

# Highlights on ADDPRIV's annual progress for public dissemination

Deliverable 8.3

Trinity College Dublin



**A**utomatic **D**ata relevancy **D**iscrimination for  
a **PRIV**acy-sensitive video surveillance





Automatic Data relevancy Discrimination for a PRIVacy-sensitive videosurveillance

*SEC-2010.6.5-2 - Use of smart surveillance systems, data protection, integrity and sharing information within privacy rules*

## **D8.3 – Highlights on ADDPRIV’s annual progress for public dissemination**

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The ADDPRIV consortium has addressed all comments received, making changes as necessary. Changes to the document are detailed in the change log table below.

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23-28/01/2013	TCD	Draft	Inclusion of information received from partners
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## **Acknowledgements**

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The project consortium is composed by: Anova IT Consulting (ANOVA), Kingston University Higher Education Corporation (KU), Politechnika Gdanska (GDANSK), Lancaster University (ULANCS), Avanzit Tecnologia, S.L. (AVANZIT), Hewlett Packard Italiana Srl (HP), Società Per Azioni Esercizi Aeroportuali Sea SPA (SEA), Renfe Operadora (RENFE) and The Provost Fellows & Scholars Of The College Of The Holy And Undivided Trinity Of Queen Elizabeth Near Dublin (TCD).

## **More Information**

Public ADDPRIV reports and other information pertaining to the project are available through ADDPRIV public website under [www.addpriv.eu](http://www.addpriv.eu)

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## **1. Introduction**

The ADDPRIV project, now at the end of its second year, was created with the aim of furthering research into the overlapping areas of privacy and security technology. The results of the work carried out for ADDPRIV are also intended to inform the future developments in the European Union in relevant standards of practice.

This report highlights the activities of the project partners aimed at increasing awareness of the ADDPRIV project, its goals and achievements throughout the course of the last 12 months of the project. Section 2 of the report contains a list of the members of the Exploitation and Dissemination committee for the project. Section 3 contains a brief outline of the dissemination strategy foreseen for the project at its inception, along with a summary of the work achieved in this area during the 12 months of the project. Section 4 gives detailed descriptions of each of the activities carried out during the last 12 months of the project. Section 5 gives information on activities planned for the coming year and finally conclusions to the report are provided in Section 6.

## 2. Exploitation and Dissemination Committee

The following are the members of the Exploitation and Dissemination Committee<sup>1</sup>;

- Mr D’Arminio (chair), Anova IT Consulting, Project co-ordinator,
- Prof. Czyzewski (head of dissemination activities), Politechnika Gdanska, Universities’ representative,
- Mr Plaza, Avanzit Tecnología, LE representative,
- Dr. Falsina, SEA, End User representative.

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<sup>1</sup> ADDPRIV. (2010) Annex 1 – Description of Work Part B.

## 3. Summary of ADDPRIV Dissemination Strategy

The dissemination strategy for the ADDPRIV project is detailed in Part B of the ADDPRIV Description of Works<sup>2</sup>, a brief summary of which is provided below. The strategy is designed to circulate the project's goals and results to a wide audience.

### 3.1. Concept Summary

Among those highlighted as target audiences by the Description of Works for the ADDPRIV project<sup>2</sup> are members of the scientific community in relevant fields; persons in industries to whom these results may be of interest, and who represent potential end users, the general public and those responsible for making policies in the European Union. The channels by which these audiences are to be reached are set out as part of the strategy. Journals, conference proceedings and presentations, book chapters (or white papers) and PhD theses are envisaged as the most appropriate means of communication with the scientific community. End users and those in relevant industries will be reached through industry fairs and "one-to-one dissemination via participant's own contact networks"<sup>2</sup>. It is expected that the general public can be reached through the press (newspapers, magazines and "industrial bulletins"<sup>2</sup>), through a specially developed ADDPRIV website and through information provided on the websites of the project participants. The "activities targeted to policy makers" will include presentations of the project at relevant events and engagement with other framework projects, which are researching in related fields.<sup>2</sup>

### 3.2. Strategy and Previous Achievements Summary

In the first deliverable<sup>3</sup> of this work package highlights of ADDPRIV's dissemination activities and a summary of the dissemination strategy was set out to demonstrate how the participants would achieve the requirements set for them in Part B of the Description of Works<sup>2</sup>. The strategy and the achievements detailed in that report are summarised here as a foundation for the information on the last 12 months' activities, which are detailed in later sections of this report.

