

# **Final report covering wider social implications and plan for the use and dissemination of foreground**

## **FI-CONTENT**

### **D1.6: Final report covering wider social implications and plan for the use and dissemination of foreground**

**Grant Agreement number:** 603662

**Project acronym:** FI-CONTENT 2

**Project title:** FUTURE MEDIA INTERNET FOR LARGE SCALE CONTENT EXPERIMENTATION 2

**Funding Scheme:** IP

**Period covered:** from: 1<sup>st</sup> April 2013 to: 31<sup>st</sup> October 2015

**Name of the scientific representative of the project's co-ordinator, Title and Organisation:** Serge Travert (Technicolor R&D France)

**Tel:** +33 2 99 27 30 56

**Fax:**

**E-mail:** [serge.travert@technicolor.com](mailto:serge.travert@technicolor.com)

**Project website address:** <http://mediafi.org/>



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## 1 - REPORT ON SOCIETAL IMPLICATIONS

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

Grant Agreement Number:

Title of Project:

Name and Title of Coordinator:

### B Ethics

<b>1. Did your project undergo an Ethics Review (and/or Screening)?</b> <ul style="list-style-type: none"> <li>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?</li> </ul> <p>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'</p>	<b>X Yes</b>
<b>2. Please indicate whether your project involved any of the following issues (tick box) :</b>	
<b>RESEARCH ON HUMANS</b>	
• 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
<b>RESEARCH ON HUMAN EMBRYO/FOETUS</b>	
• 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
<b>PRIVACY</b>	
• 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?	No
<b>RESEARCH ON ANIMALS</b>	
• 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
<b>RESEARCH INVOLVING DEVELOPING COUNTRIES</b>	
• 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
<b>DUAL USE</b>	
• 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	6	9
Experienced researchers (i.e. PhD holders)	5	35
PhD Students	5	16
Other	17	82

### 4. How many additional researchers (in companies and universities) were recruited specifically for this project? 29

Of which, indicate the number of men: 23

## 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
<input type="checkbox"/> Design and implement an equal opportunity policy	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>
<input type="checkbox"/> Set targets to achieve a gender balance in the workforce	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>
<input type="checkbox"/> Organise conferences and workshops on gender	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>
<input type="checkbox"/> Actions to improve work-life balance	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>
<input type="radio"/> Other: <input type="text"/>		

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

Master students, Bachelor theses, several hackathons, open days, workshops, and participation in Festivals and public science events ("Bonner Wissenschaftsnacht", Transmusicales (Rennes), Fallas Festival (Valencia))

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

☒ Yes- please specify

☐ No

Video content by Fraunhofer, TAL.lancs.ac.uk tutorial website, didactic material in the Phd Doctorate Programmes

## F Interdisciplinarity

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

☒ Main discipline<sup>1</sup>: Audiovisual and Media

☐ Associated discipline<sup>1</sup>:  ☐ Associated discipline<sup>1</sup>:

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)		<input type="radio"/> Yes <input type="radio"/> No	
11b If yes, did you engage with citizens (citizens' panels / juries) or organised civil society (NGOs, patients' groups etc.)? <ul style="list-style-type: none"> <li><input type="radio"/> No</li> <li><input type="radio"/> Yes- in determining what research should be performed</li> <li><input type="radio"/> Yes - in implementing the research</li> <li><input type="radio"/> Yes, in communicating /disseminating / using the results of the project</li> </ul>			
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)?		<input type="radio"/> Yes <input type="radio"/> No	
12. Did you engage with government / public bodies or policy makers (including international organisations)			
<ul style="list-style-type: none"> <li><input type="radio"/> No</li> <li><input type="radio"/> Yes- in framing the research agenda</li> <li><input type="radio"/> Yes - in implementing the research agenda</li> <li><input type="radio"/> Yes, in communicating /disseminating / using the results of the project</li> </ul>			
13a Will the project generate outputs (expertise or scientific advice) which could be used by policy makers?			
<ul style="list-style-type: none"> <li><input type="radio"/> Yes – as a <b>primary</b> objective (please indicate areas below- multiple answers possible)</li> <li><input type="radio"/> Yes – as a <b>secondary</b> objective (please indicate areas below - multiple answer possible)</li> <li><input type="radio"/> No</li> </ul>			
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

<sup>1</sup> Insert number from list below (Frascati Manual).

<b>13c If Yes, at which level?</b> <ul style="list-style-type: none"> <li><input type="radio"/> Local / regional levels</li> <li><input type="radio"/> National level</li> <li><input type="radio"/> European level</li> <li><input type="radio"/> International level</li> </ul>		
<b>H Use and dissemination</b>		
<b>14. How many Articles were published/accepted for publication in peer-reviewed journals?</b>		<b>36</b>
<b>To how many of these is open access<sup>2</sup> provided?</b>		<b>2 (at least)</b>
<b>How many of these are published in open access journals?</b>		<b>2 (at least)</b>
<b>How many of these are published in open repositories?</b>		<b>11 (at least)</b>
<b>To how many of these is open access not provided?</b>		<b>13 (at least)</b>
<b>Please check all applicable reasons for not providing open access:</b>		
<input checked="" type="checkbox"/> publisher's licensing agreement would not permit publishing in a repository <input type="checkbox"/> no suitable repository available <input type="checkbox"/> no suitable open access journal available <input type="checkbox"/> no funds available to publish in an open access journal <input type="checkbox"/> lack of time and resources <input type="checkbox"/> lack of information on open access <input type="checkbox"/> other <sup>3</sup> : .....		
<b>15. How many new patent applications ('priority filings') have been made?</b> <i>("Technologically unique": multiple applications for the same invention in different jurisdictions should be counted as just one application of grant).</i>		<b>11</b>
<b>16. Indicate how many of the following Intellectual Property Rights were applied for (give number in each box).</b>	Trademark	<b>2</b>
	Registered design	<b>0</b>
	Other	<b>0</b>
<b>17. How many spin-off companies were created / are planned as a direct result of the project?</b>		<b>3</b>
<i>Indicate the approximate number of additional jobs in these companies:</i>		<b>7-14</b>
<b>18. Please indicate whether your project has a potential impact on employment, in comparison with the situation before your project:</b>		
<input type="checkbox"/> Increase in employment, or <input checked="" type="checkbox"/> Safeguard employment, or <input type="checkbox"/> Decrease in employment, <input type="checkbox"/> Difficult to estimate / not possible to quantify	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	In small & medium-sized enterprises In large companies None of the above / not relevant to the project

