Exploitation and Dissemination Activity Report

Type of the Activity:

- ☐ BIECO´s Identifying Logo
- ☐ BIECO´s Brand book
- ☐ BIECO´s Leaflet
- ☐ BIECO Poster
- ☐ BIECO´s Web Site
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- ☐ BIECO in YouTube
- ☐ BIECO´s Promotion Video
- ☐ BIECO´s Electronic Newsletter
- ☐ BIECO´s Press Release
- ☐ BIECO´S Dissemination Templates

- ☐ BIECO´s Meeting of the Consortium
- ☐ Scientific Papers
- ☐ Articles in Research Journals
- ☐ Academic Conferences
- ☐ Events at National/International Level
- ☐ **X** Public Workshops
- ☐ Concertation activities with other EU-Funded project
- ☐ Clustering Activities
- ☐ **X** Sharing results Activities
- ☐ Training Activities
- ☐ Others Activities

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Summary of the Activity:

ISTI Day ISTI DAY is the official annual meeting devoted to the communication and dissemination of the activities of the institute. The event is primarily targeted at the ISTI community, but anyone interested can join the event Typically the event includes a speech given by the Director, briefly reporting the status of the institute, the announcement of the ISTI Awards winners, a number of scientific contributions, intended to give visibility to the most recent scientific results, and finally a session of poster talks. The aim of ISTI Day is also to provide a sample of the variety and vitality of the research carried out at ISTI.

The active participation of all the laboratories at each edition is what makes each ISTI DAY a valuable step in the growth path of the institute as a whole.

Objective of the Activity

Presentation of a framework for implementing the Data Protection Compliance Through Access Control systems

Meta Data of the Activity

Location	Pisa Italy
Link	https://www.isti.cnr.it/en/research/isti-day
Duration	3, 10, 17 November from 14 to 17.30 ,
Level of Impact	More than 150 participants per day (number of people or organizations that could get impact by the activity)
Other information	Title: Data Protection Compliance Through Access Control, Speakers *Said Daoudagh and Eda Marchetti* Poster title: Data Protection Compliance Through Access Control Schedule: Poster Session III, November 17th, 15:30-16:00

Participants In the Activities and their Roles

Participant´s Name	Organization	Role in the Activity
Said Daoudagh	ISTI-CNR	Speaker
Antonello Calabrò	ISTI-CNR	Participant
Francesca Lonetti	ISTI-CNR	Participant
Felicita Di Giandomenico	ISTI-CNR	Participant
Giulio Masetti	ISTI-CNR	Participant
Giulio Galesi	ISTI-CNR	Participant
Eda Marchetti	ISTI-CNR	Speaker

Timing of the Activity :
Start Date:
End Date :

Activity	2020				2021												2022												2023								
	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9
EXPLOTATION ACTIVITIES																																					
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Academic Conferences																																					
Events at National/International Level																																					
Public Workshops			XX																																		
Concertation activities with other EU-Funded project																																					
Clustering Activities																																					
Sharing results Activities			XX																																		
Other Dissemination Activities																																					

Already Done	(green)
Other release pending	(blue)
To be done	(grey)