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<sup>2</sup> ADDPRIV. (2010) Annex 1 – Description of Work Part B.

<sup>3</sup> Trinity College Dublin, Anova, Gdansk and Lancaster. (2012). Deliverable 8.2 – Highlights on ADDPRIV's annual progress for public dissemination. ADDPRIV consortium, [www.addpriv.eu](http://www.addpriv.eu)

### 3.2.1. Online

- ADDPRIV public website

This website ([www.addpriv.eu](http://www.addpriv.eu)) was developed during the first year of the project as a means of providing information to the general public on the aims and achievements of the ADDPRIV project. It has been used as a channel for disseminating ADDPRIV's public deliverables as well as posting news updates for the general public. ADDPRIV consortium members can also gain access to the members' platform through this website.<sup>4</sup>

- Participants' web pages

Information about ADDPRIV was placed on the websites of five members during the first year of the project.<sup>4</sup>

- Other

ADDPRIV appeared, by way of news stories, announcements or articles, on three other websites during the first year of the project.<sup>4</sup>

### 3.2.2. Publications

- Scientific papers

Three academic papers based on ADDPRIV research were published during the first year of the project<sup>4</sup>. In total, 15 scientific papers are expected by the end of the project<sup>5</sup>.

- Book chapters or white papers

It is envisaged that 2 book chapters or white papers based on the results of ADDPRIV research will be published by the end of the project.<sup>5</sup>

- Popular media

A total of 10 articles are expected to be published in the course of the project<sup>5</sup>. In the first 12 months, 1 newspaper article was published<sup>4</sup>.

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<sup>4</sup> Trinity College Dublin, Anova, Gdansk and Lancaster. (2012). Deliverable 8.2 – Highlights on ADDPRIV's annual progress for public dissemination. ADDPRIV consortium, [www.addpriv.eu](http://www.addpriv.eu)

<sup>5</sup> ADDPRIV. (2010) Annex 1 – Description of Work Part B.

### **3.2.3. Presentations**

- International scientific conferences & Industrial exhibitions

The Description of Work set out that presentations on ADDPRIV should be made at 12 conferences during the project and at 12 exhibitions<sup>6</sup>. By the end of the first 12 months, 7 presentations had been made by ADDPRIV participants.<sup>7</sup>

### **3.2.4. Other**

In addition to the previous tasks specified by the Description of Work, members of the project consortium carried out various other dissemination activities aimed at raising the profile of the project. A promotional video and brochure for the ADDPRIV project were produced. The “methods involved in the ADDPRIV project” were published on a Polish public TV service, Wiadomosci TVP1, on October 24<sup>th</sup>, 2011. Members also disseminated information on the project through one-to-one discussions with contacts.<sup>7</sup>

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<sup>6</sup> ADDPRIV. (2010) Annex 1 – Description of Work Part B

<sup>7</sup> Trinity College Dublin, Anova, Gdansk and Lancaster. (2012). Deliverable 8.2 – Highlights on ADDPRIV’s annual progress for public dissemination. ADDPRIV consortium, [www.addpriv.eu](http://www.addpriv.eu)

## 4. Dissemination Activities During the last 12 months

During the second year of the project, the consortium members have continued their efforts to improve awareness of the project in academic, public and industry circles. The activities carried out in order to further these aims are detailed in the following sections. Section 4.1 gives accounts of all contributions to technical events. Section 4.2 gives details of the publications achieved during the last 12 months. Section 4.3 covers activities to raise the projects profile in the press and Section 4.4 details the other activities of the consortium members aimed at disseminating the goals and results of the ADDPRIV project.

### 4.1. Contributions to Technical Events

The activities detailed in this section include contributions to conferences, workshops and symposiums. These activities comprised presentations of results as well as presentations of the overall project.

- **University College London (UCL) Science and Technology Studies (STS) Seminar Series**

*University College London, 5th March, 2012.*

Contribution Title: An Ethnography of Deleting: In Search of the Right to be Forgotten.

Contribution Type: Invited seminar.

Authors and Partners Involved: Daniel Neyland, (University of Lancaster).