<b>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:</b>	<i>Indicate figure:</i>
Difficult to estimate / not possible to quantify	X
<b>I Media and Communication to the general public</b>	
<b>20. As part of the project, were any of the beneficiaries professionals in communication or media relations?</b>	
<input type="radio"/> Yes <input checked="" type="radio"/> No	
<b>21. As part of the project, have any beneficiaries received professional media / communication training / advice to improve communication with the general public?</b>	
<input type="radio"/> Yes <input checked="" type="radio"/> No	
<b>22 Which of the following have been used to communicate information about your project to the general public, or have resulted from your project?</b>	
<input checked="" type="checkbox"/> Press Release <input type="checkbox"/> Media briefing <input type="checkbox"/> TV coverage / report <input type="checkbox"/> Radio coverage / report <input checked="" type="checkbox"/> Brochures /posters / flyers <input checked="" type="checkbox"/> DVD /Film /Multimedia	<input type="checkbox"/> Coverage in specialist press <input type="checkbox"/> Coverage in general (non-specialist) press <input type="checkbox"/> Coverage in national press <input type="checkbox"/> Coverage in international press <input checked="" type="checkbox"/> Website for the general public / internet <input checked="" type="checkbox"/> Event targeting general public (festival, conference, exhibition, science café)
<b>23 In which languages are the information products for the general public produced?</b>	
<input type="checkbox"/> Language of the coordinator <input type="checkbox"/> Other language(s)	<input checked="" type="checkbox"/> English

**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)]

<sup>2</sup> Open Access is defined as free of charge access for anyone via Internet.

<sup>3</sup> For instance: classification for security project.



- 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 immuno-haematology, 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]

## **2 - USE AND DISSEMINATION OF FOREGROUND**

## 2.1 - Section A (public)

**TABLE A1: LIST OF SCIENTIFIC (PEER REVIEWED) PUBLICATIONS, STARTING WITH THE MOST IMPORTANT ONES**

N O.	Title	Main author	Title of the periodical or the series	Number, date or frequency	Publisher	Place of publication	Year of publication	Relevant pages	Permanent identifiers <sup>4</sup> (if available)	Is/Will open access <sup>5</sup> provided to this publication?
1	A CSS Integration Model for Declarative 3D	Sutter, Jan and Sons, Kristian and Slusallek, Philipp	Proceedings of the 20th International Conference on 3D Web Technologies	Annual conference	ACM	New York, NY, USA	2015	209-217	<a href="http://dx.doi.org/10.1145/2775292.2775295">http://dx.doi.org/10.1145/2775292.2775295</a>	NO
2	Augmented Reality Enabled IoT Services for Environmental Monitoring Utilising Serious Gaming Concept	Boris Pokrić et al	Journal of Wireless Mobile Networks, Ubiquitous Computing, and Dependable Applications (JoWUA)	Volume 6, Number 1, 2015	Innovative Information Science & Technology Research Group	"Seoul, Republic of Korea	2015	37-55	<a href="http://isyu.info/jowua/papers/jowua-v6n1-3.pdf">http://isyu.info/jowua/papers/jowua-v6n1-3.pdf</a>	YES
3	Automatic application launch and app-to-app communication enabling novel TV programme related	Christoph Ziegler	IEEE 3rd International Conference on Consumer Electronics			Berlin	2013		<a href="http://mediafi.org/wp-content/uploads/2014/07/IEEE_ICCE_2013-">http://mediafi.org/wp-content/uploads/2014/07/IEEE_ICCE_2013-</a>	

<sup>4</sup> A permanent identifier should be a persistent link to the published version full text if open access or abstract if article is pay per view) or to the final manuscript accepted for publication (link to article in repository).

<sup>5</sup> Open Access is defined as free of charge access for anyone via Internet. Please answer "yes" if the open access to the publication is already established and also if the embargo period for open access is not yet over but you intend to establish open access afterwards.

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	second-screen scenarios								Second_Screen_for_HbbTV-Christoph_Ziegler.pdf	
4	Blast – A Binary Large Structured Transmission for the Web	Sutter, Jan, Sons, Kristian and Slusallek, Philipp	Proceedings of the 19th International ACM Conference on 3D Web Technologies	Annual conference	ACM	New York, NY, USA	2014	45-52	<a href="http://dx.doi.org/10.1145/2628588.2628599">http://dx.doi.org/10.1145/2628588.2628599</a>	NO
5	Can SPDY Really Make the Web Faster?		Proceedings of IFIP Networking			Trondheim, Norway	2014			
6	Collective User Experience: Community-driven Story co-authoring in Live Events		3rd International Workshop on Interactive Content Consumption at ACM TVX 2015				2015			
7	Community Media Authoring and Sharing Made Easy		DE2013: Open Digital – The Fourth Annual Digital Economy All Hands Meeting			Salford	2013			

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8	Configurable Instances of 3D Models for Declarative 3D in the Web	Klein, Felix, Spieldenner, Torsten, Sons, Kristian and Slusallek, Philipp	Proceedings of the 19th International ACM Conference on 3D Web Technologies	Annual conference	ACM	New York, NY, USA	2014	71-79	<a href="http://dx.doi.org/10.1145/2628588.2628594">http://dx.doi.org/10.1145/2628588.2628594</a>	NO
9	Context-aware LDA: Balancing Relevance and Diversity in TV Content Recommenders		2nd Workshop on Recommendation Systems for Television and Online Video in conjunction with the 9th ACM Conference on Recommender Systems (ACM Recsys)				2015			
10	Cross-platform utilization of interactive video for e-learning and edutainment	Robert Seeliger, Stefan Arbanowski	2014 International Conference on Web and Open Access to Learning			VAE	2014			
11	Dataset on Usage of a Live & VoD P2P IPTV Service		Proceedings of IEEE International Conference on Peer-to-Peer Computing			London, UK	2014			

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12	Declarative AR and Image Processing on the Web with Xflow	Klein, Felix, Rubinstein, Dmitri, Sons, Kristian, Einabadi, Farshad, Herhut, Stephan and Slusallek, Philipp	Proceedings of the 18th International Conference on Web 3D Technology	Annual conference	ACM	New York, NY, USA	2013	157-165	<a href="http://dx.doi.org/10.1145/2466533.2466544">http://dx.doi.org/10.1145/2466533.2466544</a>	NO
13	Declarative Integration of Interactive 3D Graphics into the World-Wide Web: Principles, Current Approaches, and Research Agenda	Jankowski, Jacek, Ressler, Sandy, Sons, Kristian, Jung, Yvonne, Behr, Johannes and Slusallek, Philipp	Proceedings of the 18th International Conference on Web 3D Technology	Annual conference	ACM	New York, NY, USA	2013	39-45	<a href="http://dx.doi.org/10.1145/2466533.2466547">http://dx.doi.org/10.1145/2466533.2466547</a>	NO
14	Digitale Wertketten für Social Connected TV: Wertbeiträge von Content-Technologies in der Multimedia-Produktion	Michael Eble, Thomas Winkler	Digitale Dämmerung - Die Entmaterialisierung der Medienwirtschaft	ISBN print: 978-3-8487-1149-9, ISBN online: 978-3-8452-5234-6, DOI: 10.5771/9783845252346_221	Nomos	Germany	2014	221 - 232	<a href="http://dx.doi.org/10.5771/9783845252346_221">http://dx.doi.org/10.5771/9783845252346_221</a>	NO

