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## FISI

### D.5.4.2.1 Dissemination Report

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#### ***Abstract***

This deliverable contains the report on dissemination activities conducted during the first period of the FISI project following the dissemination plan defined by WP5 of the FISI project, where the main activities and target bodies of FISI were identified.

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## Executive summary

This deliverable contains the report on the dissemination activities performed during the first reporting period of the FISI project. The main aspects covered by this document are:

- Operation of the ISI ETP including providing support to ISI SC and ISI GA in the organization of meetings and audio conferences.
- Management of ISI membership and ISI governance rules, as well as the implementation of these governance rules.
- Elaboration of newsletters.
- Development and implementation of the ISI communication strategy, which includes.
  - The production of press releases, and other promotional messages
  - Support of conferences relevant for the ISI
  - Monitoring of interesting fora and public/private sectors relevant for ISI
  - Liaisons with other projects/conferences/organizations for joint promotional efforts

After 7 months of activity (Most of the WP5 activities were initiated in M5) the status of the implementation of these activities in very advanced and frequently overcoming the expected results.

## List of authors

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# 1 Introduction

WP5 aims at providing support to ISI promotion activities. In particular, the specific activity lines of WP5 are:

- To carry out the necessary activities for the normal **operation of the ISI ETP**, acting as the formal Secretariat of the ISI ETP. This task includes providing **support to ISI SC and ISI GA** by drafting agendas, minutes of the meetings and organization of the audio conferences.
- To manage the **ISI membership, ISI governance rules**, as well as the implementation of these governance rules.
- Elaboration of regular **newsletters**.
- Develop and update the **ISI communication strategy** and provide support to ISI to foster ISI representation at relevant meetings and fora.

In this framework, this document reports on the dissemination activities performed in each one of the previous aspects set up by the FISI dissemination plan to accomplish the work package objectives in order to fully promote ISI both among its membership and towards the “external world”. The following bullet points summarize the main outcomes and results of the activities that have been performed during the first period of FISI:

- Support to **ISI operations (M5-M12)**:
  - Support to **events organization**: During this period (M5-M12) FISI has supported ISI in the organization of 7 ISI SC conference calls, 2 dedicated conference calls for specific issues, 1 ISI SC physical meeting and 1 ISI GA. The arrangements for the next ISI GA and SatCom day (Both to be organized in October 2011) were also initiated during this period.
  - The maintenance of the **ISI constituency database** and mailing lists: **3 new members** have been added to the ISI mailing lists in this period.
- During this period (M5-M12) FISI has supported and coordinated the **election process for ISI WGs leaders** as well as an important modification of the ISI WGs structure, which implied the **update of the ISI governance rules** (Following the decisions and mandates from ISI constituency agreed in the General Assembly held in Brussels in November 2010). The elections took place in the ISI GA organized in June 2011 and the result has been a smooth transition from the former WGs structure and leaders to the current one. This task has been active from M5 to M12.
- The production of the **ISI newsletter**: During this period FISI has produced and published the issues 7 and 8 of the ISI newsletter and initiated the production of the issue number 9. Each one of these issues has been distributed to all ISI members and key external stakeholders, as well as made available in the ISI website.
- Implementation of the **ISI communication strategy**:
  - The first version of the **ISI communication strategy** was produced by FISI, and it has been reviewed and updated 6 months after its first release taking into account the views and mandates from the ISI General Assembly, the ISI Steering Council and the European Commission.
  - The production of **press releases**, and other promotional messages: During this period FISI has produced 3 press releases.
    - 12<sup>th</sup> ISI GA and third EU SatCom day held on November-December 2010.
    - ETP Sherpa Workshop held on February 18<sup>th</sup> 2011.
    - European forward looking activities: Insights for building the future of Innovation Union and ERA

- **Support of conferences** relevant for the ISI Vision: FISI has supported the organization of the following events and conferences:
  - o ICT 2010.
  - o FIA Ghent 2010.
  - o The FUNEMs Conference.
  - o FP7-CELTICplus proposers' day on 14 June 2011.
  - o The ASMS Conference 2011.
  - o 4th EU SatCom day.
- **Monitoring** of interesting fora and public/private sectors relevant for ISI:
  - o FISI has supported the promotion of ISI through monitoring of interesting fora and public/private sectors of particular relevance and interest. This support has included physical attendance of related events, subscription to several mailing lists, on-line newsfeeder links and newsletters of interesting fora addressing issues of importance to ISI and forwarding of respective useful information to ISI members. Some of the entities that have been monitored are:
    - Future Internet Initiative: Newsletter and attending events organized by the EC.
    - ETSI: Mailing lists, forwarding relevant info to ISI members.
    - ESOA: Attending meetings, forwarding relevant documents from ESOA to ISI members and cooperating in joint ESOA-ISI papers.
    - ETPs (NEM, Net!Works, NESSI): Newsletter, mailing lists and attending events.
- Liaise with other projects/conferences/organizations for joint promotional efforts: FISI has liaised with 7 projects mainly in order to maximize the promotion of ISI beyond EU borders in those regions of major importance for ISI.
  - o FIRST: For the promotion of ISI in the Latin American region.
  - o Synchroniser: For the promotion of ISI in India.
  - o Euro-Africa project.
  - o MUSCADE.
  - o MONET.
  - o E-SPONDER.
  - o φSAT.

## 2 Support to ISI operations

The aim of this task is to provide the ISI secretariat function in respect of organizing meetings for all ISI internal bodies, managing the outcomes of those meetings in terms of minutes and actions and disseminating the results to interested parties.

This task supports the organization of ISI meetings for different ISI internal bodies (namely ISI SC and GA at least), by promoting/facilitating active participation of ISI members and stakeholders. To this end, tight coordination between the ISI secretariat and ISI Chair and Vice-Chair persons, Steering Council and WG leaders has been necessary.

During this period (M5-M12) FISI has supported ISI in the organization of **7 ISI SC conference calls, 1 ISI SC physical meeting and 1 ISI GA**. The following table shows the dates and outcomes of each one of these meetings:

| Events |                        |                                |                    |  |
|--------|------------------------|--------------------------------|--------------------|--|
| #      | Name                   | Date                           | ROSE activities    | Objectives / Ag. points  |
| 1      | ISI SC conference call | January-11 <sup>th</sup> 2011  | Agenda and minutes | <ul style="list-style-type: none"> <li>- Organisation of the GA co located with the FuNEMS</li> <li>- Strategic Research Agenda revision</li> <li>- ISI policy and promotion</li> <li>- XETP Workshop on 18th of February</li> <li>- Comments to "innovation Europe" European communication</li> <li>- ISI response to Public consultation on a possible successor to the Competitiveness and Innovation Framework Programme (CIP)</li> <li>- ISICOM concept consolidation</li> <li>- Identification of new spectrum opportunity</li> <li>- Analysis on Q/V band spectrum opportunity</li> <li>- Implementation of the new WG structure</li> </ul> |
| 2      | ISI SC conference call | February-14 <sup>th</sup> 2011 | Agenda and minutes | <ul style="list-style-type: none"> <li>- Organisation of the GA co located with the FuNEMS</li> <li>- Strategic Research Agenda revision</li> <li>- ISI promotion and policy <ul style="list-style-type: none"> <li>▪ <i>X-ETP Workshop on 18th of February</i></li> <li>▪ <i>Comments to "innovation Europe" European communication</i></li> <li>▪ <i>ISI response to Public consultation on a possible successor to the Competitiveness and Innovation Framework Programme (CIP)</i></li> </ul> </li> <li>- ISICOM concept consolidation</li> <li>- Implementation of the new WG structure</li> </ul>  |
| 3      | ISI SC conference call | March-24 <sup>th</sup> 2011    | Agenda and minutes | <ul style="list-style-type: none"> <li>- Organisation of the GA co located with the FuNEMS</li> <li>- Organisation of the next GA (18 and 19th October 2011)</li> <li>- Strategic Research Agenda revision</li> <li>- ISI promotion and policy <ul style="list-style-type: none"> <li>▪ <i>X-ETP Workshop on 18th of February</i></li> <li>▪ <i>Comments to "innovation Europe" European communication</i></li> <li>▪ <i>ISI response to Public consultation on a possible successor to the Competitiveness and Innovation</i></li> </ul> </li> </ul>  |