Abstract: Deletion appears to be a routine, taken for granted aspect of our everyday lives. However, despite numerous studies of the 'everyday,' little close social science scrutiny has been given to the nature of deletion. In what ways would deletion impact upon security? Is deletion an ethical step up from default storage of information? This presentation provides an ethnographic answer to these questions. It reports on two social scientists' work on a project to design, build and market a new 'ethical' surveillance system based on default deleting of video footage. The presentation will look at the development and testing of this system and the role played by social scientists in assessing the ethics of deleting.

Language: English.

- **SafeCity 2012**

*Genoa, Italy; 19 March 2012.*

Contribution Title: Security and sustainability of smart and citizen-level strategic infrastructures.

Contribution Type: Coordination of one workshop (150 international, relevant participants).

Authors and Partner Involved: Giovanni Falsina, (SEA).

Abstract: SafeCity is a platform to meet and propose solutions to effectively respond to real needs, to make possible a better governance of urban security and to exchange Euro-Mediterranean best practices, innovative technologies and solutions. The theme of SafeCity 2012 was the analysis and constructive debate about the resources, policies, technologies and projects for the combination of urban security, civil protection and sustainable development.

Language: Italian.

Additional Comments: For more information: [www.safecityeuromed.org/](http://www.safecityeuromed.org/)

- **132nd Audio Engineering Society Convention**

*Hungary, Budapest; April 2012.*

Contribution Title: Sensitive Audio Data Encryption for Multimodal Surveillance Systems.

Contribution Type: Paper.

Authors and Partner Involved: Janusz Cichowski, Andrzej Czyżewski (Politechnika Gdanska, Poland).

Abstract: Novel algorithms for data processing in audiovisual surveillance systems were developed allowing for a better personal data protection. The solution merging the image and audio encryption for privacy-sensitive data protection employing audio stream is described. The main objectives of this research study including motivation and the state of the art are presented with a comprehensive explanation of audio stream relation to the surveillance. The invertible encryption methodology for privacy preserving using audio container is applied. The experiments are described and obtained results are reported, including prospects for future improvements.

Language: English.

- **Workshop in “Comune di Firenze” (the local government agency)”**<sup>8</sup>

*Firenze, Italy; 18 April, 2012.*<sup>8</sup>

Contribution Title: ADDPRIV: A smart surveillance system.<sup>8</sup>

Contribution Type: Presentation of ADDPRIV project.<sup>8</sup>

Authors and Partner Involved: Mauro Tinelli (HP Italy).<sup>8</sup>

Abstract: The workshop concerned the protection of “artistic assets in museum or ancient buildings”.<sup>8</sup>

- **Forum of Investment and Business Co-operation Spain - Colombia**<sup>8</sup>

*Bogotá, Colombia – Spanish ICEX; 18-20 April, 2012.*<sup>8</sup>

Contribution Title: Presentation of ADDPRIV project<sup>8</sup>

Contribution Type: A presentation of the ADDPRIV project.<sup>8</sup>

Authors and Partner Involved: ANOVA IT Consulting.<sup>8</sup>

Additional Comments: More information available at:  
[www.eltiempo.com/politica/ARTICULO-WEB-NEW\\_NOTA\\_INTERIOR-11610966.html](http://www.eltiempo.com/politica/ARTICULO-WEB-NEW_NOTA_INTERIOR-11610966.html)

- **Picture Coding Symposium 2012**<sup>9</sup>

*Kraków, Poland; 7 – 9 May, 2012.*<sup>9</sup>

Contribution Title: Augmenting cartographic information using data from video surveillance system.<sup>9</sup>

Authors and Partner Involved: Lisowski, K. and Czyzewski, A. (Politechnika Gdanska, Poland).<sup>9</sup>

Publication: Picture Coding Symposium 2012.<sup>9</sup>

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<sup>8</sup> ADDPRIV. (2013) ‘ADDPRIV – Presentations’, Available at: [www.addpriv.eu](http://www.addpriv.eu) [Accessed 23 January 2013]

<sup>9</sup> ADDPRIV. (2013) ‘ADDPRIV – Papers & Publications’, Available at: [www.addpriv.eu](http://www.addpriv.eu) [Accessed 23 January 2013]

- **8th Forensic Seminar**

*Zielona Góra, Poland; 16 – 18 May 2012.*

Contribution Title: Features and prospects of development of smart surveillance systems. Methods of human movement description for the classification of events.

