PROJECT FINAL REPORT

Grant Agreement number: 317105

Project acronym: NETSOC

Project title: Networked Society

Funding Scheme: Coordination and support action

Period covered: from   July 2012 to June 2014

Name of the scientific representative of the project's co-ordinator[1], Title and Organisation: David Kennedy, Eurescom GmbH

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Project website Error! Bookmark not defined. **address: http://networld2020.eu/netsoc/**

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[1] Usually the contact person of the coordinator as specified in Art. 8.1. of the Grant Agreement.

4.1 Final publishable summary report

4.1.1 Executive summary

The strategic objective of the project is to define the requirements for future networks that can seamlessly support the Networked Society of 2020 by enabling an informed dialogue and policy debate between the terrestrial, satellite and content delivery communities as well as with the industrial and social application sectors Towards the Networked Society of 2020.

The discussion between the terrestrial, satellite and content delivery communities with the industrial and social application sectors is ensured through the active dissemination of the Strategic Research Agendas from main European ICT research communities, where the project also wants to ensure the correct positioning of the networks and ICT issues in Horizon2020.

The main achievements of the NetSoc project to date can be summarised as follows:

- The NetSoc Expert Group has been established, which includes participants from NetWorld 2020 (former Net!Works, ISI) and NEM European Technology Platforms (ETP),
- The NetSoc project supported and facilitated the establishment of a Networld2020 SME Working Group, promoted the broad involvement of SMEs in the 5G PPP in particular, and organised a networking session at the FIA event in March 2014, entitled "Innovation potential in Future Internet and FIRE programmes and opportunities for SMEs",
- The NetSoc project facilitated the establishment of the SRA documents from the two ETPs, which are summarised in the corresponding NetSoc deliverables.
- The NetSoc project was also supporting discussions related to the establishment of a network infrastructure PPP in the scope of Horizon 2020 and provided editorial support for a corresponding governance document. Based on this documentation, a new 5G Infrastructure PPP has been established and a corresponding 5G Association among several European Industry players have been established.
- The NetSoc project promoted the 5G PPP at various occasions and by using various communication channels, including organisation of four information events,
- As a result of the NetSoc support activities, ISI and Net!Works agreed to launch a new network-oriented ETP "Networld2020" and NEM extended its scope towards creative industries.
- The project performed various activities on cross-sector interactions, aiming at definition of collaboration potential among ICT, in particular network related, and others so-called vertical application sectors, including organisation of two Usage Areas workshops, and
- Significant branding activities have been performed by the NetSoc project to support 5G PPP, Networld2020, and NEM ETPs, including a promotion 5G video.

The NetSoc project maintained, the websites of the ETPs; Net!Works (www.networks-etp.eu), ISI (www.isi-initiative.org), and NEM (www.nem-initiative.org), including its re-structuring, and designed new websites for the new Networld2020 ETP (http://networld2020.eu/) and the 5G PPP (http://5g-ppp.eu/), including the 5G brokerage platform, whereas the project website was moved to the Networld2020 domain. In parallel, the European Future Internet Portal (http://www.future-internet.eu/) has been maintained as a significant communication portal in the area during the reporting period.

4.1.2 Description of project context and objectives

The strategic objective of the project is to define the requirements for future networks that can seamlessly support the Networked Society of 2020 by enabling an informed dialogue and policy debate between the terrestrial, satellite and content delivery communities as well as with the industrial and social application sectors **Towards the Networked Society of 2020.**