|   |   |                             |                    |  |
|---|---|-----------------------------|--------------------|--|
|   |   |                             |                    | <i>Framework Programme (CIP)</i><br>- ISICOM concept consolidation<br>- Implementation of the new WG structure   |
| 4 | ISI SC conference call                    | April-12 <sup>th</sup> 2011 | Agenda and minutes | - Organisation of the GA co located with the FuNEMS<br>- Organisation of the next GA (18 and 19th October 2011)<br>- Strategic Research Agenda revision<br>- ISI promotion and policy <ul style="list-style-type: none"> <li><i>Green paper: xETP contribution, ISI response, ISI position paper</i></li> </ul> - ISICOM concept consolidation   |
| 5 | ISI SC conference call                    | May-10 <sup>th</sup> 2011   | Agenda and minutes | - Organisation of the GA co located with the FuNEMS<br>- Organisation of the next GA (18 and 19th October 2011)<br>- Strategic Research Agenda revision<br>- ISI promotion and policy <ul style="list-style-type: none"> <li><i>Green paper: xETP contribution, ISI response, ISI position paper</i></li> </ul> - ISICOM concept consolidation   |
| 6 | Review of the response to the Green paper | May-16 <sup>th</sup> 2011   | Agenda and minutes | Ad hoc conference call convoked to review the latest version of the ISI response to the Green paper published by the EC.   |
| 7 | ISI SC conference call                    | June-7 <sup>th</sup> 2011   | Agenda and minutes | - Organisation of the GA co located with the FuNEMS<br>- Organisation of the next GA (18 and 19th October 2011)<br>- Strategic Research Agenda revision<br>- ISI promotion and policy <ul style="list-style-type: none"> <li><i>Consultation on Common Strategic Framework (Green paper)</i></li> <li><i>ICT xETP innovation agenda</i></li> <li><i>Consultation on the Revision of the community guidelines for state aid in deployment of broadband networks</i></li> <li><i>Consultation on future research challenges in the communication networks area</i></li> </ul> - ISICOM concept consolidation |
| 8 | ISI SC physical meeting                   | June-15 <sup>th</sup> 2011  | Agenda and minutes | - Organisation of the GA co located with the FuNEMS<br>- Organisation of the next GA (18 and 19th October 2011)<br>- Strategic Research Agenda revision<br>- ISI promotion and policy <ul style="list-style-type: none"> <li><i>ICT xETP innovation agenda</i></li> <li><i>Consultation on the Revision of the community guidelines for state aid in deployment of broadband networks</i></li> <li><i>Consultation on future research challenges in the communication networks area</i></li> </ul> - ISICOM concept consolidation  |
| 9 | ISI GA in Warsaw                          | June-15 <sup>th</sup> 2011  | Agenda and minutes | 13 <sup>th</sup> ISI GA co located with the FuNEMS Conference  |
|   | ISI Technical session within FUNEMS Conf. | June-16 <sup>th</sup> 2011  | Agenda and minutes | <b>Title for Workshop:</b> Advanced hybrid SatCom-terrestrial networks in response to institutional missions<br><br><b>Abstract:</b> Innovative hybrid SatCom-terrestrial architectures will make possible global, secure and dependable communication to serve  |

|    |                        |                           |                    |   |
|----|------------------------|---------------------------|--------------------|---|
|    |                        |                           |                    | <p>institutional demand in the domain of security.</p> <p>This session will provide a comprehensive vision of the main challenges and objectives pursued and requirements of the institutional end users as well as research perspectives at both technology and architecture level to enable progress in system capabilities.</p> <p>In addition, it will highlight the added value of SatCom with respect to terrestrial communications for security needs.</p>   |
| 10 | ISI SC conference call | July-5 <sup>th</sup> 2011 | Agenda and minutes | <ul style="list-style-type: none"> <li>- Organisation of the next GA (18 and 19th October 2011)</li> <li>- Strategic Research Agenda revision</li> <li>- ISI promotion and policy <ul style="list-style-type: none"> <li>▪ <i>Consultation on Common Strategic Framework (Green paper)</i></li> <li>▪ <i>ICT xETP innovation agenda</i></li> <li>▪ <i>Consultation on the Revision of the community guidelines for state aid in deployment of broadband networks</i></li> <li>▪ <i>Consultation on future research challenges in the communication networks area</i></li> </ul> </li> <li>- ISICOM concept consolidation</li> </ul> |

The arrangements for the next ISI GA and SatCom day (Both to be organized in Brussels in October 2011) were also initiated during this period, launching a draft agenda booking the rooms for the events and distributing invitations to key-note speakers.

During this period FISI has also contributed to the maintenance of the ISI constituency database and mailing lists has been having added **3 new members** to the ISI mailing lists in this period.

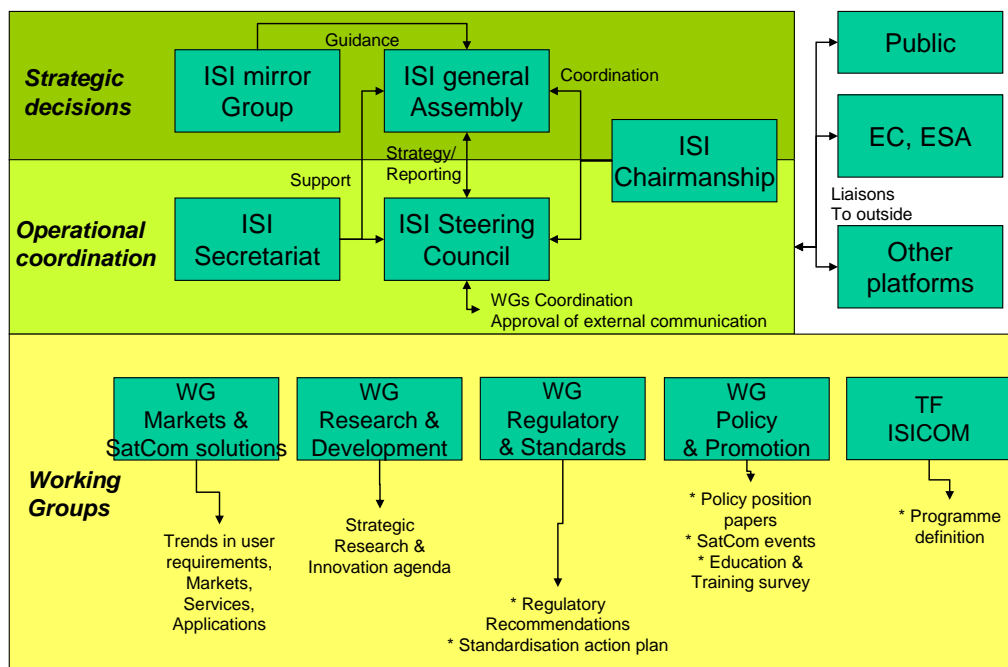
### 3 Support to ISI governance rules

During this period (M5-M12) FISI has supported and coordinated the election process for ISI WGs leaders as well as an important modification of the ISI WGs structure, which implied the update of the ISI governance rules (Following the decisions and mandates from ISI constituency agreed in the General Assembly held in Brussels in November 2010).

