

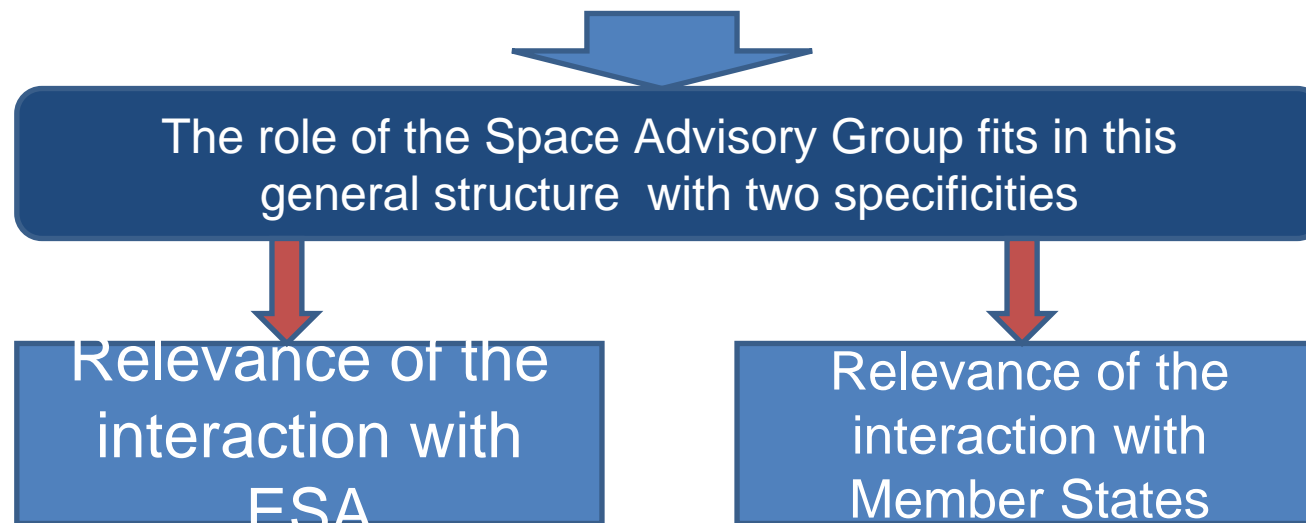
# Overview of “Space Advisory Group”