The discussion between the terrestrial, satellite and content delivery communities with the industrial and social application sectors is ensured through the active dissemination of the Strategic Research Agendas from main European ICT research communities, where the project also wants to ensure the correct positioning of the networks and ICT issues in Horizon2020.
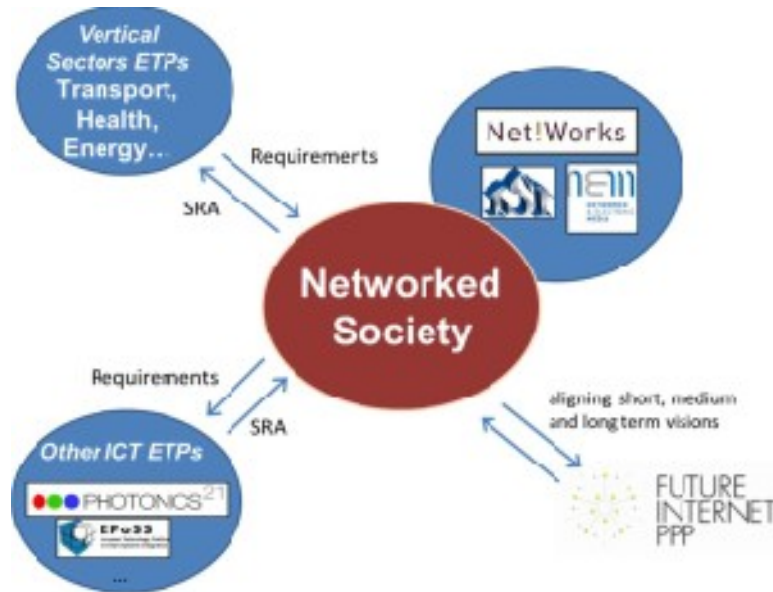

Figure 1: NetSoc Community Landscape

It is critical that this work is undertaken now as awareness is growing of the exponential growth of traffic in networks and between devices of all types, as part of the emerging Networked Society scenario. However the time needed to generate evolutions in capability and capacity of the advanced communications infrastructures is much greater than that for the advanced services. This means research efforts must be focused now if the evolution of network infrastructures is to keep pace with the demands of the networked society to the ultimate benefit of the European society and economy. Network infrastructure technologies have to continuously evolve to support the rapidly growing demand for communications support during the current decade and to pave the way for the upcoming networked society in the next decade. By 2020 advanced communications capabilities will be an integral part of everything we do and it will be provided and operated through a pervasive high capacity seamless infrastructure. Building this fully interconnected Networked Society will require a drastic change in the traditional boundaries between industry sectors and their vertical business models. It also requires that research efforts and resources are focused on the critical issues and cross sector ICT synergies are maximised. Thus, the research efforts have to focus research efforts to develop new communication networks, which will support the necessary capabilities in terms of capacity, latency, flexibility, and security to cope with future service requirements. In this respect, the NetSoc project facilitated discussions on establishment of a PPP within Horizon 2020 programme to consider all these issues, in particular R&D activities related to 5th generation (5G) of wireless communications systems.
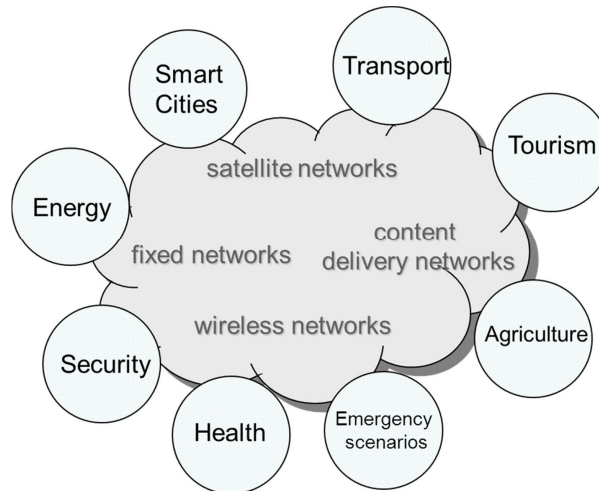
Figure 2: Networked Society and Vertical Application Sectors

The Networked Society CSA project understands the importance of starting now to establish the new cross sector understandings and working relationships that will be essential for Europe to seriously challenge for Industrial leadership in the ICT domain in the Horizon2020 timeframe. The project is identifying the challenges that need to be considered to ensure that European industry and political leaders recognise how vital it is that we take appropriate action now to secure the economic and social benefits of the Networked Society for Europe also in light of higher network security requirements and requirements in the political domain for more independence in Europe in future communication systems.