#### 3.1 Updating the ISI governance rules

The last revision of the ISI governance rules was undertaken in October 2009 when version 1.8 of the governance rules was presented and approved in the 11<sup>th</sup> ISI GA that took place in Sophia Antipolis (ETSI premises) on November 2<sup>nd</sup> – 3<sup>rd</sup>.

In this case, the ISI community decided at its 13<sup>th</sup> GA (Brussels, November 30<sup>th</sup> 2010) that it was necessary to implement a modification in the WGs structure in order to improve the participation of ISI members in the WGs and to clarify the objectives and responsibilities associated to each WG. A new WGs structure was suggested by the ISI Steering Council and approved by the General Assembly. The new ISI structure is described in the following figure:



ISI members approved the proposed structure which has been implemented during 2011.

FISI has supported ISI by drafting the new version of the ISI governance rules (v2.1) which implements the decisions taken at this GA. More information on this activity can be found in D5.1.1

ROSE has assumed this task as part of its responsibilities as ISI secretariat. The updated version of the ISI governance rules will be officially presented and approved at the 15<sup>th</sup> ISI GA on October 18<sup>th</sup> 2011 in Brussels.

#### 3.2 Elections for WG Leaders

During this period (M5-M12) FISI has supported and coordinated the election process for ISI WGs leaders. The elections took place in the ISI GA organized on 15 June 2011 and the result has been a smooth transition from the former WGs structure and leaders to the current one.

In order to launch and coordinate the election process, the following actions were performed:

- Produce the document: “ISI\_Election-procedures\_2011 (WGs Leaders)” where the entire bases for the elections were presented to the ISI community. The document was sent to the ISI Steering Council for approval on February 21<sup>st</sup> 2011 and it was formally approved and distributed to the ISI community on March 5<sup>th</sup> 2011, more than 3 months before the elections took place.
- Produce the document: “WGLeader\_candidature\_form\_2011”. This document was sent to the ISI Steering Council for approval on March 5<sup>th</sup> 2011. The candidature form was distributed to the ISI community on March 15<sup>th</sup> 2011 together with the first official announcement of the elections to the WGs leader positions. All the documents were sent by e-mail and were also made available in the ISI website.
- Several reminders were sent to the ISI community in the following weeks until April 29th 2011 (17:00 CET) which was set as the deadline for receiving candidatures.
- Once the deadline was closed, all the candidatures to the different WGs were communicated to the ISI community.
- Finally, during the ISI GA on June 15<sup>th</sup> 2011, the elections took place and the new WGs assumed their respective responsibilities.

The secretariat was formally congratulated by the ISI chairman for the smooth and transparent way in which the elections were prepared and conducted thanks to the support of FISI.

The election procedures and candidature forms are attached as annexes to deliverable D5.1.1.

## 4 ISI newsletter

The ISI newsletter ('ISI Informs') was launched by the previous ISI support action sISI as one of the main ways of maintaining ISI community updated and make also that other European and international stakeholders could be informed on main ISI issues and activities.

ISI Informs is also intended to keep informed European Space (including Satellite Communications) Industry with the most outstanding news, articles and relevant events in the SatCom field, as well as ISI activities.

During this period (M5-M12) FISI has produced and published issues number 7 and 8 of the ISI newsletter. The production of the issue number 9 has also been initiated. Each one of these issues has been distributed to all ISI members and key external stakeholders, as well as made available in the ISI website.

ROSE has undertaken the design, production, compilation and elaboration of some contents for the ISI Newsletters "ISI Informs". During this period two newsletters have been produced, and it is already expected that during 2011, two more issue will be produced.

Most of the content included in the newsletters has been prepared thanks to the contributions of the FISI participants, although other external contributions have also been requested and included (EC, ESA, GVF, etc.).

Hereafter, a brief summary of the content included in the newsletters produced by FISI:

### Issue n°7:

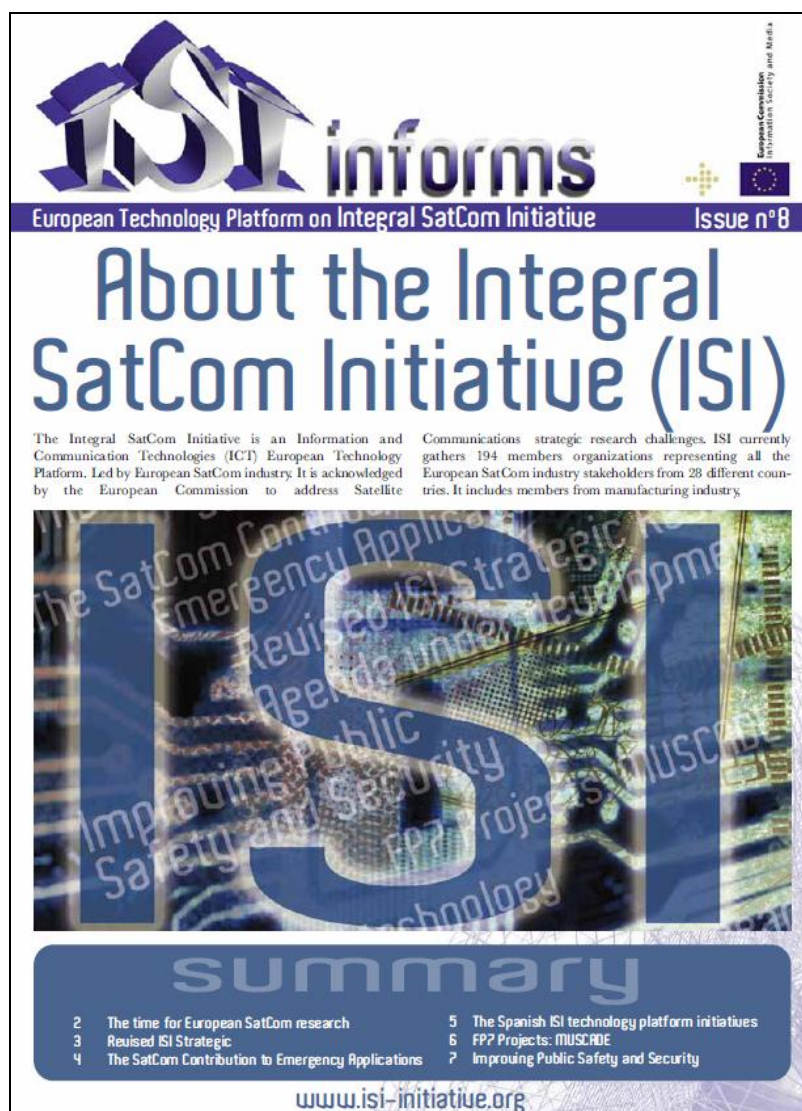


Example of the first page of the ISI Informs newsletter no 7.