Contribution Type: Presentation (Lecture).

Authors and Partner Involved: Piotr Szczuko (Politechnika Gdanska, Poland).

Abstract: The presentation first introduced a concept of Intelligent Monitoring System, involving automatic audio and video analysis for improving bystanders' privacy and for increasing awareness of the system operator. Methods of audio and video processing and event detection were briefly described, followed by insight on future trends in monitoring systems: privacy protection, automatization, and large area distributed systems.

Language: Polish.

- **Royal Geographical Society Annual Conference**

*Edinburgh, Scotland, United Kingdom; 4th July, 2012.*

Contribution Title: Accomplishing sociomateriality: closed-circuit surveillance systems, markets and ontological insecurity.

Contribution Type: Conference paper.

Authors and Partner Involved: Daniel Neyland and Inga Kroener, (University of Lancaster).

Abstract: This paper focuses on the use of CCTV systems. In particular, this paper will argue that CCTV has been invoked in discussions of both spaces of market relations and spaces which are in need of marketing. In pursuing this argument the paper will eschew some of the conventions for security research, which frequently focuses on the spectacle of terror threats, large scale incidents and responses, in order to focus instead on the ordinary and everyday spatial insecurities with which CCTV systems far more frequently engage.

Language: English.

Additional Comments: This paper used ADDPRIV as an example.

- **International Crime Science Conference<sup>10</sup>**

*British Library, London, England; 4 – 6 July 2012.*<sup>10</sup>

Contribution Type: Presentation of interim results in plenary session called "Detecting Suspicious Activities".<sup>10</sup>

Authors and Partner Involved: Juan Pereda, ANOVA IT consulting.<sup>10</sup>

Abstract: In trying to create intelligent camera systems, "ADDPRIV allows the correlation of information from different sensors, allowing an automatic, accurate and reliable determination of what is and is not relevant information from a security perspective. Any irrelevant information is subsequently deleted". The ADDPRIV technology aims to render video surveillance more socially acceptable "by reducing the Big Brother effect" while "complying with the principles of minimizing personal data collection".<sup>10</sup>

Additional Comments: The conference aimed to "[bring] together some of the leading research from across Europe", with a special focus on FP7 projects. The main area of interest for the conference was "Resilient Infrastructure and Building Security". The conference attendees included "senior security practitioners, policy-makers, technologists and academics, all developing the latest techniques and technologies for preventing crime and terrorist attacks"<sup>10</sup>.

- **European Intelligence and Security Conference**

*Odense, Denmark; August 2012.*

Contribution Title: Technologies to enable a balance between security and privacy in video-surveillance.

Contribution Type: Short Paper.

Authors and Partner Involved: Paolo D'Arminio, Ricardo Buendía Iglesias, (ANOVA IT Consulting); Sateesh Pedagadi, Orwell James (Kingston University); Janusz Cichowski, Piotr Dalka, Damian Ellwart (Politechnika Gdanska, Poland); Inga Kroener, Daniel Neyland (Lancaster University).

Abstract: Protecting citizens' privacy is a critical issue in the contemporary society. As data collection capabilities increase with the introduction of new technologies for automatic data capturing, new threats related to privacy protection need to be faced. In this field, video surveillance represents a critical technology: the existence of large amounts of stored personal data increases the potential for personal data misuse. In this paper, technology

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<sup>10</sup> ADDPRIV. (2013) 'ADDPRIV – News', Available at: [www.addpriv.eu](http://www.addpriv.eu) [Accessed 23 January 2013]

that tackles the complex challenge of balancing security and privacy in video-surveillance is presented. The technology has potential for a greater social acceptance of video surveillance technology, due to the inclusion of the value of privacy alongside the enhanced security.

Language: English.

