

# **COST**

Domain Committee "ICT"

## **COST Action IC1206**

**Start Date (26/03/2013)**

### *De-identification for Privacy Protection in Multimedia Content*

## **MONITORING PROGRESS REPORT**

***Reporting Period: from 26/03/2013 to 30/04/2013***

This Report is presented to the relevant Domain Committee.  
It contains three parts:

- I. Management Report prepared by the COST Office/Grant Holder***
- II. Scientific Report prepared by the Chair of the Management Committee of the Action***
- III. Previous versions of the Scientific Report; i.e., part II of past reporting periods***

#### **Executive summary:**

The kick-off meeting of the COST Action IC1206 was held on Tuesday 26<sup>th</sup> March 2013. There were 18 partners participating the meeting. Four participants from Non-COST parties (USA and China) were unanimously approved. During the period after the kick-off meeting additional four EU countries have joined to the Action (Austria, Belgium, Turkey, and Serbia). The chair (S. Ribaric) and co-chair (Carmen Garcia Mateo) of the Action were elected unanimously. University of Vigo (ES) was selected as Grant Holder for the Action. Dr Jerneja Zganec Gros (SI) and Dr Dijana Petrovska-Delacretaz (FR) volunteered for the role of Action Financial Rapporteurs, with unanimous approval from the Management Committee. Four working groups (WG1: De-identification methods for biometric identifiers, WG2: De-identification methods for soft- and non-biometric identifiers, WG3: Applications and added value of de-identified data, WG4: Ethical, bioethical, societal and legal aspects and guidelines for de-identification and reversible de-identification) were accepted and their leaders and vice-leaders were elected unanimously. Total number of individual participants involved in the Action work is 46 of which 30% are female, Early Stage Researcher and PhD students. STSM Committee was created for promoting and coordinating STSMs and three members of this committee were elected. There are 8 (eight) STSMs planned for the period from 1st June 2013 to 31 May 2014. The objectives and activities for the period from 1<sup>st</sup> June 2013 to 31 May 2014 are defined. The final versions of the workplan and budget have been submitted to COST office for approval.

## ***I. Management Report prepared by the COST Office/Grant Holder***



### ***I.A. COST Action Fact Sheet***

- **COST Action IC1206** – *De-identification for Privacy Protection in Multimedia Content*
- **Domain** *Information and Communication Technologies (ICT)*

- **Action details:**

**CSO Approval:** 21/11/2012

**End date:** 25/03/2017

**Entry into force:** 26/03/2013

**Extension:** (day/month/year)

- **Objectives**

*The main objectives considered for the Action can be summarized as follows.*

- *To establish mechanisms for sharing knowledge and technology among experts in different (usually complementary) fields related to automated de-identification and reversible de-identification for privacy protection in multimedia contents.*
- *To determine the classes of biometric/soft biometric/non-biometric identifiers that are normally present in multimedia contents.*
- *To specify approaches to characterising the correspondence between the choice of de-identification method(s) and the given scenarios and environments.*
- *To provide innovative solutions for concealing, or removal of, identifiers while preserving data utility and/or naturalness (e.g. de-identification of voice and face in a given video document whilst preserving natural movement of lips).*
- *To investigate reversible de-identification and to provide a thorough analysis of security risks of reversible de-identification.*
- *To provide a detailed analysis of legal, ethical and social repercussion of reversible/non-reversible de-identification*
- *To promote and facilitate the transfer of knowledge to all stakeholders (scientific community, end-users, etc.) through workshops, conference special sessions, seminars and publications.*
- *To initiate innovation in the training of ESRs and end-users by means of training schools (e.g., online and onsite schools and events and STSMs);*

• **Parties:**

Austria 08/04/2013	Italy 29/01/2013
Belgium 26/03/2013	Malta 19/12/2012
Bosnia and Herzegovina 12/03/2013	Poland 14/12/2012
Croatia 14/12/2012	Portugal 11/01/2013
Cyprus 13/02/2013	Serbia 24/04/2013
Czech Rep. 27/02/2013	Slovenia 25/03/2013
Denmark 19/12/2012	Spain 30/11/2012
Finland 14/01/2013	Switzerland 01/03/2013
FYR of Macedonia 25/12/2012	Turkey 10/04/2013
France 22/01/2013	United Kingdom 27/11/2012
Germany 17/01/2013	
Greece 26/02/2013	