Index of contents and contributors included in the 7<sup>th</sup> issue:

- ISI 12th General Assembly meets with the European Parliament
  - Nicolas Chuberre, Thales Alenia Space - France
- FP7 Call8: an opportunity for SatCom
  - Pertti Jauhiainen, European Commission, DG INFSO
- European Parliament visit ISI SatCom day: Funding scheme options for SatCom serving EU policies
  - Mrs. Edit Herczog, Member of the European Parliament
- The SatCom Regulatory landscape (L band debates)
  - Dr. Julián Seseña, ROSE Vision
- Satellite imagery as a tool in consular protection and assistance
  - Mr. Giorgio Porzio, EU Situation Centre
- ISI: a very active European Technology Platform Working Groups re-structuring
  - Dr. Julián Seseña / Sara Muñoz / Antonio Alfaro, ROSE Vision
- ESOA Vision on SatCom/Digial Agenda
  - Aarti Holla, ESOA
- Financing R&D and innovation in the next EU financial framework
  - Antonio Alfaro, Rose Vision
- Events

Issue n°8:



Example of the first page of the ISI Informs newsletter no 8.



Index of contents and contributors included in the 8<sup>th</sup> issue:

- The time for European SatCom research
  - Luis Rodríguez-Roselló, Head of Unit "Future Networks", DG-Information Society and Media – European Commission
- Revised ISI Strategic
  - Pertti Jauhiainen, DG-Information Society and Media – European Commission
- The SatCom Contribution to Emergency Applications
  - Maurizio Casoni, University of Modena and Reggio Emilia
- The Spanish ISI technology platform initiatives
  - Dr. Julián Seseña, ROSE Vision
- FP7 Projects: MUSCADE
  - Guillaume Berenger, Astrium EADS
- Improving Public Safety and Security
  - Melanie Monier
- Events

Some examples of articles included in the newsletter are included in the following figures:

# The time for European SatCom research

**T**he European Commission has recently approved a communication on a revamped European Space strategy under the title "Towards a Space strategy for the European Union that benefits its citizens". In addition to the "traditional" pillars (satellite navigation, monitoring the environment, security and space exploration), there is a full chapter devoted to competitiveness, making a clear case for space industry policy as an integral part of the Europe 2020 strategy.

In this context, Satellite Communications (SatCom) is considered a key area for industrial competitiveness, as it generates the largest share of revenues in the space industry, as well as a key innovation enabler, since it provides access to a broad range of economic and social services. These range from high speed Internet and broadcasting to specific crucial public services, such as those related to safety. For example "eCalls" –on vehicle emergency calls- can automatically provide the vehicle location, and can therefore be instrumental in saving lives, by bringing faster assistance. SatCom is also an enabler of many innovative future services, such as those using positioning systems and earth observation data. There is also a potential commercial value, as SatCom could play an important role as content distributor for TV in the Internet infrastructure.

The goals of the Digital Agenda for Europe, to provide access to basic broadband to all Europeans by 2013 and 30 Mbps access by 2020, provide an opportunity for satellite communications to play a specific role. SatCom has the potential to provide wider broadband access to rural and sparsely populated areas, where it will complement the use of terrestrial-based solutions, and add to coverage and capacities in urban and suburban areas.

It is estimated that at the moment, basic broadband is still not available to about 10 million European households, mainly located in rural areas. Satellite communications, is an indispensable complement to terrestrial solutions to meet the target of 100% access to basic broadband by 2013. Current satellite technology enables access rates in the 2 to 10 Mb/s range. This would already be compatible with the first Broadband objective of the Digital Agenda for Europe.

In the longer term, satisfying the second objective for Broadband access at 30 Mb/s would require a new generation of very high throughput satellites. Industry is currently working on this new generation of SatCom. As this is a longer term issue, options should be explored for supporting industry in this endeavour through future R&D and innovation funding and support.

Some resources for research in these areas are already available through the FP7 ICT work programme 2011-12. The next Call for Proposals (Call 8) foresees support to industry for the design of very high capacity satellite systems. In particular there is an objective addressing "Flexible, resilient, broadband satellite communication" with the aim to develop innovative system and service architectures and technologies for ultra high capacity satellite communication systems with seamless integration capabilities. They should enable resilient and flexible infrastructures to support institutional missions and should integrate navigation systems and sensor networks. Success in these seamless integration capabilities will allow satellite industry to position itself within an overall end-to-end service approach.

ISI has already started the process for the definition of a strategic research agenda giving details of industry plans to develop these capabilities in the longer run. There are already some specific challenges we can identify today, such as increasing the two-way capacities in a cost-effective manner, leading to a new generation of satellites with a 1000 GB/s throughput and integrating seamlessly terrestrial and satellite applications and services as mentioned above. These will require integrated network and spectrum management capabilities, optimising network resources and Quality of Service whilst minimising costs and energy consumption. The integration of all the above mentioned systems is necessary if we are to provide critical services which require integrated solutions, which is particularly critical for security and safety applications, where the role of satellites is essential.

I am fully aware that ISI is working hard in the above lines so as to ensure the future provision of essential services as described in the European Commission recent communication on Space strategy. Time is ripe now to explore the avenues for the deployment of future infrastructures capable to meet the requirements of basic public services, and ensuring a competitive European industry. I do hope that this Call for Proposals is just a starting point for more ambitious actions in line with the targets set out in Europe 2020.

The strategic nature of the public areas supported by satellite applications and the important role played by SatCom in the required service infrastructure raise the need for Europe to own a solid technological base on satellite communications and therefore excellence in research in this field is a must for a future competitive space industry. Contributions from the ISI stakeholders will be very welcome in this undertaking.

  
**Luis Rodríguez-Roselló**  
 Head of Unit "Future Networks", DG-Information  
 Society and Media – European Commission

**2 informs**

# FP7 Projects: MUSCADE

The last decade has seen a revolution in the distribution of motion content: from analogue to digital and then from SDTV to HDTV. Both the delivery and the content creation industries exploited these advances, for the final benefit of consumers. Today, 3DTV is widely considered as the next step forward in home entertainment.

MUSCADE (Multimedia Scalable 3D for Europe) is a 3-year Collaborative Project led by Astrium which investigates future 3DTV systems beyond stereoscopic 3D. The project is co-funded by the European Commission under the 7th Framework Programme (FP7). It combines the strengths of twelve European partners, consisting of a balanced mix between academics (University of Surrey, Fraunhofer HHI), public organizations (EBU), SMEs (Holografika, KUK Filmproduktion, Trinnov Audio) and large industries (Astrium, Disney Research, RAI, SES ASTRA, Technicolor, Telecom Italia).

The MUSCADE project aims at developing a technically efficient and commercially successful 3DTV broadcast system by generating major innovations in 3DTV capturing, data representation, compression, transmission and rendering. The MUSCADE reference system architecture is shown in Figure 1.