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15	Dual Sensor Filtering for Robust Tracking of Head Mounted Displays	Nicholas Swafford, Bastiaan Boom, Kartic Subr, David Sinclair, Darren Cosker, Kenny Mitchell	ACM Virtual Reality and Software Technology 2014				2014		<a href="http://opus.bath.ac.uk/42545/">http://opus.bath.ac.uk/42545/</a>	
16	Engaging Citizen Communities in Smart Cities Using IoT, Serious Gaming and Fast Markerless Augmented Reality	Boris Pokrić et al	First International Conference on Recent Advances in Internet of Things, in conjunction with IEEE 10th International Conference on Intelligent Sensors, Sensor Networks and Information Processing (ISSNIP)	"ISBN: 978-1-4799-8324-7, DOI: 10.1109/RIOT.2015.7104905"	IEEE	Singapore	2015		<a href="http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=7104905">http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=7104905</a>	NO
17	Enhancing Robot Programming With Visual Feedback and Augmented Reality	Stéphane Magnenat, Morderchai Ben-Ari, Severin Klinger, Robert W. Sumner	20th Annual Conference on Innovation and Technology in				2015		<a href="http://mediafi.org/wp-content/uploads/2015/04/Enhancing-Robot-">http://mediafi.org/wp-content/uploads/2015/04/Enhancing-Robot-</a>	



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			Computer Science Education 2015						Programming-with-Visual-Feedback-and-Augmented-Reality-iticse2015.pdf	
18	Enriched personalized multi-screen content for social connected TV	Christopher Krauss, Robert Seeliger , Annette Wilson and Stefan Arbanowski	ACM TVX 2014				2014		<a href="http://mediafi.org/wp-content/uploads/2014/07/WP-108.pdf">http://mediafi.org/wp-content/uploads/2014/07/WP-108.pdf</a>	
19	Error analysis of estimators that use combinations of stochastic sampling strategies for direct illumination	Kartic Subr, Derek Nowrouzezahrai, Wojciech Jarosz, Jan Kautz, Kenny Mitchell	Computer Graphics Forum (Proceedings of EGSR)						<a href="http://cs.dartmouth.edu/~wjarosz/publications/subr14error.html">http://cs.dartmouth.edu/~wjarosz/publications/subr14error.html</a>	
20	Ethical Challenges in Collaborative Storytelling		Proceedings of ACM SIGCOMM Workshop on Ethics in Networked Systems Research			London, UK	2015			

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21	HbbTV Application Toolkit - HAT	"Miggi Zwicklbauer, Christoph Ziegler, Martin Gordon"	Proceedings of TVX2015				2015			
22	Improving Interactive TV Experience Using Second Screen Mobile Applications		IEEE International Symposium on Multimedia (IEEE ISM)			Miami, Florida, USA	2015			
23	Influence of Animated Reality Mixing Techniques on User Experience	Fabio Zünd, Marcel Lancelle, Mattia Ryffel, Robert W. Sumner, Kenneth Mitchell, Markus Gross (ETH Zurich)	Motion in games 2014	ISBN: 978-1-4503-2623-0 doi: 10.1145/2668084.2668088	ACM New York, NY, USA	Playa Vista, California, USA	2014	125-132	<a href="http://dl.acm.org/citation.cfm?id=2668088">http://dl.acm.org/citation.cfm?id=2668088</a>	NO (open access for only one year)
24	Just browsing? Understanding user journeys in online TV	Yehia Elkhatib, Rebecca Killick, Mu Mu, Nicholas Race	Proceedings of ACM Multimedia			Orlando, USA	2014		<a href="http://dx.doi.org/10.1145/2647868.2654980">http://dx.doi.org/10.1145/2647868.2654980</a>	
25	Live Fallas: A future Internet Smart City app for large-scale events	B. Molina, C.E. Palau, E. Olivares, M. Esteve, M. Montesinos, A. Romeu	IEEE International Conference on Multimedia and Expo (ICME) 2015	June 29 -July 3 (Annual conference, 16th edition)	IEEE	Torino, Italy	2015	pages 1-4	<a href="http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=7169828">http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=7169828</a> doi:	NO

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N O.	Title	Main author	Title of the periodical or the series	Number, date or frequency	Publisher	Place of publication	Year of publication	Relevant pages	Permanent identifiers <sup>4</sup> (if available)	Is/Will open access <sup>5</sup> provided to this publication?
									10.1109/ICMEW.2015.7169828	
26	QoE-aware Inter-stream Synchronization in Open N-Screens Cloud, to appear		Proceedings of the 13th Annual IEEE Consumer Communications & Networking Conference (IEEE CCNC)			Las Vegas, USA	2016			
27	shade.js: Adaptive Material Descriptions	Sons, Kristian, Klein, Felix, Sutter, Jan and Slusallek, Philipp	Computer Graphics Forum	Volume 33, Issue 7	Wiley		2014	51-60	<a href="http://dx.doi.org/10.1111/cgf.12473">http://dx.doi.org/10.1111/cgf.12473</a>	NO
28	Social Connected TV Platform by FIcontent: An Open Toolbox for Creative Developers	Nathalie Cabel; Yehia Elkhatab; Robert Seeliger; Christoph Ziegler; Michael Eble	Adjunct Proceedings of TVX 2014, ACM International Conference on Interactive Experiences for TV and Online Video			Newcastle upon Tyne, UK	2014			
29	Synchronising Video Playback Information within a Distributed		Media Synchronization Workshop (MediaSync)			Nantes, France	2013			