4.1.3 Main project outcomes

The main achievements of the NetSoc project to date can be summarised as follows:

- The NetSoc Expert Group, established during the first project year which included participants from Net!Works, ISI, and NEM European Technology Platforms (ETP), proceeded with its work during the second project year under umbrella of newly established Networld2020 ETP (where Net!Works and ISI platform agreed to launch a new communication networks oriented ETP). Participation of experts from the NEM area has been ensured through the NEM working on Content Delivery Networks. The Expert Group held four meetings during the reporting period and maintained off-line discussions on Strategic Research Agendas (SRA) of the involved ETPs.
- The NetSoc project supported and facilitated the establishment of a Networld2020 SME Working Group, which has been formally approved by the Steering Board in June 2014. During this initiation period, NetSoc supported interactions and exchanges among the SMEs represented in the Networld2020 Steering Board and the 5G Infrastructure Association and also started to promote the broad involvement of SMEs in the 5G PPP in particular. SMEs also contributed to strengthening the promotion and the update of the 5G PPP online brokerage service, in order to increase the possibility for SMEs to be involved. Before that, the NetSoc project had organised a networking session at the FIA event in March 2014, entitled "Innovation potential in Future Internet and FIRE programmes and opportunities for SMEs" with significant involvement of various stakeholders.
- The NetSoc project facilitated the establishment of the SRA documents from the two ETPs, which are summarised in the corresponding NetSoc deliverables.

- The NetSoc project was also supporting discussions related to the establishment of a network infrastructure PPP in the scope of Horizon 2020 and provided editorial support for a corresponding governance document. Based on this documentation, a new 5G Infrastructure PPP has been established and a corresponding 5G Association among several European Industry players have been established.

- The NetSoc project promoted the 5G PPP at various occasions and by using various communication channels. The project also organised four 5G information event, which were well attended and where wide research community has been informed about the programme and the related opportunities to participate.

- The NetSoc project was also facilitating common working documents between Net!Works, ISI, and NEM platforms, to identify the commonalities of their positions and to assist the convergence of ideas towards the evolution of the ICT ETPs and further evolution of their governance models. As a result, ISI and Net!Works agreed to launch a new network-oriented ETP "Networld2020" and NEM extended its scope towards creative industries.

- The project performed various activities on cross-sector interactions, aiming at definition of collaboration potential among ICT, in particular network related, and others so-called vertical application sectors. Accordingly, the findings of this activity have been updated in the related project deliverables. To support the discussion, NetSoc organised the 4th and the 5th Usage Area Workshops to discuss interaction among the various sectors.

- Significant branding activities have been performed by the NetSoc project during the reporting period to support branding activities of the 5G PPP as well as Networld2020 and NEM ETPs. The branding activities included full identity design, website design, and creation of various promotion materials, including a 5G video.

4.1.4 Main created impact and dissemination activities

The main impacts created by the NetSoc project through its various activities are successful transition of European Technology Platforms (ETP) in the networking area from FP7 to Horizon 2020 programme:

- The NetSoc project facilitated process of establishing a new ETP "Networld 2020" in Horizon 2020 by involving members of the Net!Works and ISI ETPs, which were active during the FP7. This process also included establishment of the joint community and its collaboration bodies, including redefinition of the ETP governance model. In the case of the NEM Initiative (NEM ETP), the NetSoc project supported enlargement of the NEM community towards creative industries and establishment of a new NEM mission. All involved platforms continued to work on their Strategic Research and Innovation Agendas (SRIA) and related roadmaps with a significant support from NetSoc.

- Discussion and further activities of the NetSoc project, such as provision of necessary editorial support, significantly contributed to definition of technical content of the 5G infrastructure PPP established in the scope of Horizon 2020. NetSOc also supported establishment of the 5G PPP working structure and the 5G PPP association. Furthermore, significant promotion activities for the 5G PPP have been carried out by NetSoc resulting with a significant community created around the 5G PPP, aiming at creation of related project consortiums and proposals.

Finally, the NetSoc project continued to maintain dialogue among ICT, particularly networking related, sector and vertical application sectors through organisation of the Usage Areas workshops and collection of requirements from the vertical sectors on the future networks.