At the production side, multi-view camera rigs and microphone arrays are used to record 3D video and spatial sound, generating a generic and display agnostic 3DTV representation format as shown in figure 2. Then audio-visual data are post-processed, either offline during post-production or in real-time for live broadcasting. In a further postproduction process the captured and post-processed audio-visual 3D scenes can be mixed with computer generated 3D content or archived 3D material.

After postproduction, the processed audio-visual 3D data is compressed and encapsulated into a suitable transmission format. The streams are then fed into the transmission channels investigated in the project i.e. wireline (ADSL, FTTH), wireless (DVB-T2, WLAN, WMAX) and satellite (DVB-S2) using both emulated and actual links. At the receiving side, the audio and video signals have to be decoded and rendered

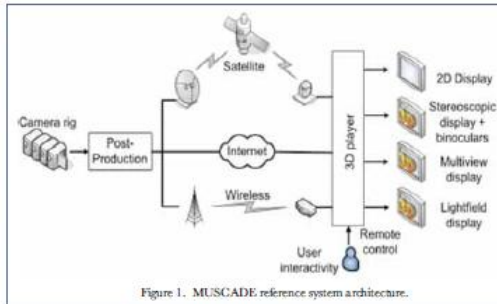


Figure 1. MUSCADE reference system architecture.



Figure 2 MUSCADE display agnostic video representation format (MVD4, Multi-view video plus depth 4), data from the first MUSCADE shooting

according to the requirements of the display and sound system. As far as video is concerned, 2D displays, stereoscopic displays with glasses and several types of autostereoscopic displays will be supported, while for audio, different multichannel reproduction systems such as binaural, stereo, 5.1, 7.1 and wave field synthesis will be used.

In parallel of the development of the 3DTV prototype system, activities focusing on the user experience evaluation are conducted in order to ensure the production of 3D content meeting today's consumers' expectations. The results of the project in terms of audio/video coding, content production, transmission protocols and display adaptation are also provided as inputs to the relevant standardization bodies.

The project is currently in its first phase, consisting in the development of a non real-time prototype of the system. The final objective of MUSCADE, which is running

until the end of 2012, is to demonstrate a complete multiview 3DTV live chain over wireline, wireless and satellite networks.



Guillaume Berenger  
Astrium EADS





| ISI relevant events  |                       |                          |   |
|--|-----------------------|--------------------------|---|
| 4th ISI SatCom day   | October 19, 2011      | Brussels, Belgium        | <a href="http://www.isi-initiative.org/">http://www.isi-initiative.org/</a>   |
| 14th general assembly of ISI   | October 18, 2011      | Brussels, Belgium        | <a href="http://www.isi-initiative.org/">http://www.isi-initiative.org/</a>   |
| 13th general assembly of ISI   | June 15, 2011         | Warsaw, Poland           | <a href="http://www.isi-initiative.org/">http://www.isi-initiative.org/</a>   |
| Info day CELTIC and Call 8.  |                       |                          |   |
| Joint NetWorks and ISI networking session  | June 14, 2011         | Warsaw, Poland           | <a href="http://www.isi-initiative.org/">http://www.isi-initiative.org/</a>   |
| ISI technical session with Terrestrial at FUNES  | June 16, 2011         | Warsaw, Poland           | <a href="http://www.futurenetworksummit.eu/2011/files/FutureNetworkSummit2011_CallforPapers.pdf">http://www.futurenetworksummit.eu/2011/files/FutureNetworkSummit2011_CallforPapers.pdf</a>           |
| Future Internet Week & Future Internet Assembly  | October 24-28, 2011   | Poznan, Poland           | <a href="http://www.future-internet.eu/events/eventview/article/future-internet-assembly-poznan.html">http://www.future-internet.eu/events/eventview/article/future-internet-assembly-poznan.html</a> |
| MOBILITY 2011  | October 23-28, 2011   | Barcelona, Spain         | <a href="http://www.isi-ao.org/conferences2011/MOBILITY11.html">http://www.isi-ao.org/conferences2011/MOBILITY11.html</a>   |
| ITU Telecom World 2011   | October 24-27, 2011   | Geneva, Switzerland      | ITU Telecom World 2011  |
| IEEE MASHTech 2011   | October 17, 2011      | Valencia, Spain          | <a href="http://www2.ing.unipi.it/mashtech11/">http://www2.ing.unipi.it/mashtech11/</a>   |
| ISCIT 2011   | October 12-14, 2011   | Hangzhou, China          | <a href="http://www.iscit2011.org/">http://www.iscit2011.org/</a>   |
| ICOST 2011   | October 10-12, 2011   | Shanghai, China          | <a href="http://www.icost.info">http://www.icost.info</a>   |
| Future Networks 8th FP7 Concertation Meeting   | October 6-7, 2011     | Brussels, Belgium        | <a href="http://ec.europa.eu/information_society/events/future_networks/concertation/index_en.htm">http://ec.europa.eu/information_society/events/future_networks/concertation/index_en.htm</a>       |
| 4th IEEE International Workshop On Wireless and Internet Services                                | October 4-7, 2011     | Bonn, Germany            | <a href="http://www.wimn2011.org/">http://www.wimn2011.org/</a>   |
| CONCORD 2011   | October 6, 2011       | Seville, Spain           | <a href="http://ri.jrc.ec.europa.eu/concord-2011">http://ri.jrc.ec.europa.eu/concord-2011</a>   |
| Satellite Communication and Navigation systems working group                                     | October 4-6, 2011     | Wessling, DLR            |   |
| 17th edition of the Ka and Broadband Communications, Navigation and Earth Observation Conference | October 3-6, 2011     | Palermo, Spain           | <a href="http://www.kaconf.org">www.kaconf.org</a>  |
| SITT 2011  | September 28-30, 2011 | Berlin, Germany          | <a href="http://sitt2011.org/">http://sitt2011.org/</a>   |
| ALETT Summit   | September 27-30, 2011 | Guatemala                | <a href="http://www.imfonline.com/entryid116=147321">http://www.imfonline.com/entryid116=147321</a>   |
| ETSI Future Networks Technologies Workshop   | September 26-27, 2011 | Sophia Antipolis, France | <a href="http://www.etsi.org/WebSite/NewsandEvents/FNT/FutureNetworkTechnologies.aspx">http://www.etsi.org/WebSite/NewsandEvents/FNT/FutureNetworkTechnologies.aspx</a>                               |
| SaNetX III Summer School 2011  | September 5-8, 2011   | Siena, Italy             | <a href="http://satnetxsummerschool2011.dl.unipi.it/index.htm">http://satnetxsummerschool2011.dl.unipi.it/index.htm</a>   |
| EUSIPCO 2011   | Aug. 29-Sept. 2, 2011 | Barcelona, Spain         | <a href="http://www.eurasip.org">www.eurasip.org</a>  |
| Broadcast & Cable 2011   | August 23-25, 2011    | Sao Paulo, Brazil        | <a href="http://www.broadcastcable.com.br/">http://www.broadcastcable.com.br/</a>   |
| UK Space Conference  | July 4-5, 2011        | Warwick University, UK   | <a href="http://www.ukspaceagency.bis.gov.uk/20601.aspx">http://www.ukspaceagency.bis.gov.uk/20601.aspx</a>   |
| High Level European Conference on "PUBLIC PROCUREMENT OF INNOVATION"                             | June 27-28, 2011      | Torino, Italy            | <a href="http://www.comune.torino.it/relint/PII/">http://www.comune.torino.it/relint/PII/</a>   |
| 3rd Conference: ICWMC 2011   | June 19-24, 2011      | Luxembourg               | <a href="http://www.isi-ao.org/conferences2011/ICWMC11.html">http://www.isi-ao.org/conferences2011/ICWMC11.html</a>   |
| 1st Annual Digital Agenda Assembly   | June 16-17, 2011      | Brussels, Belgium        | <a href="http://ec.europa.eu/information_society/digitalagenda/daa">http://ec.europa.eu/information_society/digitalagenda/daa</a>   |
| Future Network & Mobile Summit 2011  | June 15-17, 2011      | Warsaw, Poland           | <a href="http://www.futurenetworksummit.eu/2011/files/FutureNetworkSummit2011_CallforPapers.pdf">http://www.futurenetworksummit.eu/2011/files/FutureNetworkSummit2011_CallforPapers.pdf</a>           |
| 6th Annual European Spectrum Management Conference   | June 14-15, 2011      | Brussels, Belgium        | <a href="http://www.spectrummanagement.eu">www.spectrummanagement.eu</a>  |