**TABLE A1: LIST OF SCIENTIFIC (PEER REVIEWED) PUBLICATIONS, STARTING WITH THE MOST IMPORTANT ONES**

N O.	Title	Main author	Title of the periodical or the series	Number, date or frequency	Publisher	Place of publication	Year of publication	Relevant pages	Permanent identifiers <sup>4</sup> (if available)	Is/Will open access <sup>5</sup> provided to this publication?
	Framework, in Nantes									
30	Towards Personalised Media Experience and Community Atmosphere		ACM TVX 2014			Newcastle upon Tyne, UK	2014			
31	Towards Personalized Smart City Guide Services	Robert Seeliger, Christopher Krauss, Annette Wilson, Miggi Zwicklbauer, Stefan Arbanowski	"WEB APPLICATIONS AND SMART CITIES In conjunction with WWW2015 Conference, Florence, Italy, May 18th 2015"			Florence, Italy	2015			
32	The Shading Probe: Fast Appearance Acquisition for Mobile AR	Dan A. Calian, Kenny Mitchell, Derek Nowrouzezahrai and Jan Kautz	Proceedings of ACM SIGGRAPH Asia Technical Briefs				2013		<a href="http://www0.cs.ucl.ac.uk/staff/d.calian/preprints/ShadingProbe_SIGGRAPH_Asia_2013.pdf">http://www0.cs.ucl.ac.uk/staff/d.calian/preprints/ShadingProbe_SIGGRAPH_Asia_2013.pdf</a>	
33	User-level Fairness Delivered: Network Resource Allocation		Proceedings of 2015 IEEE/ACM International Symposium on Quality			Portland, USA	2015			

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N O.	Title	Main author	Title of the periodical or the series	Number, date or frequency	Publisher	Place of publication	Year of publication	Relevant pages	Permanent identifiers <sup>4</sup> (if available)	Is/Will open access <sup>5</sup> provided to this publication?
	for Adaptive Video Streaming		of Service (IWQoS) (BEST PAPER AWARD)							
34	XML3D and Xflow: Combining Declarative 3D for the Web with Generic Data Flows	Klein, Felix, Sons, Kristian, Rubinstein, Dmitri and Slusallek, Philipp	Computer Graphics and Applications, IEEE	Volume 33, Issue 5	IEEE		2013	38-47	<a href="http://dx.doi.org/10.1109/MCG.2013.67">http://dx.doi.org/10.1109/MCG.2013.67</a>	NO
35	XML3DRepo: A REST API for Version Controlled 3D Assets on the Web	Doboš, Jozef, Sons, Kristian, Rubinstein, Dmitri, Slusallek, Philipp and Steed, Anthony	Proceedings of the 18th International Conference on 3D Web Technology	Annual conference	ACM	New York, NY, USA	2013	47-55	<a href="http://dx.doi.org/10.1145/2466533.2466537">http://dx.doi.org/10.1145/2466533.2466537</a>	NO
36	xml3d.js: Architecture of a Polyfill Implementation of XML3D	Kristian Sons, Christian Schlinkmann, Felix Klein, Dmitri Rubinstein and Philipp Slusallek	6th Workshop on Software Engineering and Architectures for Realtime Interactive Systems (SEARIS)		IEEE		2013	17-24	<a href="http://dx.doi.org/10.1109/SEARIS.2013.6798104">http://dx.doi.org/10.1109/SEARIS.2013.6798104</a>	NO

**TABLE A2: LIST OF DISSEMINATION ACTIVITIES**

NO.	Type of activities <sup>6</sup>	Main leader	Title	Date/Period	Place	Type of audience <sup>7</sup>	Size of audience	Countries addressed
1	Conference Presentation	GAR	FIA 2013	May 2013	Dublin, Ireland	Policy makers, Other		
2	Demonstrations	DRZ	Swiss Vision Day	May 2013	Zurich, Switzerland	Scientific Community	100	EU
3	Presentation	IAIS, FOK	National FI-PPP Event at German Federal Ministry of Economics and Technology	May 2013	Berlin, Germany	Policy makers, Industry	100	Germany
4	Publication	DFKI	Web3D 2013	June 2013	San Sebastian, Spain	Scientific Community	100	International
5			FI-PPP Startup Europe Workshop	July 2013	Brussels, Belgium	Industry, Policy makers, Other		
6		ETHZ, DRZ	SIGGRAPH 2013	July 2013	Anaheim, CA, USA	Scientific Community, Industry, Policy Makers	2600	International
7	Presentation + Demonstration	IAIS, FOK	Tech Open Air Berlin	August 2013	Berlin, Germany	Industry		
8			London Campus Party	September 2013	London, UK			

<sup>6</sup> 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.

<sup>7</sup> 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).

**TABLE A2: LIST OF DISSEMINATION ACTIVITIES**

NO.	Type of activities <sup>6</sup>	Main leader	Title	Date/Period	Place	Type of audience <sup>7</sup>	Size of audience	Countries addressed
9	Conference	BRLK	Eurographics 2013	September 2013	Bath, UK	Scientific community		EU
10	Exhibition	FOK	IFA 2013	September 2013	Berlin, Germany	Industry, Policy makers, Civil society		
11	Exhibition	IAIS	DMEXCO 2013	September 2013	Cologne, Germany	Scientific Community, Industry	26.300	International
12	Presentation	TRDF	Perspectives for FI-PPP call 3	October 2013	Brussels, Belgium	Policy Makers, Industry		EU
13	Presentation	RBB	Open call roundtable Potsdam	October 2013	Potsdam, Germany			
14	Presentation	GAR	Open call roundtable Cologne	October 2013	Cologne, Germany			
15	Hackathon + Exhibition	SIG	NEM Summit 2013	October 2013	Nantes, France	Industry, Policy makers, Civil society		
16	Presentation	I&R	Open call roundtable Nantes/Rennes	October 2013	Nantes/Rennes, France			
17	Presentation	ETHZ, DRZ	Open call roundtable Zurich	November 2013	Zurich, Switzerland	Industry (SMEs)	6	1
18	Presentation	I2CAT	Open call roundtable Barcelona	November 2013	Barcelona, Spain			
19	Presentation	FOK	Open call roundtable Berlin	November 2013	Berlin, Germany			
20	Presentation	TRDF	Open call roundtable Paris	November 2013	Paris, France			
21	Exhibition + Workshop	IAIS	ICT 2013	November 2013	Vilnius, Lithuania	Scientific Community, Industry, Policy Makers		EU
22		FOK	FUSECO Forum	November 2013	Berlin, Germany			
23	Workshop	GAR	Policy and Business Challenges in Realising Internet Services of the Future	November 2013	Brussels, Belgium	Policy Makers		EU
24	Presentation	ULANC	Open call roundtable Lancaster	December 2013	Lancaster, UK			

