



PRISMA CLOUD

PRIVACY and Security MAINTAINING Services in the CLOUD



NEWSLETTER January 2016

This is the first PRISMA CLOUD newsletter from a series that will keep you updated about our research activities, project results and events. It is being sent out to members of the "User and Advisory Board" (UAB) directly as well as interested people who registered for it on our [homepage](#) where it is also available for download. This first issue contains a short overview of the project, a summary of first achievements as well as highlights from our participation in events and networking activities with other projects.

Call: H2020-ICT-2014-1

Topic: ICT-32-2014

Type of Action: RIA

Partners: 16

Duration: 42 months

Start Date: 01.02.2015

Estimated Project Cost: ~8.5 M

Requested EU Contribution: ~8.0 M

Grant Agreement No: 644962

Coordinator: AIT Austrian Institute of Technology GmbH

The Project

The EU Horizon 2020 PRISMA CLOUD research project is dedicated to enabling secure and trustworthy cloud-based services by improving and adopting novel tools from cryptographic research.



The need to protect the security and privacy of the data in the cloud is a critical issue for society and the strongest level of protection can be achieved through cryptography, although technologically extremely challenging. PRISMA CLOUD is contributing to this area by developing tools that allow the next generation of cryptographically secured cloud services to be built with security and privacy incorporated by design and from

A very short overview of the project goals is given in recent [ECRCIM News 104](#) and a more in depth article was published in [Cyber Security and Privacy](#), which can also be found in [Arxiv](#).





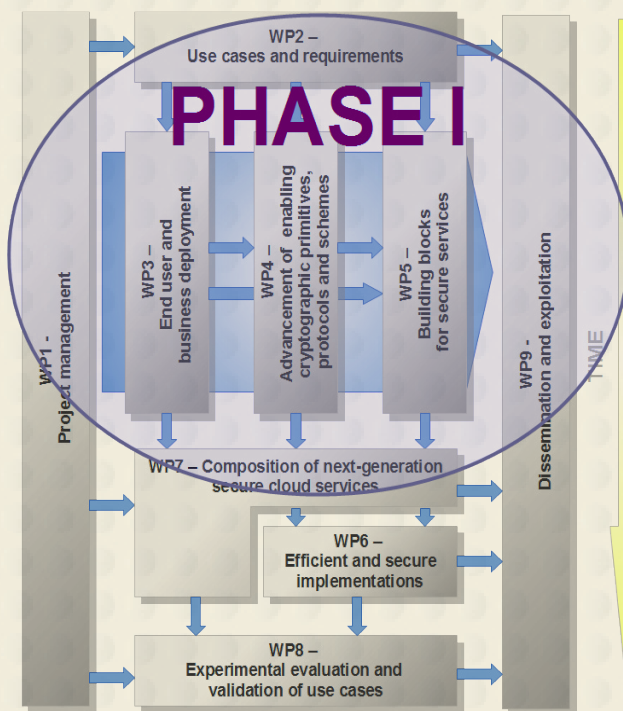
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Status & Achievements

A first eventful project year draws to a close and we would like to give you a quick update on the project status and highlight achievements.



The major goal of the first project year was to establish the PRISMA CLOUD use cases. The consortium developed 5 different use cases from three different domains, i.e., e-Government, e-Health and Smart Cities. They were designed to showcase the benefits of developed technologies and will be piloted in the last project phase (see D3.1). In addition to the description of the use cases, a broad requirements gathering process was conducted, which led to many important non-functional requirements relevant for the use cases (D2.1 and D3.1). In addition descriptive cloud security patterns were developed (D2.1). PRISMA CLOUD also developed a first standards action plan in (D9.5) which shall ensure a controlled diffusion of project results into standards.

In parallel to the development of the application scenarios, the scientific teams in PRISMA CLOUD were working on ways to secure data at rest (D4.1, D4.9 and D5.1), working on ways to preserve authenticity of data processed on third party infrastructure (D4.4 and D5.8) and conducted an analysis of methods to preserve the privacy of users.

All first year reports are going to be published in the upcoming weeks. They provide you an insight about ongoing research activities in PRISMA CLOUD and summarize research results and development efforts in accessible way.

PRISMA CLOUD Deliverables will be available at the project's [homepage](#).





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Several dissemination and communication activities have been successfully carried out during the first project year by the consortium. We participated in industry events and published results on scientific conferences. The PRISMA CLOUD consortium was very successful in its scientific dissemination activities. In total the scientific partners achieved to have more than [17 publications](#) accepted in peer reviewed conferences and journals.