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| <p><b>Nicolas Chuberre</b><br/>ISI Chairman<br/>Thales Alenia Space France</p> <p><b>Jean-Francois Charrier</b><br/>ISI Vice Chairman<br/>EADS Astrium</p> <p><b>ISI Secretariat</b></p> <p><b>Sara Muñoz</b><br/>Rose Vision<br/>Dr Ulecia, 8<br/>28224 Pozuelo de Alarcón<br/>(Madrid), Spain<br/><a href="mailto:secretariat@isi-initiative.org">secretariat@isi-initiative.org</a><br/><a href="http://www.isi-initiative.org">www.isi-initiative.org</a></p> | <p><b>STEERING COUNCIL</b></p> <p><b>Steering Council, Manufacturing Industry (IND) Sector</b></p> <ul style="list-style-type: none"> <li>• Thales Alenia Space</li> <li>• EADS Astrium</li> <li>• Giat Satellite Networks</li> </ul> <p><b>Steering Council, Network Operations and Service Provision (SNO) Sector</b></p> <ul style="list-style-type: none"> <li>• Alcatel</li> <li>• SES Global</li> <li>• Telespazio</li> </ul> <p><b>Steering Council, SME Sector</b></p> <ul style="list-style-type: none"> <li>• ROSK Vision</li> <li>• Space Hellas</li> </ul> <p><b>Steering Council, Research Institutions and Academia (RES) Sector</b></p> <ul style="list-style-type: none"> <li>• DLR (German Aerospace Research Centre)</li> <li>• University of Bologna</li> <li>• University of Surrey</li> </ul> |
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The ISI newsletter has been distributed to the ISI community and a list of key external stakeholders that have been considered of interest for ISI.


## 5 ISI Communication strategy

Through this activity FISI supports the promotion of ISI as well as the dissemination of the ISI SRA and other ISI activities and documents towards relevant bodies/organizations. The main pillar of this activity is the development and update of the ISI communication strategy where ISI identifies those entities that should be monitored and briefed on ISI activities and results.

The first version of the **ISI communication strategy** was produced by FISI (Deliverable D.5.4.1), and it has been reviewed and updated 6 months after its first release taking into account the views and mandates from the ISI General Assembly, the ISI Steering Council and the European Commission. The next version of the communication strategy will be presented at the next ISI GA on October 2011.

During this period, FISI has also produced 3 press releases that are included here below:

- 12<sup>th</sup> ISI GA and third EU SatCom day held on November-December 2010.



### The Integral SatCom Initiative: 12<sup>th</sup> General Assembly and 3<sup>rd</sup> "SatCom Day" outcomes

Brussels – December 13<sup>th</sup>, 2010

**12<sup>th</sup> ISI General assembly:** it was held on the 30<sup>th</sup> of November at DG INFSO premises in Brussels. A dinner sponsored by SES was organised in the evening at the European Parliament premises. The dinner gathered more than 90 participants including Members of the European Parliament, representatives from European institutions and ESA.

Considering the importance for Europe of its Satellite Communication (SatCom) industry and in line with the objectives and measures in the article 189 of the Lisbon Treaty<sup>1</sup>, ISI encourages the European Commission and European Parliament to provide its support with:

1. The explicit *inclusion of Satellite Communications in the overall space policy* and in particular inclusion of specific SatCom objectives in the future research and technology development framework programme 8 (FP8 ICT) ;
2. The implementation of appropriate *demand aggregation, spectrum allocation and pre procurement schemes* (involving public institution financial support) to foster the development of future high tech satellite communication infrastructures addressing the EU Digital Agenda objectives and enhanced service offer, at optimised costs, to institutional users in the security domain. This approach will optimize the usage of the public/private investments already invested in the space communication infrastructure;
3. The *foundation of a specific and ambitious European Satellite Communications Programme*, addressing key European challenges identified in the EU2020 Strategy including the security of EU citizens and the emergency communications in case of crises.

**3<sup>rd</sup> EU SatCom Day:** Held on December the 1<sup>st</sup> 2011, also in Brussels gathered more than 70 participants including: Mrs Edit Herczog, Member of the European Parliament, Mr Ken Ducatel head of the Digital Agenda policy coordination at the DG INFSO and Mr Giorgio Porzio Head of Unit at the EU Situation Centre, as well as representatives from the European satellite communications industry. The panel discussions enabled a clear understanding on the contribution of satellite communication systems to achieve current and future European Societal challenges to be understood:

- o Inclusive growth thanks to cost effective deployment of broadband access in un-served and under served areas.
- o Improvement of security of persons and goods thanks to responsive global, reliable and secured telecommunication means

It was recognised that SatCom is undoubtedly a topic to be handled at European level as it is an essential enabler to fulfil the European Digital Agenda and Security policy objectives. Demand aggregation and harmonised regulatory framework at a pan-European level when needed would enable optimisation of investments on future satellite communication technologies and infrastructures addressing these policy objectives. Moreover the Lisbon Treaty now includes Space as a EU issue and therefore is expected to provide a new impetus to support ambitious innovative space programs including SatCom particularly in the broadband and security areas. . This will contribute to sustain the competitiveness of the European SatCom industry and constitute a key factor for a sustainable European space industry.


**About the Integral SatCom Initiative (ISI)**

The Integral SatCom Initiative is an Information and Communication Technologies (ICT) European Technology Platform. Led by European SatCom industry. It is acknowledged by the European Commission to address Satellite Communications strategic research challenges. ISI currently gathers 194 members organizations representing all the European SatCom industry stakeholders from 28 different countries. It includes members from manufacturing industry, network operations and service provision, SMEs, research centres and academia, European and National Institutions.

For more information you may need, please visit [www.isi-initiative.org](http://www.isi-initiative.org) or contact us at [secretariat@isi-initiative.org](mailto:secretariat@isi-initiative.org).