Gonzalo León

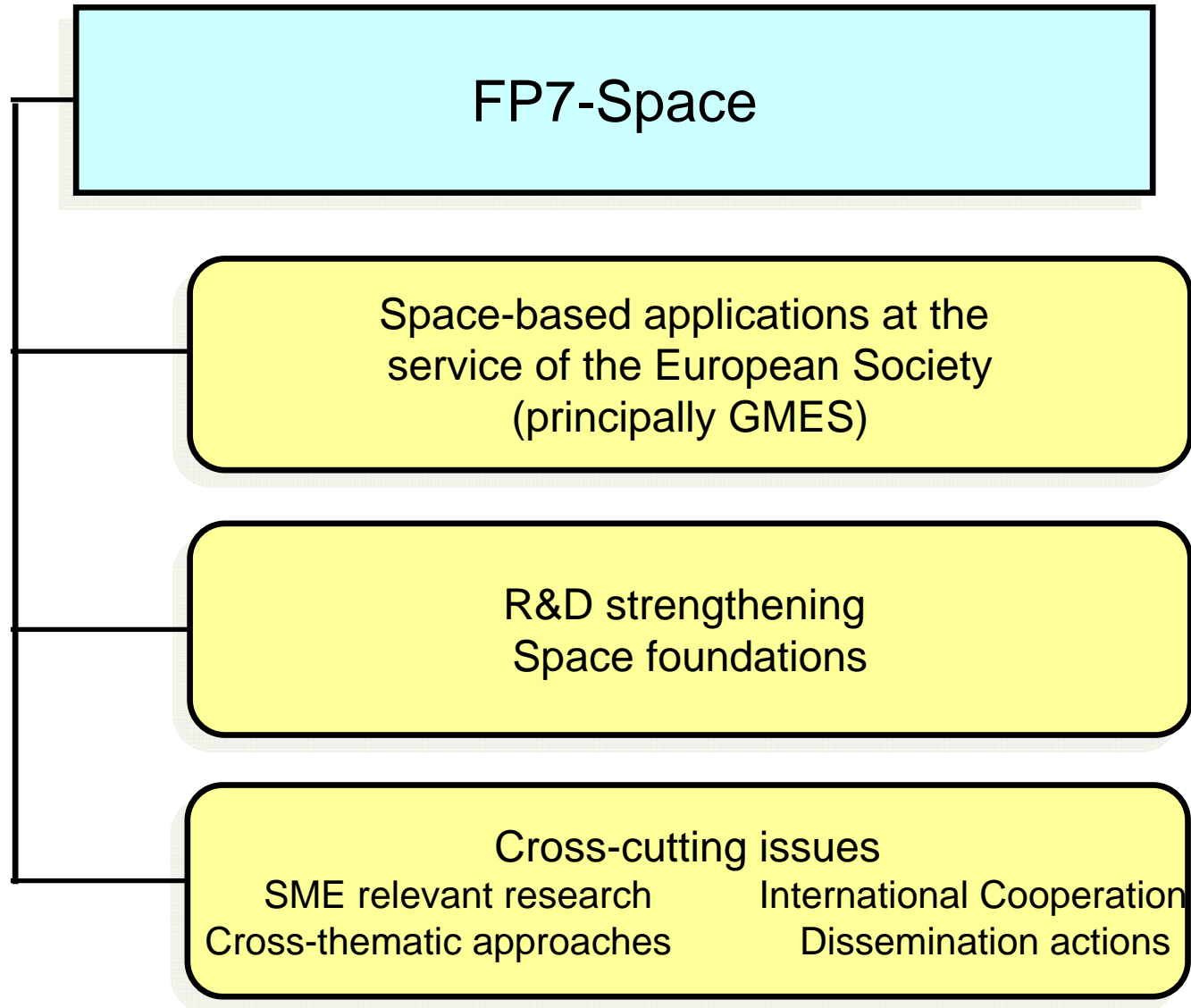
Universidad Politécnica de Madrid  
Vicepresidente del SAG

# The role of Advisory Groups

- An independent expert voice:
  - To support the Commission's activities and strategy
  - To give feedback on work programmes
  - To give feedback on FP calls results
  - To identify future trends in research
- ... but its function is not to overlap with Programme Committees or external assessments groups



# Priorities for FP7



# Composition

<i>Name</i>	<i>Organisation</i>
BELL, Mike	
BUSZKE Bartosz	
DE BERNARDINIS, Bernardo	Italian National Civil Protection Agency
FUCHS Marco	OHB-System AG,
GAUBERT, Alain	Eurospace
GHIRON,	Wallonia Space
HAERENDEL, Gerhard	Max Planck Institute for Extraterrestrial
KAMOUN, Paul	European Association of Remote Sensing Companies
LEBEAU, André	Retired (formerly CNES, France)
LEON, Gonzalo	VicePresident, Technical University of Madrid
MOHR Tillman	Retired (formerly EUMETSAT)
PINARDI, Nadia	Italian National Institute for Geophysics and Volcanology
ROSA Pedro	NAV, Portugal
RYDER, Peter	EuroGOOS
SANDEN, Marta	President (Kista, Sweden)
SCHMULLIUS, Christiane	Friedrich-Schiller-University of ,
THIELE, Gerhard	European Space Agency
TULUNAY, Yurdanur	Middle East Technical University, Turkey
VISO, Anne-Catherine	French National Agency for Environmental and Occupational Health Safety