Besides representation at various events, the NetSoc organised, or significantly contributed to their organisation, the following main events:

- FuNEM Summit 2013

- NEM Summit 2012 and 2013

- Net!Works event (autumn 2012 and autumn 2013)

- ISI event (autumn 2012 and autumn 2013)

- Networld 2020 event – joint Net!Works and ISI event – (autumn 2013)

- NEM General Assembly (autumn 2012, spring and autumn 2013, and spring 2014)

- NetSoc Expert Group meetings (autumn 2012, spring 2013, winter 2014, and summer 2014)

- 4th and 5th Usage Area workshops (spring 2013 and spring 2014)

- Networking session "Innovation potential in Future Internet and FIRE programmes and opportunities for SMEs" at FIA event in Athens (spring 2014)

The NetSoc CSA organised four 5G PPP information sessions/days in order to support 5G PPP and the 5G Infrastructure Association, which has the task to inform the community about opportunities for collaborative research in Horizon 2020 ICT14 and to mobilse the launch of consortia and project proposals:

- A **first information session** was organized on March 20, 2014 at Future Internet Assembly in Athens. Representatives from the EU Commission and 5G PPP provided overview presentations, which were followed by discussion with the audience. About 80 people attended the session.

- The **second information session** was organised on 3 April 2014 at the ECFI (European Conference on the Future Internet) in Brussels as part of its plenary programme, where around 150 people attending the session.

- A **full information day** took place on April 28, 2014 in Paris, which hosted by Orange. After an overview session short proposal and profile presentations were given by participants. This meeting had more a networking character. There were about 170 participants in the event.

- A **second full information day** was organized on May 28, 2014 in Brussels, which was hosted by the EU Commission in Centre Borchette. Only short introductory presentations were given by Commission representatives and 5G PPP. The main objective of the meeting was to provide the opportunity to the community for short presentations of their profiles and ideas and to enable networking. More than 100 participants attended the meeting.

- At EuCNC 2014 in Bologna a **5G PPP workshop** took place on June 26, 2014. This workshop was organized by the NetSoc partner University of Bologna. In this event mainly white papers from the Expert and SatCom Group in the Networld2020 ETP were presented as the starting point for input for the next work program 2016/17 of Horizon 2020. More than 150 participants were in this meeting.

In the scope of the NetSoc re-branding activities for the involved ETPs and the 5G PPP, the following logos have been designed:

The 5G PPP promotion was supported by corresponding marketing material, such as posters (s. below), flyers, etc. as well as the involved ETPs. For the 5GT PPP, a promotional video provided by the NetSoc project can be found at http://www.youtube.com/watch?feature=player_embedded&v=bfNmiYtG9Cg (and the 5G website).

The NetSoc project partners are:

- Partners: Eurescom GmbH (Germany) - coordinator,
- Alcatel-Lucent (Germany),
- Airbus DS (former Astrium) (France),
- Ericsson (Sweden),
- InterInnov (France),
- Nokia Solutions and Networks Management International GmbH (Germany),
- Thales Alenia Space (France),
- Technicolor (France),

- Universita di Bologna (Italy), and
- University of Surrey (United Kingdom).

Websites established and maintained by the project during the period:
- 5G PPP - http://5g-ppp.eu/
- Networld2020 - http://networld2020.eu/
- NEM – www.nem-initiative.org
- European Future Internet Portal - http://www.future-internet.eu/
- NetSoc project website - http://networld2020.eu/netsoc/

4.2   Use and dissemination of foreground

Section A (public)

This section includes two templates

- ▪ Template A1: List of all scientific (peer reviewed) publications relating to the foreground of the project – not applicable.

