles suitable for insertion into the National State structure.

Project's Milestones

- 24 Universities (with 35 Schools) registered.
- +140 professionals participating in ITU activities.
- 5 professionals have participated in World Radiocommunication Conference 2015 (WRC15).
- 33 professionals have participated in person at meetings of ITU Study Groups and Working Parties in Switzerland, United Kingdom, Canada, Germany and New Zealand.
- Consolidation of a coordination structure at International Affairs Area of Ministry of Communication.
- La Plata University was selected as an ITU's Center of Excellence for America Region in Cibersecurity.

Project's Results

- World Summit on the Information Society 2016 Winner.
- Kaleidoscope 2015 special mention to Instituto Universitario Aeronáutico, for their paper "Vulnerability of Radar Protocol and Proposed Mitigation".
- Special mention to Facultad Regional Resistencia for the project "Smart Doorbell: an ICT Solution to Enhance Inclusion of Disabled People".
- Professionals editors of new standards.
- UNLP won Champion's prize of WSIS 2016 for the project "E-Basura: enfoque ecológico en la era digital".



Who we are?

"Grupo de Investigación de Comunicaciones (GICom)"

Communications Research Group

- Created in 2015
- Integrated by advanced electronics engineering students

ITU-T Participation

Participated in FG AC
(Focus Group on Aviation Cloud)

- Co-editors of 3 output reports.
- Leaders of final report of the group with recommendations and conclusions.

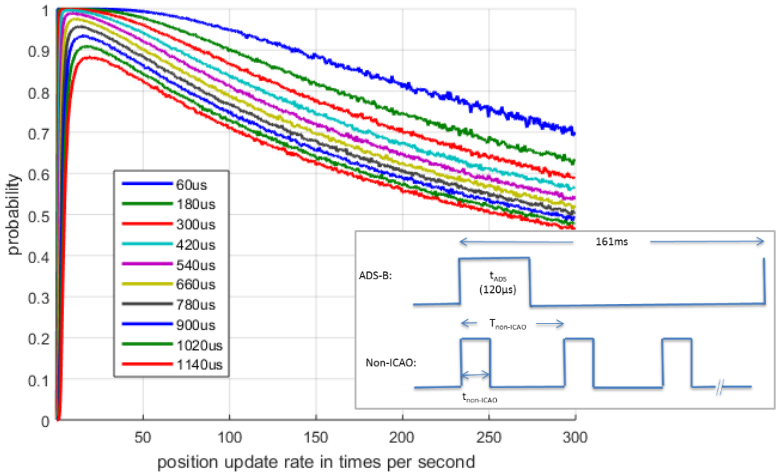
Participated in ITU-T SG20
(IoT & Smart Cities)

- Actually researching on wearable technologies

ITU-R Participation

Participated in Working Party 5B
(Aeronautical and Radiodetermination Service)

- Two contributions were presented.
  - Simulators for spatial ADS-B feasibility analysis.
    - Included in ITU ADS-B Report



- Results of research also published in journal.