- **“Global Business Trip”<sup>11</sup>**

*Silicon Valley, San Francisco. United States of America; 10-14 September 2012.*<sup>11</sup>

Contribution Type: Presentation of ADDPRIV’s interim results.<sup>11</sup>

Authors and Partner Involved: Enrique Piñero Estrada and Paolo D’Arminio (ANOVA IT consulting).<sup>11</sup>

Additional Comments: The “Global Business Trip” was a joint venture between the Spanish Institute for Foreign Commerce (ICEX) and the Fundación Banesto. The trip aimed to raise awareness of the project’s technologies in the American market. The trip was also used to gather information which can be incorporated into the technology development. It is expected this will increase the number of scenarios in which ADDPRIV’s technology would be applicable.<sup>11</sup>

- **8th International Conference on Multimedia & Network Information Systems**

*Wrocław, Poland; 19 – 21 September 2012.*

Contribution Title: Cartographic Representation of Route Reconstruction Results in Video Surveillance System.

Contribution Type: Paper.

Authors and Partner Involved: Karol Lisowski, Andrzej Czyżewski (Politechnika Gdanska, Poland).

Abstract: The video streams available in a surveillance system distributed over a wide area may be accompanied by metadata which are obtained as a result of video processing. Many algorithms applied to surveillance systems, for example, event detection or object tracking, are strictly connected with localisation of the object and reconstruction of its route. Drawing related information on a plan of a building or on a map of the city can facilitate the perception of events. Methods of augmenting cartographic data are proposed in this paper, which make it possible to merge and to present a large amount of useful data on a single screen of surveillance.

Language: English.

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<sup>11</sup> ADDPRIV. (2013). ‘ADDPRIV – News’. Available at: [www.addpriv.eu](http://www.addpriv.eu). [Accessed: 29 January 2013].

Publication: Advances in Intelligent Systems and Computing (Volume 183 2013): Multimedia and Internet Systems: Theory and Practice.

Editors: Aleksander Zgrzywa, Kazimierz Choroś, Andrzej Siemiński.

ISBN: 978-3-642-32334-8 (Print) 978-3-642-32335-5 (Online).

- **8th International Conference on Multimedia & Network Information Systems**

*Wrocław, Poland; 19 – 21 September 2012.*

Contribution Title: Visual objects description for their re-identification in multi-camera systems.

Contribution Type: Paper.

Authors and Partner Involved: Damian Ellwart, Andrzej Czyżewski (Politechnika Gdanska, Poland).

Abstract: The topic of object tracking in video surveillance systems is addressed in this work. An introduction to techniques of single camera and multi camera object tracking is presented. The problem of robust visual object description is discussed. Implemented image parameterization methods, including algorithms based on the MPEG-7 standard, are shown. Examples of the prepared dataset from a multi-camera system are presented. Chosen descriptors evaluation, employing this dataset, is performed. The descriptors evaluation procedure is described in detail. The results utilizing distance measures are compared. Conclusions based on performed experiments are described. Scope of the future work is outlined.

Language: English.

Publication: Advances in Intelligent Systems and Computing (Volume 183 2013): Multimedia and Internet Systems: Theory and Practice.

Editors: Aleksander Zgrzywa, Kazimierz Choroś, Andrzej Siemiński.

ISBN: 978-3-642-32334-8 (Print) 978-3-642-32335-5 (Online).

- **Society for the Social Studies of Science**

*Copenhagen, Denmark; 20th October, 2012.*

Contribution Title: Transport Hubs as STS Laboratories: A multi-sited ethnography of surveillance, deletion and the account-able.

Contribution Type: Conference paper.

Authors and Partner Involved: Daniel Neyland, Inga Kroener (University of Lancaster).

Abstract: This paper reports on two STS researchers' involvement in an international project focused on the design of a new ethical surveillance technology. In particular, this new technology is predicated upon an ethics

of deleting; shifting the focus of video surveillance from storage and (at least in principle) endless analysis, to data expunging and organised forgetting. Underpinning the STS researchers' engagement with the project designers, engineers and consultants is an ethnomethodological focus on who and what is rendered account-able.

Language: English.

- **Nationwide Workshop on Rough sets**

*Warsaw, Poland; 9 November 2012.*

Contribution Title: Use of flow graphs to route reconstruction in video surveillance systems.

Contribution Type: Presentation (Short Lecture).

Authors and Partner Involved: Karol Lisowski, Politechnika Gdanska, Poland.

Abstract: Presentation of Pawlak's flow graphs as a tool for reconstruction of object routes in video surveillance system. The idea of flow graphs is based on rough set theory. Some modification in flow graph idea is necessary in order to utilize it in route reconstruction method.