<table>
<tr><td colspan="10" align="center">TEMPLATE A2: LIST OF DISSEMINATION ACTIVITIES</td></tr>
<tr>
<td>NO.</td>
<td>Type of activities[2]</td>
<td>Main leader</td>
<td>Title</td>
<td>Date/Period</td>
<td>Place</td>
<td>Type of audience[3]</td>
<td>Size of audience</td>
<td>Countries addressed</td>
</tr>
<tr>
<td>1</td>
<td>Website Net!Works</td>
<td>EURES</td>
<td>n/a</td>
<td>July 2012 – March 2014</td>
<td>www.networks-etp.eu</td>
<td>Wide public</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>2</td>
<td>Website ISI</td>
<td>UNIBO</td>
<td>n/a</td>
<td>July 2012 – March 2014</td>
<td>www.isi-initiative.org</td>
<td>Wide public</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>3</td>
<td>Website NEM</td>
<td>EURES</td>
<td>n/a</td>
<td>July 2012 – June 2014</td>
<td>www.nem-initiative.org</td>
<td>Wide public</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>4</td>
<td>Website Networld 2020</td>
<td>EURES</td>
<td>n/a</td>
<td>April – June 2014</td>
<td>http://networld2020.eu</td>
<td>Wide public</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>5</td>
<td>Website 5G PPP</td>
<td>EURES</td>
<td>n/a</td>
<td>February – June 2014</td>
<td>http://5g-ppp.eu/</td>
<td>Wide public</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>6</td>
<td>Networld 2020 logo, posters, flyers</td>
<td>IINV</td>
<td>n/a</td>
<td>April 2014</td>
<td>n/a</td>
<td>Wide public</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>7</td>
<td>NEM logo</td>
<td>EURES</td>
<td>n/a</td>
<td>March 2014</td>
<td>n/a</td>
<td>Wide public</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>8</td>
<td>5G PPP logo, posters,</td>
<td>IINV</td>
<td>n/a</td>
<td>April 2014</td>
<td>n/a</td>
<td>Wide public</td>
<td>n/a</td>
<td>n/a</td>
</tr>
</table>

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[2] A drop down list allows choosing the dissemination activity: publications, conferences, workshops, web, press releases, flyers, articles published in the popular press, videos, media briefings, presentations, exhibitions, thesis, interviews, films, TV clips, posters, Other.

[3] A drop down list allows choosing the type of public: Scientific Community (higher education, Research), Industry, Civil Society, Policy makers, Medias, Other ('multiple choices' is possible).

	flyers							
9	5G PPP workshop	NSN	n/a	June 2014	At EuCNC 2014 in Bologna	European ICT research community	~150	n/a
10	5G PPP promotion video	IINV / EURES	n/a	May 2014	http://5g-ppp.eu/	Wide public	n/a	n/a
11	5G PPP information day	ALL	n/a	May 2014	Brussels	European ICT research community	~110	n/a
12	5G PPP information day	EURES	n/a	April 2014	Paris	European ICT research community	~170	n/a
13	5G PPP information session	EURES	m/a	April 2014	Brussels, collocated with ECFI-1	European ICT research community	~150	n/a
14	5th Usage Areas workshop	EURES	n/a	April 2014	Brussels, collocated with ECFI-1	ICT and communities of vertical application sectors	~50	n/a
15	17th NEM General Assembly	EURES	n/a	April 2014	Brussels	NEM community	~65	n/a
16	5G PPP information session	NSN	n/a	March 2014	FIA in Athens	European ICT research community	~80	n/a
17	Networking session at FIA	EURES	Innovation potential in Future Internet and FIRE programmes and opportunities for SMEs	March 2014	FIA in Athens	European ICT research community	~50	n/a
18	Networking session at ICT event 2013	EURES	Growing Communities:	November 2013	ICT event 2013 in Vilnius	European ICT	~50	n/a

			Sectors, SMEs and PPPs			research community		
19	Networking session at ICT event 2013	NSN	Network infrastructures and services towards 2020	November 2013	ICT event 2013 in Vilnius	European ICT research community	~50	n/a
20	Information stand at ICT event 2013	EURES	Networked Society 2020	November 2013	ICT event 2013 in Vilnius	European ICT research community	n/a	n/a
21	ISI GA, Net!Works GA and Networld2020 launch event	ALL	n/a	October 2013	Brussels	Community of involved ETPs	~150	n/a
22	16th NEM General Assembly and 7th NEM Summit	EURES / Technicolor	n/a	October 2013	Nantes, France	Wide NEM community	~250	n/a
23	FuNEM Summit 2013	ALL	n/a	July 2013	Lisbon	European ICT research community	~400	n/a
24	4th Usage Areas workshop	EURES	n/a	March 2013	Brussels	ICT and communities of vertical application sectors	~65	n/a
25	15th NEM General Assembly	EURES	n/a	March 2013	Brussels	NEM community	~65	n/a
26	ISI General Assembly	UNIBO	n/a	November 2012	Brussels	ISI community	~90	n/a
27	Net!Works day	EURES	n/a	November 2012	Brussels	Net!Works community	~120	n/a
28	14th NEM General Assembly and 6th NEM Summit	EURES / Technicolor	n/a	October 2012	Istanbul	Wide NEM community	~350	n/a

Section B – not applicable

4.3   Report on societal implications

Replies to the following questions will assist the Commission to obtain statistics and indicators on societal and socio-economic issues addressed by projects. The questions are arranged in a number of key themes. As well as producing certain statistics, the replies will also help identify those projects that have shown a real engagement with wider societal issues, and thereby identify interesting approaches to these issues and best practices. The replies for individual projects will not be made public.