**TABLE A2: LIST OF DISSEMINATION ACTIVITIES**

NO.	Type of activities <sup>6</sup>	Main leader	Title	Date/Period	Place	Type of audience <sup>7</sup>	Size of audience	Countries addressed
25	Lecture	IAIS	Social connected TV at University of Siegen	January 2014	Siegen, Germany	Scientific Community	30	Germany
26	Workshop	DFKI	Workshop on Pervasive Games	February 2014	Saarbrücken, Germany	Scientific Community, Other	10	EU
27	Hackathon	ETHZ, DRZ	Augmented reality games Hackathon	February 2014	Zurich, Switzerland	Civil society	40	EU
28	Demonstration	I2CAT	Barcelona Connect: the creative citizen	February 2014	Barcelona, Spain	Civil society		Spain
29	Hackathon	I2CAT	Augmented reality games Hackathon	March 2014	Barcelona, Spain	Civil society	22	Spain
30	Conference + Exhibition	DFKI, SIG	CeBIT Future (Internet) Talks	March 2014	Hannover, Germany	mixed	hundreds-thousands	International
31	Exhibition	GAR, DFKI	FIA Athens	March 2014	Athens, Greece			
32	Workshop	IAIS	Girls' day	March 2014	Birlinghoven, Germany	Civil society	30	Germany
33	Presentation	SIG	NEM 17th General Assembly	April 2014	Brussels, Belgium	Policy Makers, Industry	100	EU
34	Conference	SIG, IAIS	ECFI - European Conference on Internet Science	April 2014	Brussels	Policy Makers	600	EU
35	Lecture	IAIS	Social Connected TV as University of Applied Sciences of Mainz	April 2014	Mainz, Germany	Scientific Community	30	Germany
36	Lecture	IAIS	Seminar on Social connected TV at University of Siegen	April 2014	Siegen, Germany	Scientific Community	30	Germany
37	Exhibition	IAIS	Bonner Wissenschaftsnacht	May 2014	Bonn, Germany	Scientific Community, Civil society	20000	Germany



**TABLE A2: LIST OF DISSEMINATION ACTIVITIES**

NO.	Type of activities <sup>6</sup>	Main leader	Title	Date/Period	Place	Type of audience <sup>7</sup>	Size of audience	Countries addressed
38	Lecture	IAIS	Seminar on Social connected TV at University of Siegen	May 2014	Siegen, Germany	Scientific Community	30	Germany
39	Demonstration	DRZ, BLRK, ETHZ	ARPix in NYC Grand Central Station	May 2014	New York City, USA	Civil Society	1000000	USA
40	Exhibition	FOK	4th FOKUS Media Web Symposium	May 2014				
41	Presentation	ULANC, IRT, FOK, IAIS	ACM TVX 2014	June 2014	Newcastle, UK	Scientific community		EU
42	Demonstrations	FOK	ACM TVX 2014	June 2014	Newcastle, UK	Scientific community		EU
43		DNET	Novi Sad Science festival	June 2014	Novi Sad, Serbia	General public	1000	Serbia
44	Presentation	BLRK	EGSR 2014	June 2014	Lyon, France	Scientific community		
45	Presentation	TRDF	Presentation at the Committee of the regions	June 2014	Brussels, Belgium			
46	Exhibition	BLRK	Game Developer Conference	July 2014				
47		DRZ	Zurich Startup Fair	July 2014				
48	School classes	IAIS, ULANC, IRT	Seminar on Social connected TV	July 2014	Siegen, Germany	Civil Society	22	Germany
49	Presentation	SIG	CAPS2014	July 2014	Brussels, Belgium	Civil society		
50	Hackathon	BLRK	Dare Protoplay	August 2014		Civil society, industry		
51	Conference	BLRK	SIGGRAPH	August 2014				
52	Publication + Workshop	DFKI, BLRK	Web3D 2014	August 2014	Vancouver, Canada	Scientific Community	100	International

**TABLE A2: LIST OF DISSEMINATION ACTIVITIES**

NO.	Type of activities <sup>6</sup>	Main leader	Title	Date/Period	Place	Type of audience <sup>7</sup>	Size of audience	Countries addressed
53	Exhibition	DRZ, ETHZ	Ludicious	September 2014	Zurich, Switzerland	Civil Society	500	Switzerland
54	Exhibition	BIT, IAIS	DMEXCO	September 2014	Cologne, Germany	Scientific Community, Industry	31.900	International
55	Exhibition	RBB, FOK, IRT	IFA 2014	September 2014	Berlin, Germany			
56	Exhibition		IBC	September 2014	Amsterdam, Netherlands			
57	Exhibition	SIG	NEM Summit 2014	September 2014	Brussels, Belgium	Policy Makers, industry	100	EU
58	Exhibition	IRT, RBB	TV Hack day 2014	September 2014	Berlin, Germany			
59	Workshop	FOK, IAIS	Transmedia Linked Film & TV Workshops	September 2014	Potsdam, Germany	Civil Society, Other		Germany
60	Workshop	DFKI	FIWARE Tech Camp at SpeedUp Europe	October 2014	Hamburg, Germany	Scientific community, Civil Society, Other	60	EU
61	Workshop	DFKI	FIWARE Tech Camp at European Pioneers	October 2014	Berlin, Germany	Scientific community, Civil Society, Other	50	EU
62			ICWOAL - International Conference on Web & Open Access to Learning					
63	Exhibition	FOK, BIT	Medientage München	October 2014			6000	
64	Conference	SIG, IAIS	ECFI 2 - European Conference on Internet Science	September 2014	Munich, Germany	Policy Makers, industry, scientific community	600	EU
65	Workshop	DFKI	Startup Weekend at SpeedUp Europe	October 2014	Hamburg, Germany	Scientific community, Civil Society, Other	60	EU

**TABLE A2: LIST OF DISSEMINATION ACTIVITIES**

NO.	Type of activities <sup>6</sup>	Main leader	Title	Date/Period	Place	Type of audience <sup>7</sup>	Size of audience	Countries addressed
66	Workshop	DFKI	Startup Weekend at European Pioneers	October 2014	Berlin, Germany	Scientific community, Civil Society, Other	30	EU
67	Workshop	I&R	FIWARE Startup weekend in Rennes	November 2014	Rennes, France			
68	Publication	ETHZ	CVMP 2014	November 2014	London, UK			
69	Publication		VRST 2014	November 2014	Edinburgh, UK	Scientific Community		
70	Publication	ULANC	ACM Multimedia 14	November 2014	Orlando, Florida, USA	Scientific Community		
71	Publication	BLRK	UK/Japan Symposium on Computer Graphics and Virtual Reality	November 2014	Edinburgh, UK	Scientific Community	30	UK, JP
72	Publication	ETHZ, DRZ	Motion in games 2014	November 2014	Los Angeles, USA	Scientific Community	200	international
73	Demonstration	I&R, EBIZ	Transmusicales 2014	December 2014	Rennes, France	Civil Society	600 / 60 000	FR
74	Exhibition	BIT	NewTV Summit	January 2015	Berlin, Germany	Industry	250	DE
75	Presentation	DFKI	Scientific Advisory Board Meeting 2015	January 2015	Saarbrücken, Germany	Scientific Community	10	EU
76	Presentation	IAIS	1st IIH Bootcamp	January 2015	Paris, France	Industry, Other		EU
77	Workshop	BIT	Global Innovation Leadership Workshop	February 2015	Stanford, USA	Research, Industry		
78	Presentation	BIT	Global Innovation Summit	February 2015	Stanford, USA	Industry		
79			Las Fallas 2015	March 2015	Valencia, Spain			
80	Conference + Exhibition + Demonstrations	TRDF, SIG	FIWARE Media & Content open days	March 2015	Barcelona, Spain	SMEs and Startups	100	ES
81	Workshop	DFKI	FIWARE DevWeek in Madrid	March 2015	Madrid, Spain	Scientific Community, Civil Society, Other	300	EU