Language: Polish.

- **4th Conference of Young Researchers<sup>12</sup>**

*University of Alcala, Spain; 29 November 2012.<sup>12</sup>*

Contribution: Presentation of ADDPRIV project.<sup>12</sup>

Authors and Partner Involved: ANOVA IT consulting.

Abstract: "Ricardo Buendía introduced ADDPRIV, a European project led by Anova that will contribute to a better social acceptance of video surveillance, by eliminating the effect of Big Brother and the development of technologies that will meet the principles of minimization of the collection of personal data."<sup>12</sup>

Additional Comments: The audience comprised PhD students at the university. It was divided between the fields of Humanities and Science. ADDPRIV was presented as part of the Science section.<sup>12</sup>

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<sup>12</sup> ADDPRIV. (2013) 'ADDPRIV – Presentations', Available at: [www.addpriv.eu](http://www.addpriv.eu) [Accessed 23 January 2013]

- **What is Management For?**

*Leicester, England, United Kingdom; 10th January, 2013.*

Contribution Title: For Whom or What do Markets Work?

Contribution Type: Keynote speech.

Authors and Partner Involved: Daniel Neyland, (University of London).

Language: English.

Additional Comments: This paper used ADDPRIV as an example of the potential for markets for ethical surveillance technologies.

- **Computers, Privacy and Data Protection**

*Brussels, Belgium; 25th January, 2013.*

Contribution Title: Can Smart Surveillance Systems Enhance Privacy?

Contribution Type: Hosted workshop on ADDPRIV.

Authors and Partners Involved: Daniel Neyland and Inga Kroener, Patrick Murphy (University of London).

Abstract: Privacy Enhancing Technologies (PETs) and Privacy by Design (PbD) initiatives have been heralded as a way forward for addressing privacy concerns raised by the introduction of security camera surveillance systems. This workshop will focus on the development of one particular 'smart' surveillance system which attempts to: Use algorithms to narrowly focus operatives' attention to only those incidents pre-designated as 'suspicious'; Delete footage that is not connected to an incident; Provide a sophisticated access management system to limit access to any data that is stored.

Language: English.

- **CP-Expo - Community Protection.**

*Genoa, Italy; 31 January 2013.*

Contribution Title: Il mondo dell'impresa e le grandi infrastrutture del sistema paese.

Contribution Type: Presentation.

Authors and Partner Involved: Giovanni Falsina (SEA).

Abstract: CPEXPO is a system-wide event. It is the answer to the urgent need for a new exhibition which provides visibility and business opportunities to industrial solutions, and the newest innovations, that

enable communities to feel safe, thanks to the protection of their critical infrastructures.

Language: Italian.

Additional Comments: The event is promoted by Ente Fiera Genova which is the body managing the Genoa fair & exhibition centre.

Website: (<http://www.cpexpo.it/>).

## 4.2. Publications

This section gives the details of the book chapter and paper relating to the project which were published in the last year. It should be noted however that other technical papers were prepared during the last 12 months, but have not yet been published. The details of these papers are included in Section 5 of this report.

- **Book Chapter**<sup>13</sup>

*Lancaster, United Kingdom; 22-24 August 2012.*<sup>13</sup>

Chapter Title: New Technologies, Security and Surveillance.<sup>13</sup>

Publication Name: Handbook of Surveillance Studies, (Eds. Kevin Haggerty, David Lyon and Kirstie Ball).<sup>13</sup>

Summary of the Activity: “This is a prestigious venture and it is expected that the Handbook will become a foundational work. The volume includes approximately 40 contributions on major areas relating to the social study of surveillance and combines interdisciplinary scope with key articles from scholars who are recognized as having made significant contributions to the burgeoning multi-disciplinary field of Surveillance Studies. Routledge will be marketing the handbook globally and the editors and authors are doing their utmost to craft an enduring reference work. The chapter is focused on new technologies, security and surveillance and covers issues and debates concerning how security and insecurity are generated by new technologies and how such technologies are received and experienced.”<sup>13</sup>

Authors and Partner Involved: University of Lancaster.

Language: English.