A	General Information *(completed automatically when **Grant Agreement number** is entered.*

Grant Agreement Number:	317105
Title of Project:	Networked Society
Name and Title of Coordinator:	Mr David Kennedy, Director, Eurescom GmbH

B	Ethics

1. Did your project undergo an Ethics Review (and/or Screening)? • If Yes: have you described the progress of compliance with the relevant Ethics Review/Screening Requirements in the frame of the periodic/final project reports? Special Reminder: the progress of compliance with the Ethics Review/Screening Requirements should be described in the Period/Final Project Reports under the Section 3.2.2 *'Work Progress and Achievements'*	*No*

2. Please indicate whether your project involved any of the following issues (tick box) :	
RESEARCH ON HUMANS	
• Did the project involve children?	NO
• Did the project involve patients?	NO
• Did the project involve persons not able to give consent?	NO
• Did the project involve adult healthy volunteers?	NO
• Did the project involve Human genetic material?	NO
• Did the project involve Human biological samples?	NO
• Did the project involve Human data collection?	NO
RESEARCH ON HUMAN EMBRYO/FOETUS	
• Did the project involve Human Embryos?	NO
• Did the project involve Human Foetal Tissue / Cells?	NO
• Did the project involve Human Embryonic Stem Cells (hESCs)?	NO
• Did the project on human Embryonic Stem Cells involve cells in culture?	NO
• Did the project on human Embryonic Stem Cells involve the derivation of cells from Embryos?	NO
PRIVACY	
• Did the project involve processing of genetic information or personal data (eg. health, sexual lifestyle, ethnicity, political opinion, religious or philosophical conviction)?	NO
• Did the project involve tracking the location or observation of people?	
RESEARCH ON ANIMALS	
• Did the project involve research on animals?	NO
• Were those animals transgenic small laboratory animals?	NO
• Were those animals transgenic farm animals?	NO

• Were those animals cloned farm animals?	NO
• Were those animals non-human primates?	NO
RESEARCH INVOLVING DEVELOPING COUNTRIES	
• Did the project involve the use of local resources (genetic, animal, plant etc)?	NO
• Was the project of benefit to local community (capacity building, access to healthcare, education etc)?	NO
DUAL USE	
• Research having direct military use	NO
• Research having the potential for terrorist abuse	NO

C   Workforce Statistics

3.   Workforce statistics for the project: Please indicate in the table below the number of people who worked on the project (on a headcount basis).

Type of Position	Number of Women	Number of Men
Scientific Coordinator		2
Work package leaders		3
Experienced researchers (i.e. PhD holders)	2	11
PhD Students		
Other	4	

4. How many additional researchers (in companies and universities) were recruited specifically for this project?	**1**
Of which, indicate the number of men:	

D	**Gender Aspects**		
5.	**Did you carry out specific Gender Equality Actions under the project**?	○ ■	Yes No

6.	**Which of the following actions did you carry out and how effective were they?**

		Not at all effective				Very effective
❏	Design and implement an equal opportunity policy	○	○	○	○	○
❏	Set targets to achieve a gender balance in the workforce	○	○	○	○	○
❏	Organise conferences and workshops on gender	○	○	○	○	○
❏	Actions to improve work-life balance	○	○	○	○	○
○	Other:					

7. **Was there a gender dimension associated with the research content – i.e. wherever people were the focus of the research as, for example, consumers, users, patients or in trials, was the issue of gender considered and addressed?**

   ○   Yes- please specify

   ■   No

E	**Synergies with Science Education**

8. **Did your project involve working with students and/or school pupils (e.g. open days, participation in science festivals and events, prizes/competitions or joint projects)?**