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Pictures from the Activity

GDPR Compliance Through Authorization Systems

Said Daoudagh and Eda Marchetti

ISTI-CNR and University of Pisa
ISTi Day 2020

Prima — 25 Maggio 2018 — **Dopo**
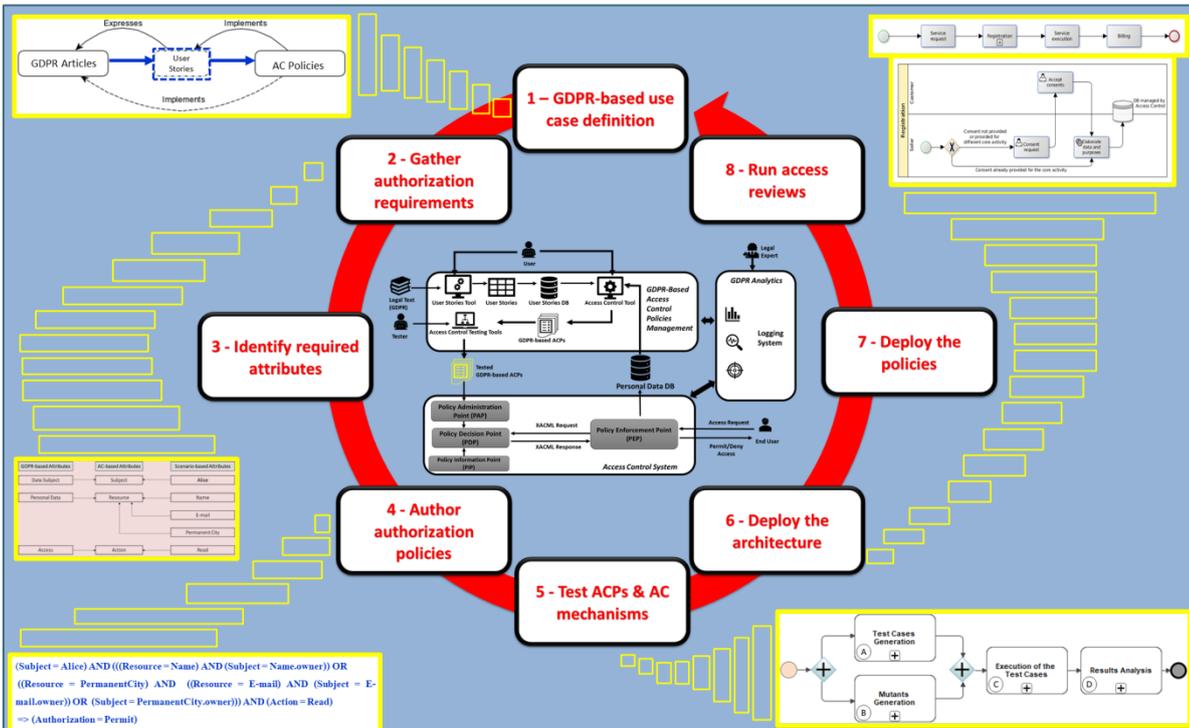
Rights — Rules — New System of Fines
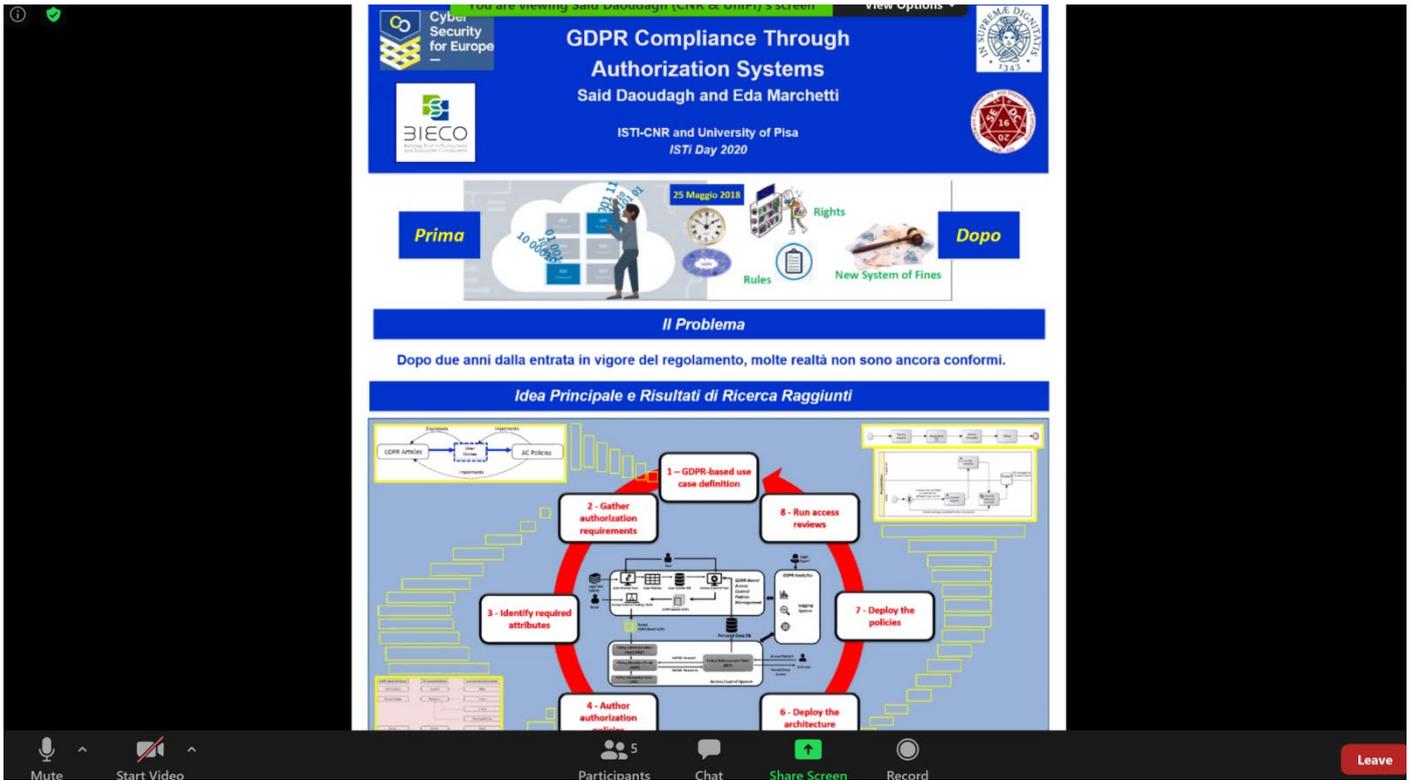
Il Problema

