_ **TELECOM** ESCUELA
TÉCNICA **VLC** SUPERIOR
DE **UPV** INGENIEROS
DE TELECOMUNICACIÓN

UNIVERSIDAD
POLITECNICA
DE VALENCIA

SUSCOMTEC

Improving Student Competences through the ERASMUS Intensive Programmes:

A Case of the SUSCOMTEC Project

Felipe L. Peñaranda-Foix

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- ¿What is an IP?
  - " *… **a short course curriculum that lasts from ten days up to six weeks**. The participants, teachers and academics, should come from at least three different countries and at least one of them should be member of EU. **An IP theme should be innovative** and not contained within the undergraduate course curriculum of the partner Institutions. The appropriate number of ECTS credits is awarded according to the student workload*"

- Important points:
  - Novelty
  - Complementarity between the participants
  - Reasonable duration (2 weeks in our case)

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- When did it start?
  - In 2004 ESM (European Students Meeting) was born
  - ESM editions:
    - Gyor (2004)
    - San Petersburgo (2005)
    - Leipzig (with the topic "Next Generations Network", in 2006)
    - Lille (with the topic "Optical Telecommunications and Mobile Telecommunications" in 2007)
    - Zilina (also with the topic "Optical Telecommunications and Mobile Telecommunications" in 2008).
    - Sofía (with the topic "Optical Telecommunications" in 2009)
    - Gyor (with the topic "Telecommunication and ICT management" in 2010)
    - Opatija (2011)

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- IP-SUSCOMTEC application
  - Partners:
    - 1) University of Zagreb
    - 2) HfT Leipzig
    - 3) University of Debrecen
    - 4) Technical University of Košice
    - 5) University P.J.Safarik, in Košice
    - 6) University of Oradea
    - 7) HCTP, Sofia
    - 8) Telecom Bretagne
    - 9) Telecom Lille
    - 10) Dublin Institute of Technology
    - 11) Széchnyi István University
    - 12) University of Zilina
    - 13) Universidad Politécnica de Valencia
    - 14) Technical University of Sofia
    - 15) St. Petersburg State University of Telecommunications

Spain

Slovakia   Romania

Ireland   Russia

Hungary   Bulgaria

Germany   Croatia

France

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- IP proposal-SUSCOMTEC
  - Steering committee:
    - HfT Leipzig
    - Széchnyi István University
    - Universidad Politécnica de Valencia
  - Application discussed and approved by the partners in March 2011
    - Title: *INTERCULTURAL KNOWLEDGE TRANSFER IN ENGINEERING FOR A SUSTAINABLE GLOBAL ICT COMMUNITY*
    - Proposed places:
      - 2012: Valencia
      - 2013: Debrecen (Hungary)
      - 2014: Sofia
  - IP approved in July 2011

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- ## SUSCOMTEC numbers:
  - ### May 2012: Valencia

Students	Lecturers	Invited local lecturers	Aprox. Budget
60	19	5	38000€

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- SUSCOMTEC numbers:
  - May 2013: Debrecen

Students	Lecturers	Invited local lecturers	Aprox. Budget
49	19	5	28000€

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- ## SUSCOMTEC numbers:
  - April 2014: Sofia

Students	Lecturers	Invited local lecturers	Aprox. Budget
40	15	5	26000€

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- Contents
  - Technical visits
    - Valencia: UN facilities
    - Debrecen: Antennas for broadcasting, IT Systems, National Instruments and University Supercomputer
    - Sofía: Liebherr
  - Turistic vistis
  - Valencia: City Hall, guided visit to Valencia and Oceanográfic (aquarium)
  - Debrecen: City Hall, guided visit to Debrecen, a National Park and water facilities
  - Sofia: Guided visits to Sofia and Plovdiv

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- Contents
  - Group work
    - Groups of 4 or 5 students
    - One topic per group
    - Work group started about 4 weeks before the event
  - Invited talks
    - Local Police and City Hall in Valencia
    - TELEKOM talks: Sustainability at Deutsche Telekom
    - IT SYSTEMS talks
    - Telefónica talk: Green ICT in Telefónica
    - Talk and work about enterpreneurship
    - Talk about "*CSR and sustainability-an strategic approach*"
  - Multiculturality work

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- Contents
  - Technical talks
    - Sustainable computing
    - Social networking as enabler of social responsibility and sustainability
    - Intercultural Communication
    - Sustainability in ICT: traffic/energy reduction
    - Quo Vadis Mobile Networking
    - Next-Generation Networks (NGN): IP Multimedia Subsytem (IMS) Architecture
    - Selected technological trends in communication networks facilitating their sustainability
    - Microwaves made sustainable
    - 3D Optical Data Storage
    - …

THE FUTURE

- New EU frame: ERASMUS+
  - KEY ACTION 1: MOBILITY OF INDIVIDUALS
    - Staff mobility
    - Students mobility
    - Mobility for Joint Masters
    - HE mobility for EU students and third countries
    - Young people Exchange
  - KEY ACTION 2: COOPERATION FOR INNOVATION AND THE EXCHANGE OF GOOD PRACTICES
    - ***Next slide***
  - KEY ACTION 3: SUPPORT FOR POLICY REFORMS
    - Knoledge about the education field
    - Initiatives to help the EU policies
    - Support to the EU tools
    - Support of policy promotion, international meetings, etc.

THE FUTURE

- ## New EU frame: ERASMUS+
  - KEY ACTION 2: COOPERATION FOR INNOVATION AND THE EXCHANGE OF GOOD PRACTICES
    - Strategic partnerships in the field of education, training and youth
      - » *Developing basic and transversal skills*
      - » *Enhancing digital integration in learning, teaching, training and youth work at various levels: promoting access to and learning through Open Educational Resources (OER); supporting ICT-based teaching, training and youth work, as well ICT-based assessment practices*
    - Informatic platforms (EYP, e-Twinning, EPALE)
    - Cooperation with EU countries to enforce the capabilities

InnoSoc
Innovative ICT Solutions
for the Societal Challenges

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