FP7-REGPOT-2012-2013-1

Grant Agreement: 316087

AComIn:
Advanced Computing for Innovation

FP7 Capacity Programme
Research Potential of Convergence Regions

D5.4
AComIn Awareness Raising and
Wider Societal Implications

Galia Angelova, AComIn coordinator

Due date of the deliverable: 30/09/2015

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Start date of the project: 01/10/2012   **Duration: 42 months**

Version 1.0

EXECUTIVE SUMMARY

Deliverable D5.4 "AComIn Awareness Raising and Wider Societal Implications" summarises different aspects of awareness raising, ethical issues and societal implications related to the AComIn project and its implementation. The text includes a number of questions, arranged in key themes.

The questionnaire is provided by the European Commission in the section "Report on Societal implications" of the "Guidance Notes of Project Reporting in FP7".

Document Information

Project number	316087		Project Acronym	AComIn
Project title	Advanced Computing for Innovation			
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Deliverable	Number	D5.4	Title	AComIn Awareness Raising and Wider Societal Implications
Work package	Number	5	Title	Dissemination

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Summary	Deliverable D5.4 "AComIn Awareness Raising and Wider Societal Implications" summarises different aspects of awareness raising, societal implications and ethical issues related to the AComIn project and its implementation. The text includes a number of questions, arranged in key themes, as provided in the section "Report on Societal implications" of the "Guidance Notes of Project Reporting in FP7".
Keywords	Awareness, Wider societal implications, Ethical issues, People, Workforce statistics, Gender aspects

Version log/Date	**Change**	**Author**
v. 0.1, 15/09/2015	Table of Content presented to the AComIn Executive Board for approval	Galia Angelova
v. 0.2, 23/09/2015	Version 0.2 sent to AComIn Executive Board for comments and suggestions	Galia Angelova
v. 1.0, 30/09/2015	Final version 1.0 for delivery to the EC	Galia Angelova

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REPORT ON SOCIETAL IMPLICATIONS

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

Grant Agreement Number:	FP7 316087
Title of Project:	Advanced Computing for Innovation
Name and Title of Coordinator:	Prof. Galia Angelova, Institute of information and Communication Technologies, Bulgarian Academy of Sciences

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):	**NO**

RESEARCH ON HUMANS	
Did the project involve children?	
Did the project involve patients?	
Did the project involve persons not able to give consent?	
Did the project involve adult healthy volunteers?	
Did the project involve Human genetic material?	
Did the project involve Human biological samples?	
Did the project involve Human data collection?	
RESEARCH ON HUMAN EMBRYO/FOETUS	
Did the project involve Human Embryos?	
Did the project involve Human Foetal Tissue / Cells?	
Did the project involve Human Embryonic Stem Cells (hESCs)?	
Did the project on human Embryonic Stem Cells involve cells in culture?	
Did the project on human Embryonic Stem Cells involve the derivation of cells from Embryos?	
PRIVACY	
Did the project involve processing of genetic information or personal data (eg. health, sexual lifestyle, ethnicity, political opinion, religious or philosophical conviction)?	
Did the project involve tracking the location or observation of people?	
RESEARCH ON ANIMALS	
Did the project involve research on animals?	
Were those animals transgenic small laboratory animals?	

Were those animals transgenic farm animals?	
Were those animals cloned farm animals?	
Were those animals non-human primates?	
RESEARCH INVOLVING DEVELOPING COUNTRIES	
Did the project involve the use of local resources (genetic, animal, plant etc)?	
Was the project of benefit to local community (capacity building, access to healthcare, education etc)?	
DUAL USE	
Research having direct military use	
Research having the potential for terrorist abuse	

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	**1**	**0**
Work package leaders	**2**	**4**
Experienced researchers (i.e. PhD holders)	**11**	**25**
PhD Students	**1**	**4**
Other	**12**	**6**

4. How many additional researchers (in companies and universities) were recruited specifically for this project?	**16**
Of which, indicate the number of men:	**11**

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	Promotional event – demo of 3D technologies, printing and scanning. Yearly Doors Open Days
○	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[1]: **1.1**
- ● Associated discipline[1]: 2.2 ● Associated discipline[1]: 3.3

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

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

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1   Insert number from list below (Frascati Manual).

13b If Yes, in which fields?

Agriculture	Energy	Human rights
Audiovisual and Media	Enlargement	Information Society
Budget	Enterprise	Institutional affairs
Competition	Environment	Internal Market
Consumers	External Relations	Justice, freedom and security
Culture	External Trade	**Public Health** ●
Customs	Fisheries and Maritime Affairs	Regional Policy
Development Economic and Monetary Affairs	Food Safety	Research and Innovation
	Foreign and Security Policy	Space
Education, Training, Youth	Fraud	Taxation
Employment and Social Affairs	Humanitarian aid	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?	**165**
To how many of these is open access[2] provided?	**74**
How many of these are published in open access journals?	**69**
How many of these are published in open repositories?	**15**
To how many of these is open access not provided?	**91**
Please check all applicable reasons for not providing open access: publisher's licensing agreement would not permit publishing in a repository	

- **x** publisher's licensing agreement would not permit publishing in a repository

   no suitable repository available

- **x** 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

- **x** other[3]: **often the highly-ranked journals (with IF) are not open access, but the scientific quality is a project performance indicators – so the researchers are expected to publish in these journals**

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).*	**4**

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2   Open Access is defined as free of charge access for anyone via Internet.

3   For instance: classification for security project.

16. Indicate how many of the following Intellectual Property Rights were applied for (give number in each box).	Trademark	0
	Registered design	2
	Other	0

17. How many spin-off companies were created / are planned as a direct result of the project?	**0**
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,	**x**	**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:*
Difficult to estimate / not possible to quantify	**9,39**

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?

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

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

x	Language of the coordinator - **Bulgarian**	x	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]