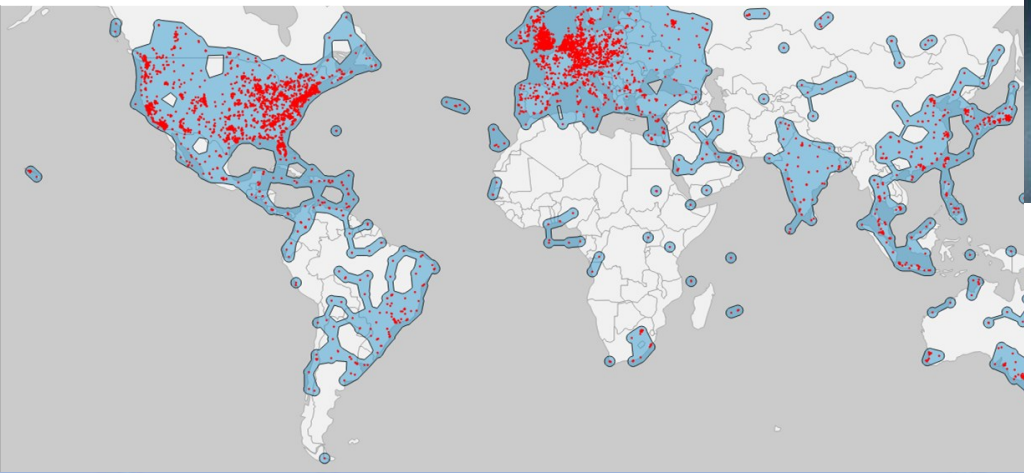
ITU-R Participation

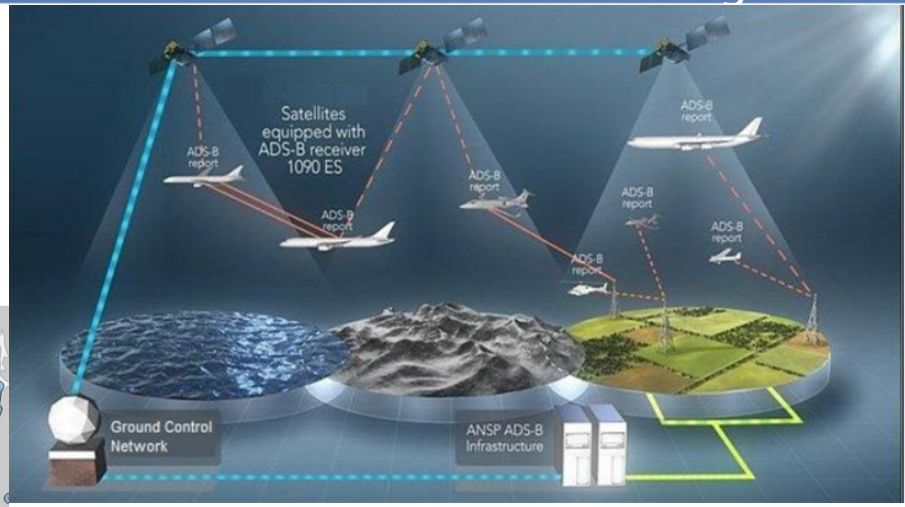
Participated in Working Party 5B
(Aeronautical and Radiodetermination Service)

- Participation in the World Radiocommunication Conference 2015.
- Relations/discussions with international experts.
- Involved in reaching consensus based on studies presented.

ITU-R Results

Global Flight Tracking (GFT)





WRC 15:

International agreement to track civil aircraft by satellites

July 2016 → first implementation

Key Points

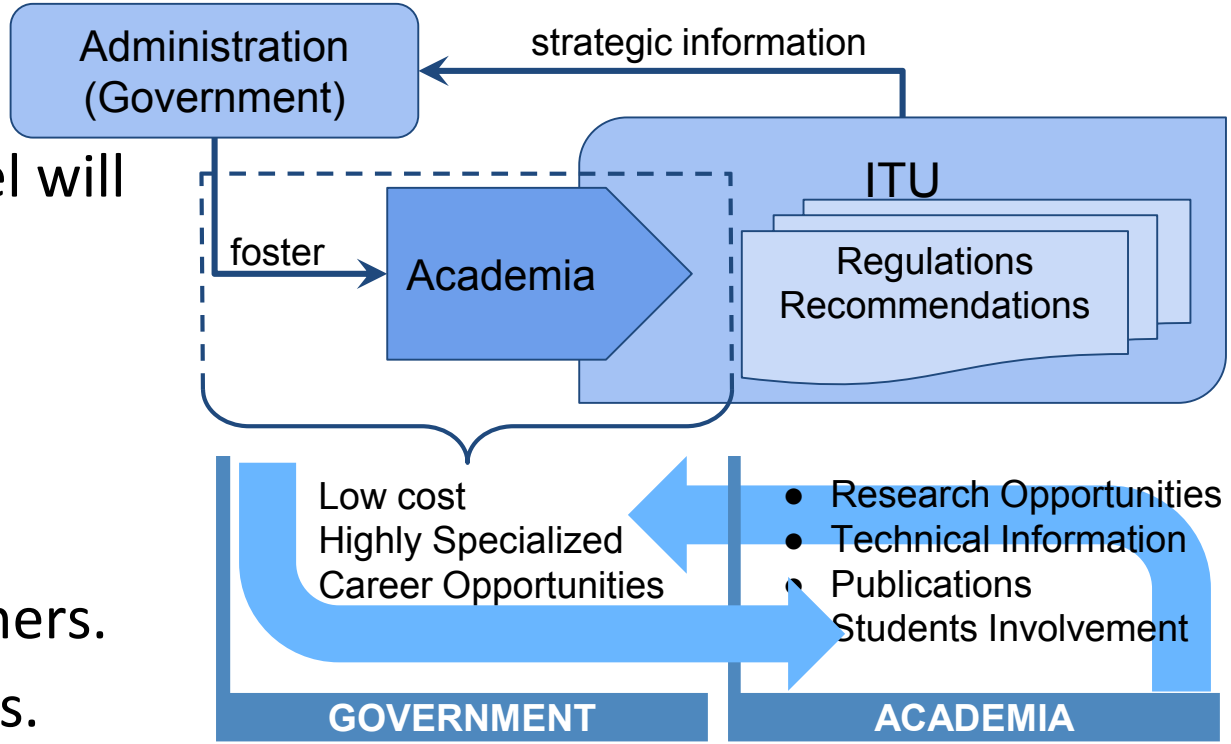
At GICom we are...

… hopping that this model will be replicated.

… willing to exchange information and receive questions.

… eager to assist newcomers.

… sharing our publications.



Thank You

GICom - Grupo de Investigación de Comunicaciones (CRG - Communication Research Group)

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