# Activities

- **Meeting 1:** 28 September 2006
  - Constitution
  - General discussion on Space research in FP7
  - Discussion on SAG mandate
- **Meeting 2:** 9 November 2006
  - Election of SAG Chair and Vice-chair
  - Discussion on work programme for 2007
- **Meeting 3:** 13 February 2007
  - Coordination with ESA
  - ESA Space components
  - Data Buy

# Activities (Meeting 2)

- **General**
  - Reminder of SAG mandate and associated rules
  - Nomination of SAG Chair and Vice-Chair
- **Space work programme and discussion**
  - Priorities for first call
  - Refine priority areas for Strengthening Space Foundations part
  - Further preliminary discussion on “Data Buy” scheme
- **GMES**
  - Lessons learnt from the Galileo experience?: *P. Rosa*
  - Regions initiative
  - Role of Eumetsat
  - Preliminary exchange on ways of funding Space Component through ESA

# Activities (Meeting 3)

## Draft agenda

- **General**
  - Report on opening of FP7 calls
- **Coordination with ESA on Critical Technology and Transportation**
  - Presentation by ESA on current research activities in the area of technology and transportation
  - Discussion on ways to ensure complementarity of critical technology and transportation part of 1<sup>st</sup> call with respect to ESA's research programmes
- **Data Buy and GMES Space Component**
  - Presentation by ESA on the status of the GMES Space Component and access to data
  - Preliminary discussion on the Data Buy proposal to be submitted by ESA in response to the 1<sup>st</sup> FP7 call
- **Space Policy**
  - Overview of current status of European Space Policy

# SAG Priorities in 2007

- Elaboration of a position on the relationships between ESA and FP7
  - What is the best way to organise the interaction ?
  - How to control and distribute responsibilities ?
- To clarify priorities in space foundations
  - What is the best way to allocate funding to priorities
- To know and assess complementary activities promoted by Member States on GMES and space basic research
- To discuss work programme for 2008



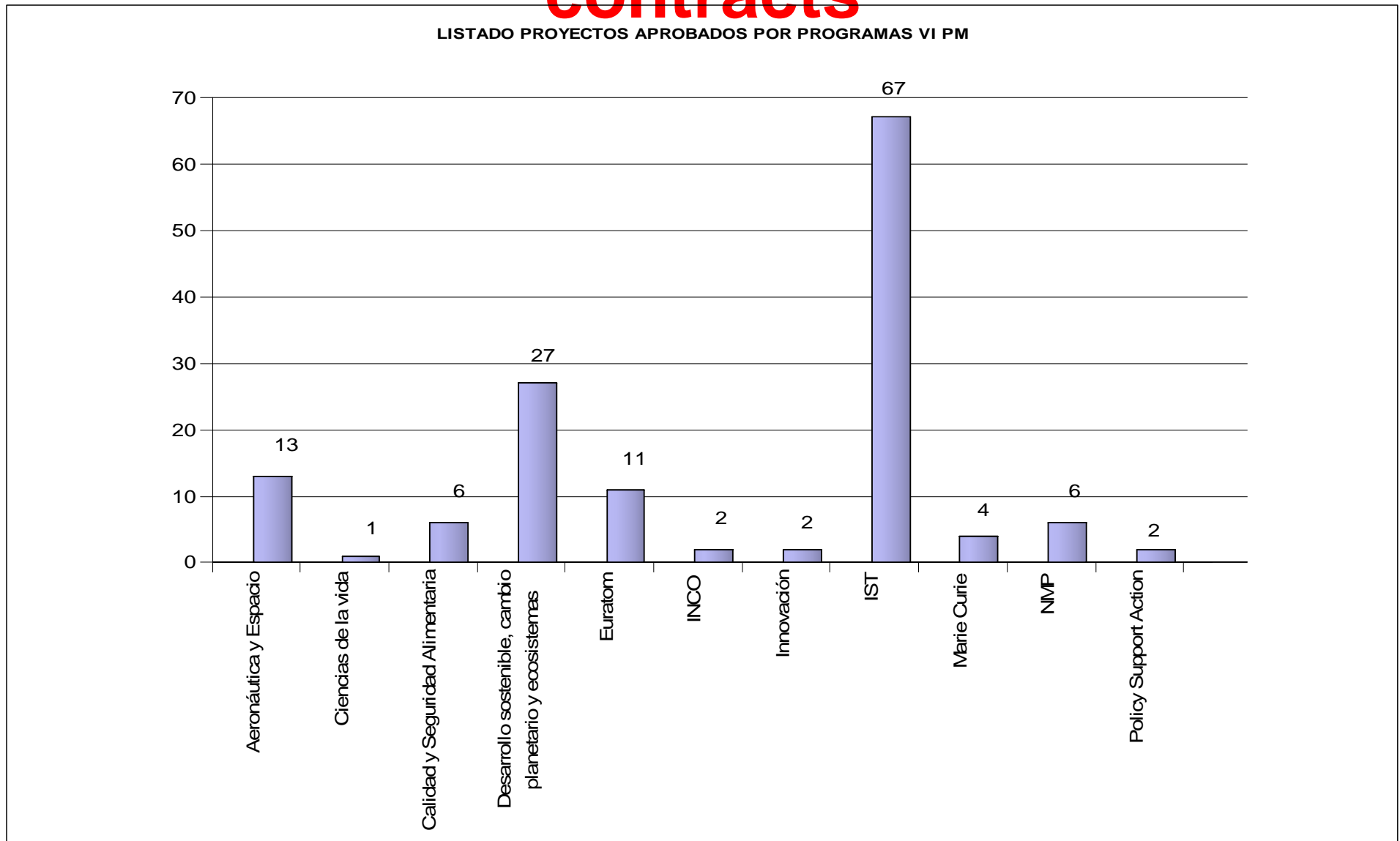
# **A perspective from Spanish universities**