   ○   Yes- please specify

   ■   No

9. **Did the project generate any science education material (e.g. kits, websites, explanatory booklets, DVDs)?**

   ○   Yes- please specify

   ■   No

F	**Interdisciplinarity**

10. **Which disciplines (see list below) are involved in your project?**

   ○   Main discipline[4]: 2.2

   ○   Associated discipline[4]: 1.1   ○   Associated discipline[4]:

G	**Engaging with Civil society and policy makers**

11a	**Did your project engage with societal actors beyond the research community?** *(if 'No', go to Question 14)*	○ ■	Yes No

11b **If yes, did you engage with citizens (citizens' panels / juries) or organised civil society (NGOs, patients' groups etc.)?**

   ○   No

   ○   Yes- in determining what research should be performed

   ○   Yes - in implementing the research

   ○   Yes, in communicating /disseminating / using the results of the project

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[4] Insert number from list below (Frascati Manual).

11c **In doing so, did your project involve actors whose role is mainly to organise the dialogue with citizens and organised civil society (e.g. professional mediator; communication company, science museums)?**	○ ○	Yes No

12. Did you engage with government / public bodies or policy makers (including international organisations)

- ○ No
- ○ Yes- in framing the research agenda
- ○ Yes - in implementing the research agenda
- ○ Yes, in communicating /disseminating / using the results of the project

13a Will the project generate outputs (expertise or scientific advice) which could be used by policy makers?

- ○ Yes – as a **primary** objective (please indicate areas below- multiple answers possible)
- ○ Yes – as a **secondary** objective (please indicate areas below - multiple answer possible)
- ○ No

13b If Yes, in which fields?

Agriculture Audiovisual and Media Budget Competition Consumers Culture Customs Development Economic and Monetary Affairs Education, Training, Youth Employment and Social Affairs	Energy Enlargement Enterprise Environment External Relations External Trade Fisheries and Maritime Affairs Food Safety Foreign and Security Policy Fraud Humanitarian aid	Human rights Information Society Institutional affairs Internal Market Justice, freedom and security Public Health Regional Policy Research and Innovation Space Taxation Transport	

13c	If Yes, at which level?	
	○ Local / regional levels	
	○ National level	
	○ European level	
	○ International level	

H Use and dissemination

14.	**How many Articles were published/accepted for publication in peer-reviewed journals?**	**None**
To how many of these is open access[5] provided?		
How many of these are published in open access journals?		
How many of these are published in open repositories?		
To how many of these is open access not provided?		
Please check all applicable reasons for not providing open access:		
❑ publisher's licensing agreement would not permit publishing in a repository ❑ no suitable repository available ❑ no suitable open access journal available ❑ no funds available to publish in an open access journal ❑ lack of time and resources ❑ lack of information on open access ❑ other[6]: ……………		

15.	**How many new patent applications ('priority filings') have been made?** *("Technologically unique": multiple applications for the same invention in different jurisdictions should be counted as just one application of grant).*	**None**

16.	**Indicate how many of the following Intellectual Property Rights were applied for (give number in each box).**	Trademark	**None**
		Registered design	**None**
		Other	**None**

17.	**How many spin-off companies were created / are planned as a direct result of the project?**	**None**
	Indicate the approximate number of additional jobs in these companies:	

18.	**Please indicate whether your project has a potential impact on employment, in comparison with the situation before your project:**	
❑ Increase in employment, or	❑ In small & medium-sized enterprises	
❑ Safeguard employment, or	❑ In large companies	
❑ Decrease in employment,	❑ None of the above / not relevant to the project	
■ Difficult to estimate / not possible to quantify		

19.	**For your project partnership please estimate the employment effect resulting directly from your participation in Full Time Equivalent (*FTE = one person working fulltime for a year*) jobs:**	*Indicate figure:*

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[5] Open Access is defined as free of charge access for anyone via Internet.
[6] For instance: classification for security project.

Difficult to estimate / not possible to quantify This was a CSA and not RTD work. Therefore, no direct new jobs based on this project.	0.5

I   Media and Communication to the general public

20. As part of the project, were any of the beneficiaries professionals in communication or media relations?

    ○ Yes   ■ No

21. As part of the project, have any beneficiaries received professional media / communication training / advice to improve communication with the general public?