**TABLE A2: LIST OF DISSEMINATION ACTIVITIES**

NO.	Type of activities <sup>6</sup>	Main leader	Title	Date/Period	Place	Type of audience <sup>7</sup>	Size of audience	Countries addressed
82	Exhibition	GAR	4YFN (FI-PPP Booth)	March 2015	Barcelona, Spain	SMEs and Startups	1000	EU
83	Workshop	DFKI	FIWARE DevWeek in Brussels	March 2015	Brussels, Belgium	Scientific Community, Civil Society, Other	200	EU
84	Exhibition	SIG	Netfutures 2015	March 2015	Brussels, Belgium	Research	1000	EU
85	Workshop	DFKI	Webinar "XML3D and POIs & GIS" for SpeedUp! Europe applicants	March 2015	Hamburg, Germany	Scientific Community, Civil Society, Other	30	EU
86	Workshop	City Council of Valencia	Valencia Smart City	April 2015	Valencia, Spain	Scientific community, other	150	ES
87	Presentation	MTSA	XV Intelligent Transport Systems	April 2015	Madrid, Spain	Transport operators	20	ES
88	Conference + Exhibition	BIT	mediaX 2015 conference	April 2015	Stanford, USA	Research, Industry	300	USA, JPN, KOR, BRA, CHN
89	Presentation	MIVOQ	IMPACT FIWARE Hackathon	April 2015	Florence, Italy	SMEs and Startups	100	IT
90	Workshop	VIV, DFKI	Enabler Promotion to Phase-III using FIC2Lab	April 2015	Hamburg, Germany	Scientific Community, Civil Society, Other	40	EU
91	Conference	ETHZ, DRZ	Eurographics 2015	May 2015	Zurich, Switzerland	Research, Industry	50	CH (Switzerland)
92	Workshop	RBB, FOK, IAIS, IRT	Social Connected TV Workshop	May 2015	Berlin, Germany	Industry		Germany
93	Exhibition	BIT	Media Convention	May 2015	Berlin, Germany	Industry	7000	DE

**TABLE A2: LIST OF DISSEMINATION ACTIVITIES**

NO.	Type of activities <sup>6</sup>	Main leader	Title	Date/Period	Place	Type of audience <sup>7</sup>	Size of audience	Countries addressed
94	Exhibition	FOK, BIT	5th FOKUS Media Web Symposium	May 2015	Berlin, Germany	Research, Industry	250	
95	Workshop	GAR	FI-C2 Lab and Open Call promotion	May 2015	Cologne, Germany	SMEs and Startups	11	DE
96	Workshop	GAR	Startplatz , FI-C2 Lab	18th May 2015	Cologne, Germany	SMEs and Startups	32	DE
97	Workshop	GAR	Startplatz , FI-C2 Lab	26th May 2015	Cologne, Germany	SMEs and Startups	46	DE
98	Publication	DFKI	Web3D 2015	June 2015	Heraklion Crete, Greece	Scientific Community	100	International
99	Workshop	UPVLC	Smart City Workshop	July 2015	Valencia, Spain	Scientific Community	150	ES
100	Exhibition	FOK	IFA 2015	September 2015	Berlin, Germany	all		DE
101	Presentation	FOK	TV Hack Day '15	September 2015	Berlin, Germany			
102	Exhibition	FOK	IBC 2015	October 2015	Amsterdam, NL			NL
103	Exhibition	FOK, BIT	Medientage München 2015	October 2015	Munich, Germany		6000	DE
104	Presentation	MTSA	New transport systems to remove cash payment	October 2015	Madrid, Spain	Transport operators	30	ES

## 2.2 - Section B (Confidential<sup>8</sup> or public: confidential information to be marked clearly)

### 2.2.1 - Part B1

TABLE B1: LIST OF APPLICATIONS FOR PATENTS, TRADEMARKS, REGISTERED DESIGNS, ETC.					
Type of IP Rights <sup>9</sup> :	Confidential Click on YES/NO	Foreseen embargo date dd/mm/yyyy	Application reference(s) (e.g. EP123456)	Subject or title of application	Applicant (s) (as on the application)
Patent			US2013002698	Virtual Lens-Rendering for Augmented Reality Lens	DISNEY ENTPR INC [US]; GEIGER STEFAN C [CH]; JAROSZ WOJCIECH [CH]; LANG MANUEL J [CH]; MITCHELL KENNETH J [GB]; NOWROUZEZAHRAI DEREK [CH]; SUMNER ROBERT W [CH]; WILLIAMS THOMAS [GB] +
Patent			US2013236040	Augmented Reality (AR) Audio with Position and Action Triggered Virtual Sound Effects	CRAWFORD DAVID W [US]; SAMDAHL AMBER [US]; VORIS JEFFREY [US]; KADAR ISTVAN B [US]; MITCHELL KENNY [GB]; DISNEY ENTPR INC [US] +
Patent			EP2680230	Augmented reality simulation of interactions between	DISNEY ENTPR INC [US] + (DISNEY ENTERPRISES, INC)

<sup>8</sup> Note to be confused with the "EU CONFIDENTIAL" classification for some security research projects.

<sup>9</sup> A drop down list allows choosing the type of IP rights: Patents, Trademarks, Registered designs, Utility models, Others.