Space research and  
the UPM

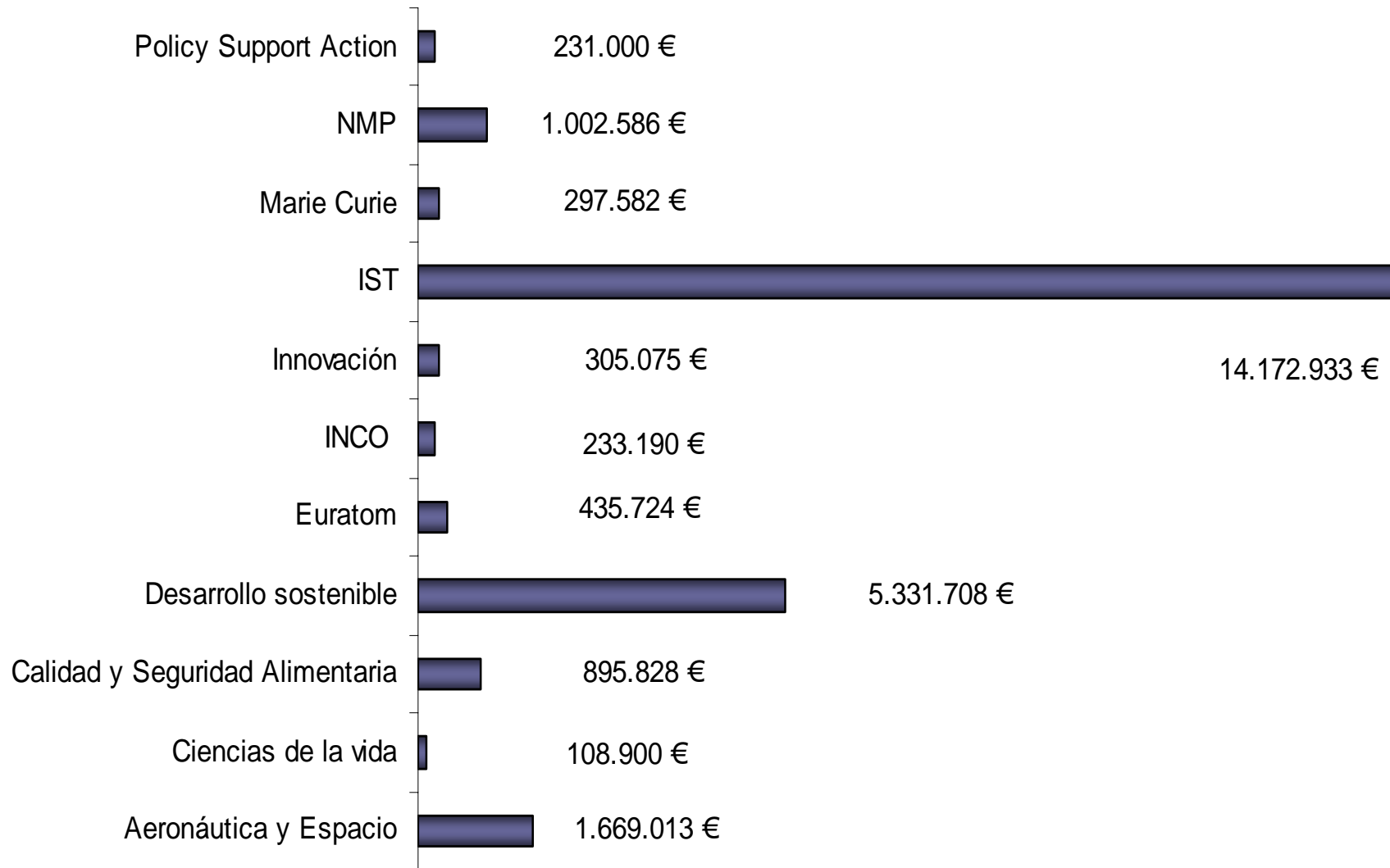
# A perspective from UPM

- Research on space is firmly anchored in our priorities and capabilities
  - International, industry-driven,
  - FP and ESA funding
- Some specific research structures related to space
  - Research Institute of Microgravity
  - USOC (control of ISS experiments)
- Some results in FP6
  - 141 contracts
    - 50% on IST
  - 25,5 M€