• **Intentions to accept: -**

• **Other participants:**

*Carnegie Mellon University, United States of America, Pittsburgh  
West Virginia University, United States of America, Morgantown  
Institute of Automation, Chinese Academy of Science, China, Beijing*

**Chair:** *Prof. Slobodan Ribaric,  
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**Administrative Officer:** *Mr Philippe  
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• **Action Web site:** /under construction: The provisional address:  
<http://webs.uvigo.es/costic1206/>

• **Grant Holder Representative** *University of Vigo, Spain,  
Mr. Manuel Castro Oliva, otri9@uvigo.es*

• **Working Groups**

WG1: De-identification methods for biometric identifiers  
WG2: De-identification methods for soft- and non-biometric identifiers  
WG3: Applications and added value of de-identified data  
WG4: Ethical, bioethical, societal and legal aspects and guidelines for de-identification and réversible de-identification

**WG1:**

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7. Michael Friedewald, Competence Center Emerging Technologies, Fraunhofer-Institut für System- und Innovationsforschung ISI, 76139 Karlsruhe,

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8. Dirk De Bot, Law Science Technology & Society (LSTS), Vrije Universiteit Brussel, Pleinlaan 2, B-1050 Brussels, Belgium, <Dirk.De.Bot@vub.ac.be>

### **I.B. Management Committee member list**

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## I.C. Overview activities and expenditure

### (year) Budget

Total Action Budget:

Remaining Action Commitment:

#### Meetings

Meeting Type	Date	Place							Cost	Total
Kick-off meeting	26/3/2013									0

#### STSM

Beneficiary	Date	Place							Cost	Total
										0

#### Workshops

Title	Date		Place						Cost	Total
	From	To	From	To						
										0

#### General Support Grants

Beneficiary	Date								Cost	Total
										0

#### Schools

Title	Date	Place							Cost	Total
										0

#### Dissemination

Title	Date	Place							Cost	Total
										0

#### Others


Action Total : 0

## **II. Scientific Report**

On kick-off meeting was held in Brussels on Tuesday 26<sup>th</sup> March 2013. The chair (S. Ribaric) and co-chair (Carmen Garcia Mateo) of the Action were elected unanimously. University of Vigo (ES) was selected as Grant Holder for the Action. Dr Jerneja Zganec Gros (SI) and Dr Dijana Petrovska-Delacretaz (FR) volunteered for the role of Action Financial Rapporteurs, with unanimous approval from the Management Committee.

The following participants from Non-COST parties were unanimously approved:

Prof. Tieniu Tan, and Prof. Liang Wang from Institute of Automation, Chinese Academy of Science (China),

Prof. Bhiksha RAJ from Language Technologies Institute, School of Computer Science Carnegie Mellon University, (USA),

Prof. Bojan Cukic from Department of Computer Science & Electrical Engineering, West Virginia University (USA).

Four working groups were accepted and their leaders and vice-leaders were elected unanimously:

WG1: De-identification methods for biometric identifiers

Leader: Prof. Isabel Trancoso

Vice-Leader: Dr. Alberto Abad

WG2: De-identification methods for soft- and non-biometric identifiers

Leader: Prof. Zheng-Hua Tan

Vice-Leader: Prof. Marcos Faundez

WG3: Applications and added value of de-identified data

Leader: Prof. Jean-François Bonastre

Vice- Leader: Prof. Ivo Ipšić

WG4: Ethical, bioethical, societal and legal aspects and guidelines for de-identification and reversible de-identification

Leader: Dr. Emilio Mordini

Vice- Leader: Prof. Joe Cannataci

STSM Committee was created for promoting and coordinating STSMs and three members of this committee were elected: Prof. Patrizio Campisi (Chair), Prof. Carmen Garcia-Mateo and Dr. Piotr Staroniewicz.