Additional Comments: Contribution to the Routledge International Handbook of Surveillance Studies.<sup>13</sup>

- **British Journal of Sociology**<sup>13</sup>

Date of Appearance: February 2012.<sup>13</sup>

Contribution Title: Invasions of Publicity.

Authors and Partner Involved: Kroener, I and Neyland D. (Lancaster University).<sup>13</sup>

Language: English.

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<sup>13</sup> ADDPRIV. (2013) ‘ADDPRIV – Papers & Publications’, Available at: [www.addpriv.eu](http://www.addpriv.eu) [Accessed 23 January 2013]

### 4.3. Press Activities

#### 5. General Media Appearance<sup>14</sup>

*Madrid, Spain; 7 May 2012.*<sup>14</sup>

Activity Title: Communicating Innovations: Innovate and compete with science.<sup>14</sup>

Summary of the Activity: ADDPRIV was presented as a real life example of the results of research being broadcast to a wide audience with the help of strategies generally perceived as “unconventional for scientific research” (for example, using social media and industry presentations). The presentation explained “the need to enlist the help of media to achieve these goals”.<sup>14</sup>

Authors and Partner Involved: Ricardo Buendía (ANOVA IT Consulting).

Additional Comments: The conference organiser was the Carlos III Science Park of Madrid. Further information is available at: [www.addpriv.eu/index.php?page=news](http://www.addpriv.eu/index.php?page=news)<sup>14</sup>

- **Sustainability Report**

*Published on SEA website; August 2012.*

Coverage: National and International

Type of Press-Clipping: Report

Partner Involved: SEA

Language: Italian

Additional Comments: In January/February, with the new version of SEA website, the sustainability report will also be published in English. The new sustainability report is expected to be published by summer 2013

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<sup>14</sup> ADDPRIV. (2013) 'ADDPRIV – News', Available at: [www.addpriv.eu](http://www.addpriv.eu) [Accessed 23 January 2013]

## 4.4. Other Dissemination Activities

### 4.4.1. Meetings

- **2nd meeting of the End User’s Advisory Board and project meeting**<sup>15</sup>

*Renfe Operadora, Madrid, Spain; 22 – 23 May 2012.*<sup>15</sup>

Summary of the Activity: The purpose of the meeting was to present the results to date and planned methodology to the End User’s Advisory board, to collect feedback on the technology as it stood and comments on the next steps to be taken. As part of the meeting, End User Board member Paloma Llaneza (AEDEL) made contributions on the work from the viewpoint of the law.<sup>15</sup>

Authors and Partner Involved: All partners and the End Users’ Advisory Board.

Language: English.

- **2nd Meeting of the Ethics Advisory Board**<sup>15</sup>

*Trinity College, Dublin, Ireland; 21 June 2012.*

Summary Of The Activity: The meeting “discussed various ethical and privacy issues” concerning video-surveillance. The progress made with the Ethical Scoreboard, being developed as part of the ADDPRIV project, was the focus of the meeting. Those assembled were also given a demonstration of the technology and asked for their comments regarding ethics and privacy.<sup>15</sup>

Authors and Partner Involved: All Partners and Ethics Committee representatives.

Language: English.

### 4.4.2. Webinar

- **Achieving a balance between security and privacy in public places’ video surveillance.**<sup>16</sup>

*Online; 19 April 2012.*<sup>16</sup>

Summary Of The Activity: Presentation of the ADDPRIV project.<sup>16</sup>

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<sup>15</sup> ADDPRIV. (2013) ‘ADDPRIV – News’, Available at: [www.addpriv.eu](http://www.addpriv.eu) [Accessed 23 January 2013]

<sup>16</sup> ADDPRIV. (2013) ‘ADDPRIV – Presentations’, Available at: [www.addpriv.eu](http://www.addpriv.eu) [Accessed 23 January 2013]

Authors and Partner Involved: Paolo D’Arminio (Anova IT consulting).<sup>16</sup>

Additional Comments: The webinar was organised by SeguridadMania.com.<sup>16</sup>

#### 4.4.3. Other

- **Creation of a section on international activities in SEA website**

*SEA website; ongoing throughout the project.*

Activity Title: Information on SEA international activities.

Summary of the Activity: Information on ADDPRIV Project provided through the SEA website.

Authors and Partner Involved: SEA.

Language: Italian/English.