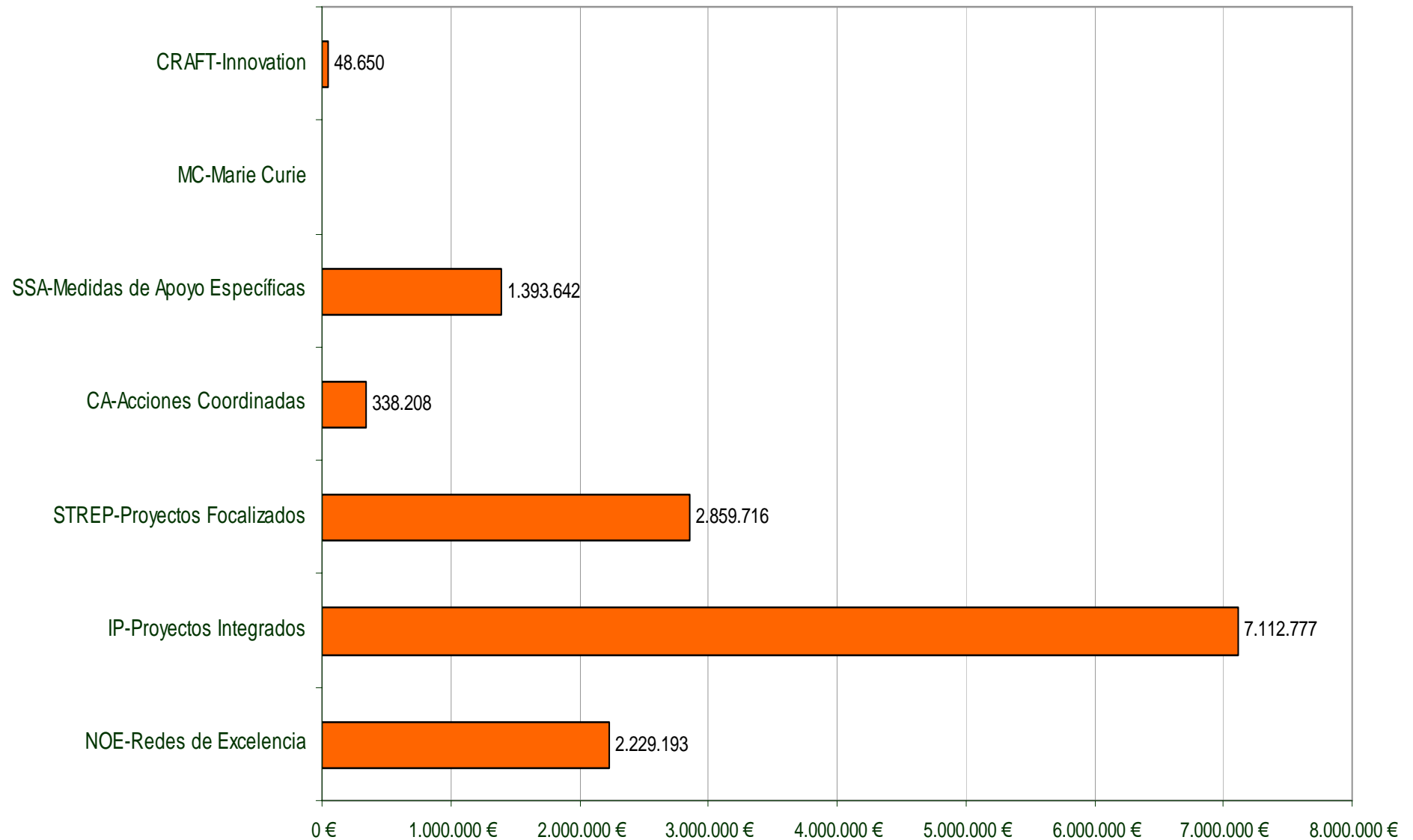
# Thematic distribution of FP6 contracts



# Thematic distribution of funding



# Distribution of FP6 instruments



# UPM Opportunities for FP7-Space

- Space priorities on GMES are closely linked to service creation
  - Strong support for new services
  - Strong influence on IST
- Synergies with other areas:
  - Galileo + GMES
  - Telecom services
  - Software technologies
  - Semantic web and databases
  - Intelligent ambiance