**TABLE B1: LIST OF APPLICATIONS FOR PATENTS, TRADEMARKS, REGISTERED DESIGNS, ETC.**

Type of IP Rights <sup>9</sup> :	Confidential Click on YES/NO	Foreseen embargo date dd/mm/yyyy	Application reference(s) (e.g. EP123456)	Subject or title of application	Applicant (s) (as on the application)
				physical and virtual objects	
Patent			US2014002493	Augmented Reality Simulation Continuum	SOBESKI DAVID [US]; LEAKE BRIAN [US]; MITCHELL KENNY [GB]; DISNEY ENTPR INC [US] +
Patent			US2014002472	Augmented Reality Surface Painting	SOBESKI DAVID [US]; LEAKE BRIAN [US]; MITCHELL KENNY [GB]; DISNEY ENTPR INC [US] +
Patent			US20140198096	Mobile tele-immersive gameplay	Kenneth Mitchell - Disney Enterprises, Inc.
Patent	NO		US20140267393	Virtual scene generation based on imagery	Kenneth Mitchell, Gwyneth BRADBURY, Tim Alexander Weyrich - Disney Enterprises, Inc.
Patent			US20140267412	Optical Illumination Mapping	Kenneth Mitchell, Dan Callian
Patent			US20150254903	Augmented Reality Image Transformation	Kenneth Mitchell, Bob Sumner, Mattia Ryffel, et al
Patent	Yes		TO2012A000744	Provision of applications on multiple electronic devices	Institut für Rundfunktechnik GmbH (IRT), Klaus Merkel; et al.
Patent	Yes		MI2014A001716	Polling method	Institut für Rundfunktechnik GmbH (IRT), Klaus Merkel; et al.

## 2.2.2 - Part B2

Type of Exploitable Foreground <sup>10</sup>	Description of exploitable foreground	Confidential Click on YES/NO	Foreseen embargo date	Exploitable product(s) or measure(s)	Sector(s) of application <sup>11</sup>	Timetable, commercial or any other use	Patents or other IPR exploitation (licences)	Owner & Other Beneficiary(s) involved
Commercial exploitation of R&D results	3D Map Tiles	No	None	Has been used in other research projects and demonstrators as part of DFKI exploitation strategy. Potential incorporation into FIWARE portfolio of WebUI GEs.	J58.2 - Software publishing	Already in use	None	DFKI
Commercial exploitation of R&D results	App Generator	No	01/11/2015		J58.2 - Software publishing			eBIZ
Commercial exploitation of R&D results	ARtool	No	01/11/2015		J58.2 - Software publishing			DNET
Commercial exploitation of R&D results	Asset Storage	No	None	Has been used in other research projects and demonstrators as part of DFKI exploitation strategy. Potential incorporation into FIWARE portfolio of WebUI GEs.	J58.2 - Software publishing	Already in use	None	DFKI
Commercial exploitation of R&D results	Audio Mining	No	none	Has been and will be used in other industrial and public funded research projects as part of IAIS exploitation strategy.	J58.2 - Software publishing	Already in use	None	IAIS

<sup>10</sup> A drop down list allows choosing the type of foreground: General advancement of knowledge, Commercial exploitation of R&D results, Exploitation of R&D results via standards, exploitation of results through EU policies, exploitation of results through (social) innovation.

<sup>11</sup> A drop down list allows choosing the type sector (NACE nomenclature) : [http://ec.europa.eu/competition/mergers/cases/index/nace\\_all.html](http://ec.europa.eu/competition/mergers/cases/index/nace_all.html)



Type of Exploitable Foreground <sup>10</sup>	Description of exploitable foreground	Confidential Click on YES/NO	Foreseen embargo date	Exploitable product(s) or measure(s)	Sector(s) of application <sup>11</sup>	Timetable, commercial or any other use	Patents or other IPR exploitation (licences)	Owner & Other Beneficiary(s) involved
Commercial exploitation of R&D results	Augmented Reality - Fast Feature Tracking	No	01/11/2015	DFKI: Has been used in other research projects and demonstrators as part of DFKI exploitation strategy. Potential incorporation into FIWARE portfolio of WebUI GEs.	J58.2 - Software publishing	Already in use	None	ETH, BLRK, DFKI
Commercial exploitation of R&D results	Content Enrichment	No	01/11/2015	Parts of this enabler will be used in other funded research and industrial projects. The CENR API will also extended in funded research projects.	J58.2 - Software publishing	Already in use		FOK
Commercial exploitation of R&D results	Content Optimisation	No	none	Parts of this enabler have been used in other industrial and public funded research projects as part of IAIS exploitation strategy.	J58.2 - Software publishing	Further use of enabler uncertain	None	IAIS
Commercial exploitation of R&D results	Context Aware Recommendation	No	01/11/2015	Activity recognition/classification, framework for definition of custom recommendation matrices, APIs for connecting different content sources with recommender engine, mobile app development SDK	J58.2 - Software publishing	Already in use	Patent applications in preparation for custom recommendation matrix preparation framework and mechanism for dividing open street or google	LCI

Type of Exploitable Foreground <sup>10</sup>	Description of exploitable foreground	Confidential Click on YES/NO	Foreseen embargo date	Exploitable product(s) or measure(s)	Sector(s) of application <sup>11</sup>	Timetable, commercial or any other use	Patents or other IPR exploitation (licences)	Owner & Other Beneficiary(s) involved
							maps into polygons	
Commercial exploitation of R&D results	FIC2Lab documentation qualification pipeline	No	None	Toolset has been advertised to FIWARE/FI-CORE for improving their documentation quality in the catalogue.	J58.2 - Software publishing	No date set.	None	DFKI
Commercial exploitation of R&D results	FIC2Lab portal	No	01/11/2015	The portal is operated for Phase 3 accelerators and subgrantees. The code of the portal is provided as open source software, and can be used by other projects for creating catalogues of software modules. A subset of the project partners considers sustaining the exploitation of the FIC2Lab framework past Phase 3.	J58.2 - Software publishing			VIV
Commercial exploitation of R&D results	FIC2Lab Runner	No	01/11/2015		J58.2 - Software publishing			TCF
Commercial exploitation of R&D results	FIC2Lab software qualification pipeline	No	01/11/2015		J58.2 - Software publishing			IAIS
Commercial exploitation of R&D results	FIC2Lab Tweaker	No	01/11/2015		J58.2 - Software publishing			PIX
Commercial exploitation of R&D results	FINCONS Applications	No	01/11/2015	Results are permanently demonstrable at FINCONS Innovation Lab (Vimercate - Italy),	J58.2 - Software publishing	mid 2016	none	FINCONS