    ○ Yes   ■ No

22 Which of the following have been used to communicate information about your project to the general public, or have resulted from your project?

❑	Press Release	❑	Coverage in specialist press
❑	Media briefing	❑	Coverage in general (non-specialist) press
❑	TV coverage / report	❑	Coverage in national press
❑	Radio coverage / report	❑	Coverage in international press
■	Brochures /posters / flyers	■	Website for the general public / internet
■	DVD /Film /Multimedia	■	Event targeting general public (festival, conference, exhibition, science café)

23 In which languages are the information products for the general public produced?

❑	Language of the coordinator	■	English
❑	Other language(s)		

Question F-10: Classification of Scientific Disciplines according to the Frascati Manual 2002 (Proposed Standard Practice for Surveys on Research and Experimental Development, OECD 2002):

FIELDS OF SCIENCE AND TECHNOLOGY

1. NATURAL SCIENCES
1.1 Mathematics and computer sciences [mathematics and other allied fields: computer sciences and other allied subjects (software development only; hardware development should be classified in the engineering fields)]
1.2 Physical sciences (astronomy and space sciences, physics and other allied subjects)
1.3 Chemical sciences (chemistry, other allied subjects)
1.4 Earth and related environmental sciences (geology, geophysics, mineralogy, physical geography and other geosciences, meteorology and other atmospheric sciences including climatic research, oceanography, vulcanology, palaeoecology, other allied sciences)
1.5 Biological sciences (biology, botany, bacteriology, microbiology, zoology, entomology, genetics, biochemistry, biophysics, other allied sciences, excluding clinical and veterinary sciences)

2 ENGINEERING AND TECHNOLOGY
2.1 Civil engineering (architecture engineering, building science and engineering, construction engineering, municipal and structural engineering and other allied subjects)
2.2 Electrical engineering, electronics [electrical engineering, electronics, communication engineering and systems, computer engineering (hardware only) and other allied subjects]
2.3. Other engineering sciences (such as chemical, aeronautical and space, mechanical, metallurgical and materials engineering, and their specialised subdivisions; forest products; applied sciences such as

geodesy, industrial chemistry, etc.; the science and technology of food production; specialised technologies of interdisciplinary fields, e.g. systems analysis, metallurgy, mining, textile technology and other applied subjects)

3. MEDICAL SCIENCES
3.1 Basic medicine (anatomy, cytology, physiology, genetics, pharmacy, pharmacology, toxicology, immunology and immunohaematology, clinical chemistry, clinical microbiology, pathology)
3.2 Clinical medicine (anaesthesiology, paediatrics, obstetrics and gynaecology, internal medicine, surgery, dentistry, neurology, psychiatry, radiology, therapeutics, otorhinolaryngology, ophthalmology)
3.3 Health sciences (public health services, social medicine, hygiene, nursing, epidemiology)

4. AGRICULTURAL SCIENCES
4.1 Agriculture, forestry, fisheries and allied sciences (agronomy, animal husbandry, fisheries, forestry, horticulture, other allied subjects)
4.2 Veterinary medicine

5. SOCIAL SCIENCES
5.1 Psychology
5.2 Economics
5.3 Educational sciences (education and training and other allied subjects)
5.4 Other social sciences [anthropology (social and cultural) and ethnology, demography, geography (human, economic and social), town and country planning, management, law, linguistics, political sciences, sociology, organisation and methods, miscellaneous social sciences and interdisciplinary , methodological and historical S1T activities relating to subjects in this group. Physical anthropology, physical geography and psychophysiology should normally be classified with the natural sciences].

6. HUMANITIES
6.1 History (history, prehistory and history, together with auxiliary historical disciplines such as archaeology, numismatics, palaeography, genealogy, etc.)
6.2 Languages and literature (ancient and modern)
6.3 Other humanities [philosophy (including the history of science and technology) arts, history of art, art criticism, painting, sculpture, musicology, dramatic art excluding artistic "research" of any kind, religion, theology, other fields and subjects pertaining to the humanities, methodological, historical and other S1T activities relating to the subjects in this group]