Telecom

Aero-  
Space

Industrial  
electronics

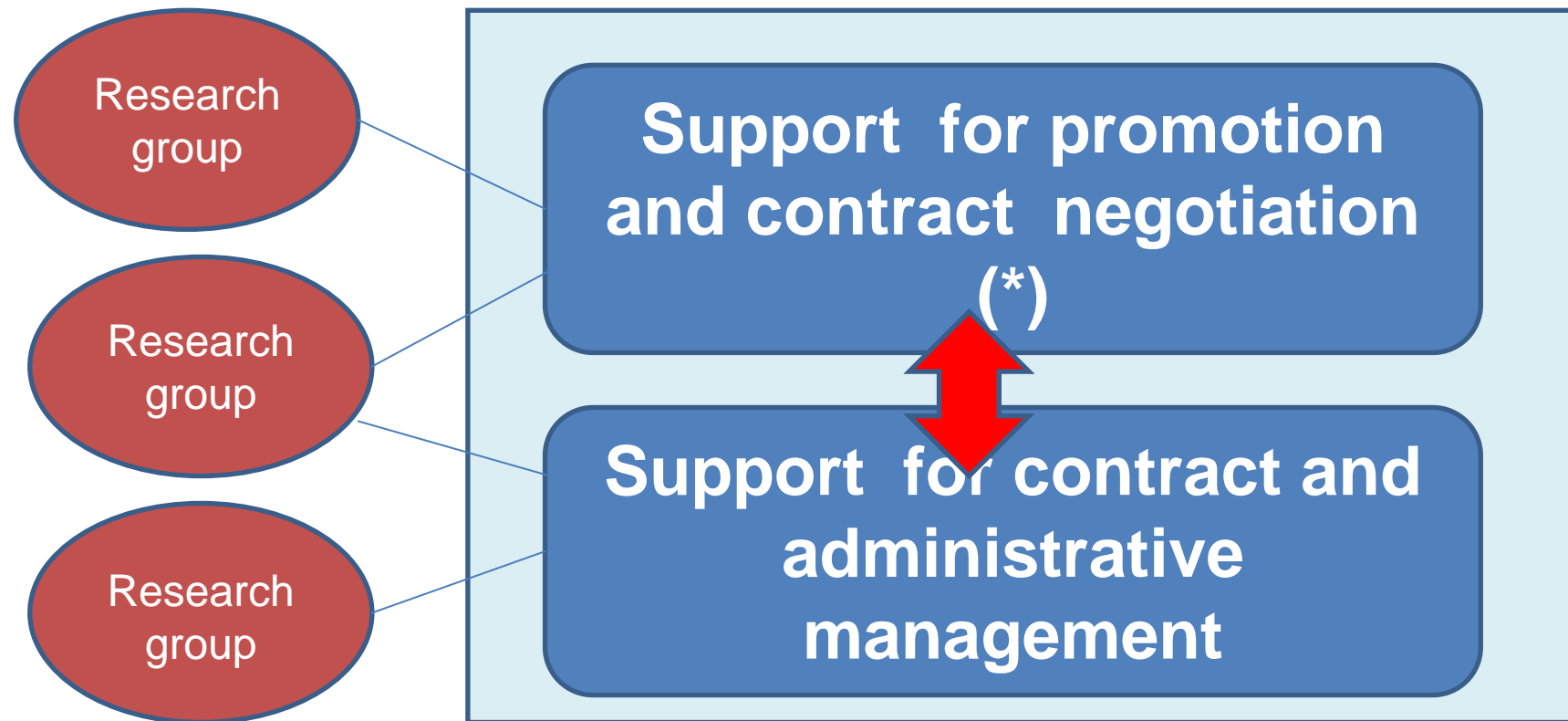
Energy

Software

# UPM current projects with ESA

TÍTULO	INVESTIGADOR	CENTRO
MESAP	M <sup>a</sup> Teresa Arredondo	ETSI Telecomunicación
GAPMSS: Global Archive of Propagation Measurements for SatCom System	Santiago Eibe	Facultad de Informática
Standard Test Suite Elaboration and Application for Compilers and Kernels	Juan Antonio de la Puente	ETSI Telecomunicación
Implementation of the FRC for the Columbus multi-user Facilities. CCN3	José Meseguer	ETSI Aeronáuticos
Ariadna-Electrodynamic tether microsats at the giant planets	Juan Ramón Sanmartín	ETSI Aeronáuticos
Demonstration Model of a Reflectarray for Telecommunication Antenna	José Antonio Encinar	ETSI Telecomunicación
ASSERT (VPM con ESA)	Juan Antonio de la Puente	ETSI Telecomunicación
ESTEC: OWDT: Optical Wireless Data Transmission	Franciso J.López	ETSI Telecomunicación
ESTEC: Optical Wireless Intra-Spacecraft Communications	Francisco J.López	ETSI Telecomunicación
ESTEC: SPU.EP: Development of Specific testing Equipment & Methodology for Sputtering Behaviour Characterization of Materials for Electric Propulsion	Eduardo Ahedo	ETSI Aeronáuticos

# Structure for improving the participation (Office for International Projects)



**Expected support from the EUROCIENCIA INITIATIVE**