Additional Comments: In January/February 2013, the new website will have a link to the project website.

- **Presentation of ADDPRIV project<sup>17</sup>**

*Republic of Panama; March 2012.*<sup>17</sup>

Activity Title: “ADDPRIV project is presented in the Republic of Panama”.<sup>17</sup>

Summary of the Activity: The project has been presented “to different organisations involved in citizens’ security”.<sup>17</sup>

Those to whom the project was presented included:<sup>17</sup>

- The Autoridad Nacional para la Innovación Gubernamental (National Authority for Government Innovation)
- Coybus
- Inversiones Tagore
- Mercado Intercuentas

The presentations aimed to communicate “how technologies can allow the achievement of a good balance between security needs and citizens’ privacy concerns”.<sup>17</sup>

Authors and Partner Involved: ANOVA IT Consulting.

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<sup>17</sup> ADDPRIV. (2013) ‘ADDPRIV – Presentations’, Available at: [www.addpriv.eu](http://www.addpriv.eu) [Accessed 23 January 2013]



## 5. Plans for Future Dissemination Activities

This section of the report provides the details of several technical papers and reports which are expected to be published during the next 12 months of the project. In addition to the papers detailed below, it is foreseen that the consortium will continue its efforts to raise the awareness of the project among the general public, the scientific community and with potential end users.

- **Journal of Intelligent Information Systems**

Editor: L. Kerschberg; Z.W. Ras; M. Zemankova.

Date of Appearance: Under review as of January 2013.

Contribution Title: Using Flow graphs for Forward Route Reconstruction in Video Surveillance System.

Authors and Partner Involved: Andrzej Czyzewski and Karol Lisowski, (Politechnika Gdanska, Poland).

Abstract: Pawlak's flow graphs were utilized as a base idea and knowledge container for prediction and decision making algorithms applied to an experimental video surveillance system. The system is used for tracking people inside buildings in order to obtain information about their appearance and movement. The fields of view of the cameras did not overlap; therefore, when an object was moving through unsupervised areas, prediction was needed to identify the same object in the adjacent camera. Moreover, while being unobserved, the object was represented by measurements of probability of appearing in the subsequent camera's field of view. Those probability values were obtained on the basis of knowledge from the past events contained in the flow graph. Backward Route Reconstruction methods generated paths of objects providing input for prediction of next steps in the path. This prediction was named as Forward Route Reconstruction. The output of the prediction algorithm is a tree of probabilities of future object movement. Methods for creating a flow graph from the paths of objects and for obtaining probability values for movement prediction are presented in this paper together with some experimental results and discussion.

Language: English.

- **Pattern Analysis and Applications Journal (Springer)**<sup>18</sup>

Date of Appearance: Under review as of June 2012.<sup>18</sup>

Contribution Title: Evaluation of visual descriptors for multi-camera object identification in surveillance systems.<sup>18</sup>

Authors and Partner Involved: Damian Ellwart, Piotr Dalka and Andrzej Czyzewski (Politechnika Gdanska, Poland).<sup>18</sup>

- **IEEE Transaction on Information Forensics and Security**<sup>18</sup>

Date of Appearance: Under review as of June 2012.<sup>18</sup>

Title of the Contribution: Privacy enhancement methods for surveillance security systems immune to security threats.<sup>18</sup>

Authors and Partner Involved: Janusz Cichowski and Andrzej Czyzewski (Politechnika Gdanska, Poland).<sup>18</sup>

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<sup>18</sup> ADDPRIV. (2013) '*ADDPRIV – Papers & Publications*', Available at: [www.addpriv.eu](http://www.addpriv.eu) [Accessed 23 January 2013].

## **6. Conclusions**

In conclusion, it has been shown by this report that the consortium has continued its efforts to build on the activities of the first year in raising both the general profile of the project and that of the results coming from research related to the project. The activities have been mixed in their approaches, with presentations taking place with regard to technical achievements, socio-technical considerations as well as from the point of view of the business and end user communities. The activities have engaged the general media as well as specifically targeting specialist audiences.

It is anticipated that in the final year of the project, the consortium members will persist with their efforts to engage the target audiences with regard to their research and results. The dissemination strategy set out in the Description of Works for the project will continue to guide the methods by which the consortium disseminate information on their work and results.