The main activity between the kick-off meeting and the end of the report period (30<sup>th</sup> April 2013) has been finalisation of the workplan and budget for the time period from 1<sup>st</sup> June 2013 to 31 May, 2014. The place (Zagreb) and date (8<sup>th</sup> and 9<sup>th</sup> July, 2013) of the next MC meeting are determined.

The objectives and planned activities are appropriately distributed into Sections A, B and C.

### **II.A. Innovative networking**

- To define the program of scientific activities in the areas of de-identification and privacy protection (for the period June, 2013 to May 2014) and starting a coordinated networking of scientific activities of the working groups WG1 – WG4 (Objective)
- Starting the Working Group activities based on detailed programme of the Working Groups WG1- WG4 which will be approved on the second MC meeting (MCM2) in Zagreb /Objective 1, 2 and 3/ (Activity)
- To define the framework for analyses of ethical and legal repercussion of de-identification for privacy protection (Objective)
- Presentation of the national research projects related to biometrics, de-identification and privacy protection and analysing the possibility of co-operation and exchanging the results of research on MCM2 , MCM3, WGsM1, WGsM2 (Activity)
- Organising the Core Group Meeting CGM1 (Chair, Vice-Chair, 4 Working Group Leaders) – defining and coordinating the activities of WGs and all stockholders involved in the Action. During the CGM1 (March 2014) the members will analyse and evaluate the realization of the program and define the measures to achieve the Objectives for the first grant period.

## ***II.B. Inter-disciplinary networking***

- To determine the classes and propose the taxonomy of biometric/soft biometric/non-biometric identifiers which are normally present in multimedia contents (Objective)
- Organizing the WG meetings with short presentations given by the experts, ESRs and Ph.D students (WGsM1, WGsM2)(Activity)
- Creating liaisons with the other COST Actions and FP7 projects (Objective)
- Establishing links with Croatian Data Protection Agency and other national data and privacy protection agencies. Establishing the link with RESPECT (FP7 project)(Activity)
- Organizing the Joint WG meeting of ethical and privacy issues JoinWGsM– cooperation of IC1206 (WG4) and IC1106 (WG6) COST Actions, Darmstadt, Germany 6th September, 2013
- Establishing links with appropriate organizations, national and international research projects in the domain of the Action interest (Objective)
- Fostering and activation of inter-partner Short Term Scientific Mission (STSM) visits (Objective)
- To promote the involvement of ESRs and PhD students in the Action's activities (Objective)
- Defining the measures for achieving eight (8) STSMs visits (for ESRs and experts) /Objectives 6 and 7/ and approve the preliminary programmes of STSMs for the first half of a period (on the MCM2)(Activity)
- To disseminate of research work through joint scientific publications, web site and by organizing the conference special session(s) related to de-identification and privacy protection (Objective)

## ***II.C. New networking***

- During the period after the kick-off meeting additional four EU countries have joined to the Action (Austria, Belgium, Turkey, Serbia),
- Total number of individual participants involved in the Action work. Number of participants: 37; 25 % of female and of Early Stage Researcher and PhD student participants: 5
- Involvement of Early Stage Researchers in the Action, in particular with respect to STSMs, networking activities, and Training Schools. There are 8 (eight) STSMs planned for the period from 1<sup>st</sup> June 2013 to 31 May 2014.
- Approve the preliminary programmes of STSMs for the second half of a period (on the MCM3) and realization of the STSMs (Activity)
- Involvement of researchers from outside of COST Countries. (Number of participants from non-COST Countries approved by the CSO: 4; 0 % of such participants from countries with reciprocal agreements.
- Organising the special session Biometrics & De-identification & Privacy Protection at MIPRO 2014 - 37th International Convention, CIS - Intelligent Systems; Opatija, Croatia, May 2014. The partners from IC1106 COST Action are invited to participate this event. (Activity)
- Establishing link with non-COST partner (USA) (Objective)
- Realization of one STSM with non-COST country (Activity)
- Setting up the Action web site (Objective)
- Establishing COST Action web site (Activity)

***II.D. Self evaluation***

***III. Previous scientific report(s)***

This is the first report.