The project was presented to a broader audience for the first time at the [CSP Forum](#) (April 2015) in Brussels. PRISMA CLOUD was part of two sessions and also had a booth which gave us a chance to generate some visibility in the community and helped us to establish liaisons with other projects from the same call, especially [WITDOM](#) and [TREDISEC](#).

The fruitful collaboration of the projects also led to a joint networking session at the European Union's largest [ICT Event](#) in Portugal. The session entitled "Key challenges in end-to-end privacy/security in untrusted environments" was chaired by Silvana Muscella, CEO & founder of Trust-IT. Henrich C. Pöhls represented the PRISMA CLOUD project and showed our view on the specific challenges in cloud security. There is also a [video](#) available.



[The Future of Cloud](#) event (June 2015) was targeting industry experts in the field of IT and security. The event was hosted by project coordinator AIT and organized together with EuroCloud Austria, presenting research objectives from PRISMA CLOUD and its liaison projects [CREDENTIAL](#) and [SECRCIT](#).

PRISMA CLOUD also organized a workshop at the [IFIP Summer School](#) on Privacy and Identity Management in Edinburgh. We presented the first drafts of the project use cases and discussed them with experts from the field of privacy. Valuable feedback to be considered during the finalization of the use cases could be collected in interactive group discussions.





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User Advisory Board

PRISMA CLOUD is proud to present its outstanding user advisory board, composed of 17 experts from academia and industry.

- Ian **Brown** - Oxford Internet Institute - United Kingdom
- Jan **Camenisch** - IBM Research Zurich - Switzerland
- Markus **Doering** - OneLogic - Germany
- Anton **Dollmaier** - Aditsystems - Germany
- Johannes **Goellner** - BMLVS - Austria
- Tobias **Hoellwarth** - EuroCloud - Luxembourg
- Jaap-Henk **Hoepman** - Radboud University Nijmegen - Netherlands
- Kuan **Hon** - Microsoft Cloud Computing Research Centre - United Kingdom
- Georg Markus **Kainz** - Quintessenz - Austria
- Els **Kindt** - KU Leuven - Belgium
- Alain **Pannetrat** - Cloud Security Alliance - Greece
- Siani **Pearson** - Hewlett-Packard Laboratories - United Kingdom
- Charles **Raab** - University of Edinburgh - United Kingdom
- Kai **Rannenber**g - Goethe University Frankfurt - Germany
- Antonio **Samaritani** - Regione Lombardia - Italy
- Linda **Strick** - FOKUS Fraunhofer - Germany
- Herbert **Taucher** - Siemens - Austria

Liaisons



PRISMA CLOUD is also part of the [DPSP Cluster](#) dedicated to Data Protection, Security and Privacy (DPSP) in the Cloud. This cluster is part of the [Clusters of European Projects on Cloud](#) supportive action seeking synergies between cloud related EU funded research projects and to join efforts towards greater impact.





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Upcoming Events - We will be there!

1st Workshop of the Project Cluster on Data Protection, Security and Privacy in the Cloud, 23 February 2016, Napoli, Italy



The [DPSP project cluster](#) – an EU-funded group of projects on data protection, security and privacy in the cloud – are proud to announce the first workshop of the Project Cluster on Data Protection, Security and Privacy in the Cloud (DPSP Workshop 2016) which will be held on the 23th of February in Napoli, Italy. PRISMA CLOUD is a member of the DPSP project cluster and will be attending the conference.

[Read more...](#)

RSA Conference 2016, 29 February - 4 March, San Francisco USA

Partner TU Graz will present work on the cryptographers track of the RSA Conference in San Francisco. The RSA Conference is a forum for cryptographers and security experts to gather and share the latest knowledge and advancements in the area of Internet security. [Read more...](#)



Secure Cloud 2016, 24-25 May 2016, Dublin, Ireland



SecureCloud is the only European conference focused exclusively on cloud security. It aims to provide an opportunity for government experts, industry experts, and corporate decision makers to discuss and exchange ideas about how to shape the future of cloud computing security. [Read more ...](#)

Next Issue

PRISMA CLOUD is progressing fast and we will provide you with the next update about ongoing work and preliminary results in summer.

Further Information

Additional information about the PRISMA CLOUD Project

Website: <https://prismacloud.eu/>

Twitter: <https://twitter.com/prismacloud> | @prismacloud

LinkedIn: <https://linkedin.com/in/prismacloud> | PRISMA CLOUD Project

CORDIS: http://cordis.europa.eu/project/rcn/194266_en.html

Additional information can be also requested via admin@prismacloud.eu



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