<sup>1</sup> Consolidated versions of the treaty on European union and the treaty on the functioning of the European union (2008/C 115/01), Official Journal of the European Union, C 115, Volume 51, 9 May 2008, ISSN 1725-2423

- ETP Sherpa Workshop held on February 18<sup>th</sup> 2011.



**ETP Sherpa Workshop outcomes**

*Brussels – March 4<sup>th</sup>, 2011*

The ISI technology platform actively took part in the "European Technology Platforms (ETP) sherpas Meeting". Organised on 18th February 2011 by the Directorate General Information Society of the European Commission (EC), the meeting objective was for the European Commission (EC) to interact with ETP representatives about the Green Paper on Research and Innovation funding which was published by the EC on 9th Feb 2011.

It focused on how to define the future EC research and innovation framework, called Common Strategy Framework, to strengthen the European industry competitiveness, while tackling the societal challenges, to increase the impact of EC actions in R&I (Research and Innovation) and to improve the participation of industry (Large Scale Industries/Small Medium Enterprises) which currently represents less than 40% of the FP7 budget

The meeting gathered approximately ~100 participants from industry, involved in 15 ETPs, and Joint Technology Initiatives having interest in the ICT sector.

ISI was represented by a strong delegation, including Chief Technology Officer representatives from the two major European satellite manufacturing industries.

ISI put specific emphasis on the need

- o to allocate a dedicated budget for SatCom industry objectives reflected in the Strategic research Agenda.
- o to involve further the ETPs in the definition of the ICT work programme to ensure that the objectives are timely in line with the market trends
- o to consider increased funding rate for projects developing solutions serving EC policies towards discriminated citizens.
- o to set-up fast track and flexible industry driven financial instruments to help seize short-mid term upcoming market opportunities for the development/validation of technologies/products/solutions providing market differentiators through innovation or competitiveness

In addition, ISI advocated the need

- o to increase ETPs involvement in the implementation of its « Strategic Research and Innovation Agenda »
- o to maintain and reinforce a dedicated "Satcom industry ETP" responsible for
  - o The prioritisation of R&D, innovation and Competitiveness
  - o The identification/ prioritisation of activities maximising/fastening innovation access to market: e.g. Socio economical studies, regulatory/standardisation, partnership modelling for experiments or validation
- o to support ETPs administrative and promotion activities and expenses

These recommendations were all reflected in the ICT industry recommendations towards the Common Strategy Framework and the future role of ETPs.

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- European forward looking activities: Insights for building the future of Innovation Union and ERA



### *European Forward Looking Activities: Insights for building the future of Innovation Union and ERA*

*Brussels – March 4<sup>th</sup>, 2011*

The ISI technology platform actively took part in the above mentioned workshop organised by the DG Research on 3<sup>rd</sup> March 2011 in Brussels. The meeting objective was to gather research & industry representatives (via European Technology Platforms), foresight researchers and policy makers in order to identify the potential gaps in the foresight analysis that will be used as inputs in the definition of the next Common Strategy Framework.

During this seminar, several analysis were presented by foresight researchers among which

- FarHorizon project: Luke Georgiou, Manchester university
- Pashmina project (<http://www.pashmina-project.eu/>) by Andrea Ricci from ISIS (member of the Expert Group "Global Europe 2030/2050")
- European Foresight Platform by Matthias Weber from AIT
- Future Agenda Programme (The world in 2020) by Tim Jones from Vodafone. See <http://www.futureagenda.org/pg/cx/view#0>

They all presented different scenarios and modelling of the related impact on society, environment, employment, energy etc.

The conclusion is that in view of the numerous issues ahead of us, EC's Research and innovation policy has to evolve in order to tackle the societal challenges but need the collaboration of stakeholders.

Then the seminar participants were distributed in 6 small groups in order to identify potential gaps not addressed by the foresight researchers in their presentation. N. Chuberre, the ISI representative, volunteered to be the rapporteur of one of the group composed of representatives from industry (1), research (3), policy (2) and foresight (1) and presented the group findings to all the seminar participants here under:

- About foresight methodology
  - The group put emphasis on the need for EC to adopt a good process for foresight analysis. a good process will lead to a good product.
  - For example, it was suggested that EC encourages the use of continuous Return of Experience on policy and SRA implementation to improve foresight analysis. This could be achieved by organising increasing interactions between foresight, ETP and policy makers representatives.
  - It was also recalled that innovation can also stem from new coalition of actors
- About Societal challenges
  - They should define a trend to follow for the industry when developing new technologies/products but may be not the sole driver which remain the market.
  - But could trigger new market opportunities
- Last the group recommended that EC should bear in mind the need to acquire or preserve the technological independence of the European industry when defining its R&I policy framework. This should be another societal challenge.

The iknow project (<http://wiwe.iknowfutures.eu/>) was then presented. This blue sky research and horizon scanning project aims to advance knowledge and tools related to events and developments (e.g. wild cards and weak signals) potentially shaping and shaking the future of science, technology and innovation (STI).

A panel discussion took place with representatives from member states on their foresight analysis to orientate scientific and technologic priorities from Germany, France, Spain and Estonia. In particular, a representative from the French prime minister office presented a detailed analysis showing that Europe were declining since 1990 in terms of Business Enterprise research investment, patent application, Scientific publications and market share. China will overtake Europe in terms of market share in 2025.

He indicated that the innovation regime is being transformed from the old model where innovation is planned by public sector and led by large national firms to a new model based on collaborative research, user driven, innovative eco systems and hence the growing role of clusters.

In order to maximize the presence of ISI in relevant events FISI has supported conferences relevant for the ISI Vision. FISI has supported the participation of ISI in the following events and conferences:

- ICT 2010.
- FIA Ghent 2010.
- The FUNEMs Conference.
- FP7-CELTICplus proposers' day on 14 June 2011.
- The ASMS Conference 2011.
- 4th EU SatCom day.

FISI has also supported the promotion of ISI through monitoring of interesting fora and public/private sectors of particular relevance and interest. This support has included physical attendance of related events,

subscription to several mailing lists, on-line newsfeeder links and newsletters of interesting fora addressing issues of importance to ISI and forwarding of respective useful information to ISI members. Some of the entities that have been monitored are:

- Future Internet Initiative: Newsletter and attending events organized by the EC.
- ETSI: Mailing lists, forwarding relevant info to ISI members.
- ESOA: Attending meetings, forwarding relevant documents from ESOA to ISI members and cooperating in joint ESOA-ISI papers.
- ETPs (NEM, Net!Works, NESSI): Newsletter, mailing lists and attending events.

Finally, FISI has established a fluent cooperation with other projects in order to get joint promotional efforts. FISI has liaised with 7 projects mainly in order to maximize the promotion of ISI beyond EU borders in those regions or sectors of major importance for ISI.

- FIRST: For the promotion of ISI in the Latin American region. Representation of ISI in the EU experts that are supporting the creation of technology platforms in Latin America.
- Synchroniser: For the promotion of ISI in India. Representation of ISI in the Experts Advisory Council for the promotion of joint EU-India research.
- Euro-Africa project: For the promotion of ISI in Africa.
- MUSCADE: Promotion of ISI in the broadcasting sector.
- MONET: Promotion of ISI among the mobile broadband stakeholders.
- E-SPONDER: Promotion of ISI in the sectors of security and response to emergency/crisis.
- ESA ARTES 1 project “φSAT” (The Role of Satellite in Future Internet Services).

