ANNOUNCEMENT LETTER

ECOSSIAN, a European cooperative research project, has officially started on 1st June 2014 with a set duration of 36 months. It receives funding from the European Union's Seventh Framework Programme (FP7/2007-2013) under grant agreement n° 607577.

ECOSSIAN: EUROPEAN CONTROL SYSTEM SECURITY INCIDENT ANALYSIS NETWORK

The protection of critical infrastructures (CI) increasingly demands solutions which support incident detection and management at the levels of individual CI, across CIs which are depending on each other, and across border lines. ECOSSIAN develops an Incident Analysis Network which integrates functionalities across all these levels. Cooperation of privately operated CIs and public bodies (governments and EU) is difficult but mandatory in our case. After about 10 years of analysis and research on partial effects in Critical Infrastructure Protection and for individual infrastructure sectors, ECOSSIAN is supposed to be the first attempt to develop this holistic system in the sense portrayed above.

A prototype system will be developed which facilitates preventive functions like:
- Threat monitoring,
- Early indicator and real threat detection,
- Alerting,
- Support of threat mitigation, and
- Disaster management.

Our technical architecture foresees an operations centre and the interfaces to legacy systems (e.g. SCADA – Supervisory Control and Data Acquisition). Advanced technologies will be integrated, including:
- Fast data aggregation and fusion,
- Visualization of the situation,
- Planning and decision support,
- Flexible network support for information sharing and coordination, and the
- Connection of local operations centers.

The success of our system will be based on complemented technical solutions, effective and agreed organizational concepts and the implementation of novel rules and regulations. The large spectrum of economically intangible factors will have significant influence on the quality and acceptance of our system.

Factors of societal perception and appreciation will be analyzed, assessed and regarded. This includes the
- Existing and required legal frameworks,
- Questions of information security, and
- Implications on privacy.

ECOSSIAN will be tested, demonstrated and evaluated in realistic use cases. They will be developed with the community of stakeholders and cover the sectors energy, transportation, finance, and Information and Communication Technologies (ICT).

The ECOSSIAN consortium is well-positioned to achieve its objectives by bringing together a European team of leading industrial and research companies, a research oriented SME as well as well respected universities. 19 partners from 9 different countries form a complete chain stretching from basic research and service design, via applied research, up to end-user oriented service providers.

The partners are:

- Technikon Forschungs- und Planungsgesellschaft mbH, Austria
- EADS Deutschland GmbH, Germany
- Bord Gais Eireann, Ireland
- AIT Austrian Institute of Technology GmbH, Austria
- Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung E.V., Germany
- Alma Mater Studiorum University of Bologna, Italy
- Cassidian Cybersecurity SAS, France
- Inov Inesc Inovacao – Instituto de novas tecnologias, Portugal
- Rede Ferroviaria Nacional, Portugal
- Polícia Judiciária (PJ), Portugal
- Espion Limited, Ireland
- Teknologian Tutkimuskeskus VTT, Finland
- Katholieke Universiteit Leuven, Belgium
- Bertin IT, France
- Institut für Automation und Kommunikation E.V. Magdeburg, Germany
- Poste Italiane SPA, Italy
- Cassidian Cybersecurity GmbH, Germany
- CESS GmbH Centre for European Security Strategies, Germany
- EADS UK Ltd., United Kingdom

For more information visit http://www.ecossian.eu [coming soon]

CONTACT INFORMATION:

Project Coordinator
Dr. Klaus-Michael Koch
TECHNIKON Forschungs- und
Planungsgesellschaft mbH
Burgplatz 3a
9500 Villach, Austria
Email: coordination@ecossian.eu

Technical Lead
Mag. Helmut Kaufmann, MSc
EADS Deutschland GmbH
Willy-Messerschmitt-Straße
85521 Ottobrunn
Germany
Email: helmut.kaufmann@eads.net

ECOSSIAN:

European **CO**ntrol **S**ystem **S**ecurity **I**ncident **A**nalysis **N**etwork