

Main Project Information

The European economy and the welfare of its citizens require that the European Critical Infrastructures (CI) function properly. To address this issue the ECOSSIAN project contributes to the

- **European Programme for Critical Infrastructure Protection (EPCIP)**
- **Strategy and Action Plan developed by the European Commission**
- **Worldwide Initiatives on Cyber Security of Industrial Control Systems and Smart Grids followed by ENISA and Member States**

ECOSSIAN will establish a working and exchange relation to the Security and Defence Agenda, who has already produced useful guidelines on how to improve Europe's Critical Infrastructure Protection (CIP).

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Message from the Coordinator

The intention of this Newsletter is to open a new communication channel in order to provide news on the project progress and to discuss ongoing topics relevant to ECOSSIAN for internal and external project partners, stakeholders and all other interested bodies. For more detailed information about and around the project we warmly invite you to have a look on our project website, which is constantly kept up-to-date with the latest project related news: www.ecossian.eu. The project has successfully started with the Kick-Off meeting in June 2014 in Munich and since then the project has been in its initial stages of formation. State-of-the-art of CI security provisions are being reviewed, use cases and their requirements are being defined and the lack of devices, workflows and procedures to achieve cooperation between CI's Security Operation Centre (SOC), public authorities and a European authority are being assessed. Furthermore, the overall architecture to correctly handle the requirements is being defined, and partners exchange knowledge about software artefacts and tools they are bringing to the project.

The ECOSSIAN project has a well-balanced and focused consortium - comprising 19 partners from 9 countries - and includes all the relevant public administrations and agencies, representative stakeholders of concerned private sector organisations and academia. It is well-balanced intellectually and geographically and also in terms of the mix of organisations involved.

Upcoming Meetings & Events:

- **CRITIS - International Conference on Critical Infrastructure Security**
13th - 15th October, Limassol, CYPRUS
- **IEEE IECON - Annual Conf. of the IEEE Industrial Electronics Society**
29th October - 1st November, Dallas, Texas/USA
- **Technical Meeting**
12th - 13th November, Rome, ITALY



Key Data:

Start Date: 1 June 2014
End Date: 31 May 2017
Duration: 36 months
Project Reference: 607577
Project Costs: € 13.196.720,61
Project Funding: € 9.224.459,00

Consortium:

19 partners (9 countries)

Project Coordinator:

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https://twitter.com/FP7_ECROSSIAN

Technical Approach

In order to maximise the efficiency of such a complex project, the work performed in the framework of ECOSSIAN is organised in nine different work packages with significant dependencies and expected synergies among them.

WP1 "Stock-taking, Requirements & Specification, Architecture Design" reviews the state-of-the-art of CI security provisions, defines suitable use case scenarios and evaluates the main gaps not adequately addressed by currently available SOC technologies. **WP2 "Threat Detection Module"** deals with research and development in extending current state-of-the-art techniques and methodologies. The focus is on identifying indicators and artefacts of cyber-attacks in real-time to be able to trigger alarms in a timely manner. **WP3 "Analysis, Aggregation, Correlation and Visualisation"** focuses on the analysis of collected data and their aggregation and correlation in order to generate a higher level view on systems and services of CI providers. **WP4 "Threat Mitigation and Incident Management"** deals with research and development of novel approaches for better handling of threats and realized risks to CI. **WP5 "Integration, Preparation of Demonstration and Evaluation"** targets the integration of all the components developed in the project, including testing and validation of the ECOSSIAN approach. **WP6 "National and European Demonstration"** proves how the ECOSSIAN system can be used and how information will be shared between CIs and governmental stakeholders. **WP7 "Legal, Ethical and Social Foundations"** focuses on legal and business aspects of the crisis prevention and management. **WP8 "Dissemination, Exploitation and Standardisation"** focuses on the transfer of knowledge developed in ECOSSIAN to industrial communities, academia and the general public as well as on the exploitation of results. **WP9 "Project Management and IPR Framework"** deals with the overall legal, ethical, financial and administrative management as well as the maintenance of the consortium agreement and IPR protection.

ECOSSIAN Deliverables submitted:

- D1.1 "State of the art report"
- D8.1 "Web site and information platform"
- D9.1 "Project internal and external IT communication infrastructure"

ECOSSIAN Upcoming Deliverables & Milestones

- D7.1 "Analysis of the applicable legal framework"
- D8.2 "Dissemination Plan"
- D9.2 "Progress Report"
- MS1 "Use cases defined"

Ongoing Activities

After the successful project kick-off each partner has enthusiastically looked into their tasks within the particular WPs and started progress towards the objectives. The first deliverables have been submitted and quite some work has been performed in **WP1 "Stock-taking, Requirements & Specification, Architecture Design"**. Different aspects with reference to technologies, rules and procedures, organisational aspects, and standards and pseudo-standards have been reviewed and assessed by a number of partners. Based on this work use case and demonstration scenarios are currently being defined, according to the initial proposals sketched by the end-users. At the same time, partners are defining requirements and are designing new functionalities to be covered by ECOSSIAN, including legal requirements, technological and technical aspects, with a specific focus on Public-Private Partnership and on the requirements to maximise efficiency of information flows and effectiveness of information exchange. Further efforts have been made in **WP7 "Legal, Ethical and Social Foundations"**. KU Leuven and UNIBO analyse the applicable legal framework in the area of privacy and data protection. PJ, PI, TEC, REFER and CESS conduct a thorough analysis on the sector business, procedural and entrepreneurial legal frameworks in order to identify opportunities, obstacles and possible models for inter-sectorial cooperation. Work on defining, analysing, implementing and evaluating political, ethical and societal factors has started. Moreover, within **WP8 "Dissemination, Exploitation and Standardisation"** the ECOSSIAN project website has been created as a collaborative platform for information sharing. Also the announcement letter has been published and a leaflet has been designed and distributed. TEC has set up the communication infrastructure for both internal and external information sharing and interaction as part of **WP9 "Project Management and IPR Framework"**. Furthermore, TEC has performed quite some work with regards to administration and project management, such as reporting to the EC, distributing the pre-financing, designing partner specific templates, and handling day-to-day requests from partners and external bodies.

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