Type of Exploitable Foreground <sup>10</sup>	Description of exploitable foreground	Confidential Click on YES/NO	Foreseen embargo date	Exploitable product(s) or measure(s)	Sector(s) of application <sup>11</sup>	Timetable, commercial or any other use	Patents or other IPR exploitation (licences)	Owner & Other Beneficiary(s) involved
				potential customers interest collected and meetings are being scheduled				
Commercial exploitation of R&D results	Flexible and Adaptive Text to Speech	No	01/11/2015	Has been used in other projects	J58.2 - Software publishing	Already in use	None	MIVOQ
Commercial exploitation of R&D results	Fusion Engine	No	01/11/2015	Has been used in other research projects and PhD lessons in our university	J58.2 - Software publishing	Already in use	None	UPVLC
Commercial exploitation of R&D results	HBB TV Application Toolkit	No	None	Parts of this enabler will be used in other funded research and industrial projects	J58.2 - Software publishing	Already in use	None	FOK, IRT
General advancement of knowledge	Leaderboard	No	01/11/2015		J58.2 - Software publishing	Already in use	None	ETH
Commercial exploitation of R&D results	Open City Database	No	01/11/2015	Based on this enabler a component was developed for an industrial project to enhance streaming media delivery	J58.2 - Software publishing	Already in use	None	FOK
Commercial exploitation of R&D results	OpenDataSoft	No	01/11/2015		J58.2 - Software publishing			ODS
Commercial exploitation of R&D results	Phenomobile Dialog Manager	No	01/11/2015	The enabler is used in two commercial games (a civic participation games, (already online) and an Aquarium Simulation Mobile Game (to be published in 2016) and one research project that combines games with real-world engineering.	J58.2 - Software publishing	Already in use	None	TAK

Type of Exploitable Foreground <sup>10</sup>	Description of exploitable foreground	Confidential Click on YES/NO	Foreseen embargo date	Exploitable product(s) or measure(s)	Sector(s) of application <sup>11</sup>	Timetable, commercial or any other use	Patents or other IPR exploitation (licences)	Owner & Other Beneficiary(s) involved
Commercial exploitation of R&D results	HBB TV Application Toolkit	No	None	Parts of this enabler will be used in other funded research and industrial projects	J58.2 - Software publishing	Already in use	None	FOK, IRT
General advancement of knowledge	Leaderboard	No	01/11/2015		J58.2 - Software publishing	Already in use	None	ETH
Commercial exploitation of R&D results	Open City Database	No	01/11/2015	Based on this enabler a component was developed for an industrial project to enhance streaming media delivery	J58.2 - Software publishing	Already in use	None	FOK
Commercial exploitation of R&D results	OpenDataSoft	No	01/11/2015		J58.2 - Software publishing	Already in use		ODS
Commercial exploitation of R&D results	Phenomobile Character Manager	No	01/11/2015	The enabler is used in two commercial games (a civic participation games, (already online) and an Aquarium Simulation Mobile Game (to be published in 2016) and one research project that combines games with real-world engineering.	J58.2 - Software publishing	Already in use	None	TAK
Commercial exploitation of R&D results	POIProxy	No	01/11/2015		J58.2 - Software publishing			PRO
Commercial exploitation of R&D results	Reality Mixer - Augmented Audio	No	01/11/2015		J58.2 - Software publishing	Already in use		ETH, BLRK
General advancement of knowledge	Reality Mixer - Camera Artifact Rendering	No	01/11/2015		J58.2 - Software publishing	Already in use	None	ETH

Type of Exploitable Foreground <sup>10</sup>	Description of exploitable foreground	Confidential Click on YES/NO	Foreseen embargo date	Exploitable product(s) or measure(s)	Sector(s) of application <sup>11</sup>	Timetable, commercial or any other use	Patents or other IPR exploitation (licences)	Owner & Other Beneficiary(s) involved
Commercial exploitation of R&D results	Reality Mixer - Relection Mapping	No	None	DFKI: Has been used in other research projects and demonstrators as part of DFKI exploitation strategy. Potential incorporation into FIWARE portfolio of WebUI GEs.	J58.2 - Software publishing	Already in use		ETH, BLRK, DFKI
Commercial exploitation of R&D results	OpenDataSoft	No	01/11/2015		J58.2 - Software publishing			ODS
Commercial exploitation of R&D results	Phenomobile Dialog Manager	No	01/11/2015		J58.2 - Software publishing			TAK
Commercial exploitation of R&D results	POIProxy	No	01/11/2015		J58.2 - Software publishing			PRO
Commercial exploitation of R&D results	Reality Mixer - Augmented Audio	No	01/11/2015		J58.2 - Software publishing	Already in use		ETH, BLRK
General advancement of knowledge	Reality Mixer - Camera Artifact Rendering	No	01/11/2015		J58.2 - Software publishing	Already in use	None	ETH
Commercial exploitation of R&D results	Reality Mixer - Relection Mapping	No	None	DFKI: Has been used in other research projects and demonstrators as part of DFKI exploitation strategy. Potential incorporation into FIWARE portfolio of WebUI GEs.	J58.2 - Software publishing	Already in use		ETH, BLRK, DFKI
Commercial exploitation of R&D results	Second Screen Framework	No	01/11/2015		J58.2 - Software publishing			IRT
Commercial exploitation of R&D results	SLAMflex	No	01/11/2015		J58.2 - Software publishing			DNET

Type of Exploitable Foreground <sup>10</sup>	Description of exploitable foreground	Confidential Click on YES/NO	Foreseen embargo date	Exploitable product(s) or measure(s)	Sector(s) of application <sup>11</sup>	Timetable, commercial or any other use	Patents or other IPR exploitation (licences)	Owner & Other Beneficiary(s) involved
Commercial exploitation of R&D results	Social Network	No	01/11/2015		J58.2 - Software publishing			PIX
Commercial exploitation of R&D results	TV Application Layer	No	01/11/2015	Currently underlying BBC iPlayer, BBC Sport and other BBC TV applications	J58.2 - Software publishing	Already in use		ULANC
General advancement of knowledge	Unusual Database-Event Detection	No	01/11/2015		J58.2 - Software publishing	Already in use	None	ETH
Commercial exploitation of R&D results	VideoCloud	No	01/11/2015	Results have been incorporated in other projects and products	J58.2 - Software publishing	01/11/2015	-	BT

The foreground produced are software modules and experience acquired by experimenting applications based on these modules in the user experimentation sites.

- The foreground is primarily used by the developers of the modules for developing their respective businesses.
- The modules are further made available either by ways of source code or by ways of SaaS hosted services for use by third parties via clear terms and conditions.
- Finally a majority of the modules are published under Open Sources terms allowing third parties to use and modify them to adapt to their own needs?.

The Intellectual property produced belongs to the developers of the modules and is protected by the Terms and Conditions described in Deliverable D5.4 and published on the lab.mediafi.org portal.

Most of the software modules will continue to be sustained and further developed by their initial developers. In addition to the continued development by the initial developers, the Open Source modules will possibly also be enhanced and further expanded by the user community of these modules.

*end of the document*