Dopo due anni dalla entrata in vigore del regolamento, molte realtà non sono ancora conformi.

Idea Principale e Risultati di Ricerca Raggiunti

- 1 – GDPR-based use case definition
- 2 - Gather authorization requirements
- 3 - Identify required attributes
- 4 - Author authorization policies
- 5 - Test ACPs & AC mechanisms
- 6 - Deploy the architecture
- 7 - Deploy the policies
- 8 - Run access reviews

(Subject = Alice) AND (((Resource = Name) AND (Subject = Name.owner)) OR ((Resource = PermanentCity) AND ((Resource = E-mail) AND (Subject = E-mail.owner)) OR (Subject = PermanentCity.owner))) AND (Action = Read) => (Authorization = Permit)

References

[1] Cesare Bartolini, Said Daoudagh, Gabriele Lenzini, and Eda Marchetti. *GDPR-Based User Stories in the Access Control Perspective*. In Proc of QUATIC, 2019.
[2] Cesare Bartolini, Said Daoudagh, Gabriele Lenzini, and Eda Marchetti. *Towards a Lawful Authorized Access: A Preliminary GDPR-based Authorized Access*. In Proc. of ICSOFT, 2019.
[3] Aantonia Bertolino, Said Daoudagh, Francesca Lonetti, and Eda Marchetti. *XACMUT: XACML 2.0 Mutants Generator*. In Proc. of Mutation 2013..
[4] Antonia Bertolino, Said Daoudagh, Francesca Lonetti, and Eda Marchetti. *An Automated Model-based Test Oracle for Access Control Systems*. In AST, 2018
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[6] David Brossard, Gerry Gebel, and Mark Berg, *A Systematic Approach to Implementing ABAC*. In Proc. of the 2Nd ACM ABAC, 2017.
[7] Antonello Calabrò, Said Daoudagh, and Eda Marchetti. *Integrating Access Control and Business Process for GDPR Compliance: A Preliminary Study*. In Proc. of ITASEC, 2019.
[8] Said Daoudagh, Francesca Lonetti, and Eda Marchetti. *XACMET: XACML Modeling & Testing*. Software Quality Journal (2019). In Press.
[9] Said Daoudagh and Eda Marchetti. *A Life Cycle for Authorization Systems Development in the GDPR Perspective*. In ITASEC, 2020.
[10] Kaniz Fatema, Christophe Debruyne, Dave Lewis, Declan O'Sullivan, John P. Morrison, and Abdullah-Al Mazed. *A Semi-Automated Methodology for Extracting Access Control Rules from the European Data Protection Directive*. In IEEE SP Workshops, 2016.

Take Home Message

KEEP CALM AND COMPLY WITH THE GDPR

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http://pages.di.unipi.it/daoudagh/gdpr-access-control