During the second period of FISI, these efforts will be maintained and even increased in order to expand the promotion of ISI to other sectors and countries.



## 6 Expected impact assessment

Finally, in this chapter a brief assessment of the impact achieved in each one of the predefined axis is performed. Conclusions from this analysis have allowed the FISI project to improve the impact of its dissemination activities during the second period. Please, bear in mind that this is an intermediate assessment due to actions carried out in year1.

| Targeted bodies                | Example   | Expected impacts   | Impact assessment   |
|--------------------------------|---|--|---|
| User groups and forum          | PSCE, Broadcasters associations, Emergency communications agencies, general users of satellite communications systems | Participate to SatCom days expressing their views on evolving user requirements<br>Feed back on SRA. Increase participation at General Assembly  | The involvement of these user groups has been improved in this period with respect to previous years (relationship with target usage areas has been intensified through the liaison established with projects such as E-SPONDER or MUSCADE among others) and the expectations for the second period are also quite positive since the structure and organization of the 4 <sup>th</sup> EU SatCom day is focused on key usage areas for SatCom.   |
| ISI members                    |   | Obtain involvement from ISI members in the work: responses to consultations, proposals on work items at each WG. Visible support to ISI decisions, recommendations and position papers | The involvement and participation of ISI members during this period has been maintained at similar levels compared to previous years.<br><br>One of the main objectives for FISI dissemination strategy in the second period shall be to improve this indicator.  |
| R&D financing program entities | European Commission (FP7, FP8), ARTES, CELTIC, National R&D programs  | Provide contributions to the shaping of the R&D programmes. Disseminate the ISI SRA and future research priorities. Contribute to the definition of the work programmes                | The relationship between ISI and the European Commission has been maintained and probably improved in this period having multiple examples of joint activities, contributions from ISI to EC consultations, etc.<br><br>In this period the cooperation with CELTIC-plus has been clearly intensified by the organization of the joint info-day held at the FUNEMs conference. Join events have been organized with the CELTIC Community, through networking sessions in the context of FP7. |

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|  |   |   | Cooperation with the National R&D program agencies should be intensified. This activity will even further be increased through the dissemination of the new version of the SRA which is being finalized to be approved at the next GA  |
| Institutional bodies holding research programmes | EC, ESA, National space agencies, National research entities  | Ensures SatCom is considered as one of the ICT priorities. Include ISI with the regular consultations to stakeholders and ETPs. Set up links with national technology platforms, mirror of ISI (like eISI in Spain) | <p>The liaison of ISI with ESA and the most relevant national Space agencies has been clearly improved during this period.</p> <p>ESA has regularly participated in ISI activities, and ISI has kept ESA aware on any new initiative promoted by the platform. Important contributions from ESA staff have been made through participation of ESA experts in the GA and SatCom day.</p>  |
| Related R&D projects                             | Mainly projects running at national level and ESA framework as well as international cooperation projects like FIRST (INCO) | Provide a forum for communication of their results, serving as new sources of ideas for new initiatives. Cooperate with them to make wider dissemination of ISI SRA and ISI position papers.                        | <p>7 projects have been contacted in this period. The result is very satisfactory although it could be improved during the second year.</p> <p><b>FIRST:</b> For the promotion of ISI in the Latin American region. Representation of ISI in the EU experts that are supporting the creation of technology platforms in Latin America.</p> <p><b>Synchroniser:</b> For the promotion of ISI in India. Representation of ISI in the Experts Advisory Council for the promotion of joint EU-India research.</p> <p><b>Euro-Africa:</b> For the promotion of ISI in Africa.</p> <p><b>MUSCADE:</b> Promotion of ISI in the broadcasting sector.</p> <p><b>MONET:</b> Promotion of ISI among the mobile broadband stakeholders.</p> <p><b>E-SPONDER:</b> Promotion of ISI in the sectors of security and response to emergency/crisis. Specifically, in the “Impact</p> <p><b>φSAT:</b> Helping ISI to understand in depth and</p> |

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|   |  |  | consolidate the SatCom commercial requirements with respect to Future Internet.   |
| SatCom associations                       | ESOA, GVF  | Continue the level of cooperation set in a reciprocal manner. ISI should continue ensuring that ISI is the leader of these groups on positions regarding innovation and research, while ISI may be a supporter to the other Associations on more commercial affairs.                     | The relationship between ISI and ESOA/GVF was already very intense in the previous years and FISI has worked to maintain it at these high levels. Indeed, GVF has agreed to commit on keynote speaker and participation at the upcoming ISI SatCom day. Cooperation with ESOA and SAP REG does continue. Members of ESOA and SAP REG do participate at the ISI GA and ISI SatCom day. |
| Regulatory bodies                         | ITU-R, CEPT/ECC, RSPG  | Identify needs for new spectrum or new regulatory framework for the deployment of emerging SatCom architectures, and when, appropriate addressed to spectrum managers regarding availability of spectrum, new regulatory measures, etc.  | The studies on spectrum requirements, notably, under the context of the ISICOM concept, have continued. The concept of ISICOM is evolving and new redefinitions of spectrum requirements will be made in Year 2 as a consequence of more detailed definition of the ISICOM concept.   |
| Standardisation groups and industry forum | ETSI, CEN-CENELEC, DVB   | Raise awareness on the Strategic Research Agenda. Obtain feed back on the implementation of the defined standardization action plan. Promote the participation of ISI members in the standardization bodies. Ensure that Standardization bodies keep updated information to ISI members. | Regular information on the ETSI, CEN CENELEC, DVB activities are being reported at each ISI GA, namely within the scope of the WG REG. In addition, debates on the new standardization package have been launched for further position of ISI in this respect.  |
| Technology platforms and JTIs             | NEM, Net!Works, and others in a secondary level. Possible clustering with other ICT technology platforms tackling similar concerns, as for example, on the European Grand Societal Challenges. | Cooperate with other technology platforms towards larger objectives in the research ICT field. Make replica of the good practices followed by other ETPs. Consider the possibility to extend the reach of ISI as a JTI, or Innovation Partnership (Innovation Union)                     | <p>Very relevant advances have been made in this aspect during this period.</p> <p>ISI has cooperated with most of ICT platforms in the production of the xETP innovation agenda.</p> <p>In addition to this, a more deep cooperation has been established with Net!Works in the organization of a joint infoday and networking event targeting FP7-ICT Call8 and CELTIC-Plus.</p>    |



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| Forums                 | Future Internet Assembly  | Disseminate ISI views and promote ISI members participation  | <p>ISI has been involved in different activities related to the FIA and other future internet forums.</p> <p>It is expected that this involvement will be increased in the coming period when the FI PPP will open its third call and SMEs will be allowed to participate.</p>  |
| International partners | Japan, USA, Latin America | Extend the reach of ISI beyond Europe, as SatCom solutions are by default global solutions. Cooperating with regions around the world will allow ISI solutions and achievements to have wider impact | <p>The promotion of ISI beyond EU borders has been very successful during this period thanks to the liaison of ISI with other projects from the INCO field (Mainly FIRST and Synchroniser).</p> <p>This cooperation has permitted to exploit synergies among the projects as well as a very efficient dissemination of ISI.</p> |