

RESEARCH SUBJECT

This project is part of the IBBT research subject Mobility&Logistics

Mobility
&
Logistics

Looking for a modern mobility system that allows everyone to travel how and anywhere they want.

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connect.innovate.create

IBBT vzw

Gaston Crommenlaan 8/102
9050 Ghent, Belgium

T + 32 9 331 48 00
F + 32 9 331 48 05

www.ibbt.be
info@ibbt.be



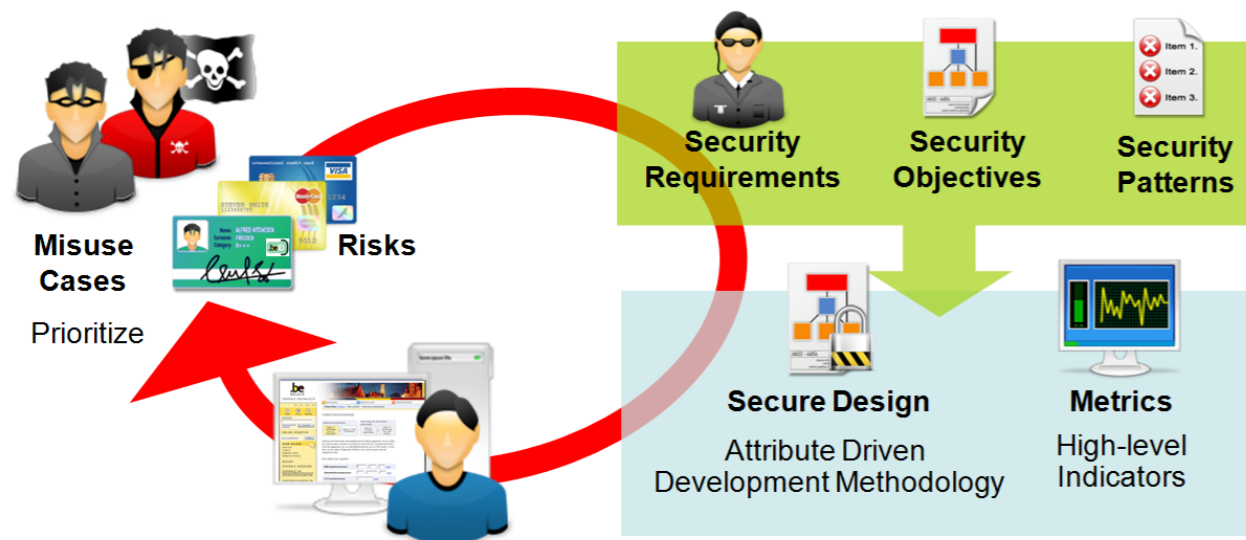
IDEM

Identity Management for eGovernment

Identity Management for eGovernment (IDEM) is an IBBT project in which technical and legal research institutes work jointly together with the Flemish and Belgian government, to

- Solve the main challenges of Identity Management (IDM) in the Flemish and Belgian eGovernment context, and to
- Prepare the field for a large-scale roll-out of privacy-friendly IDM in eGovernment.





Output

The main output of the project will be a well-defined set of guidelines to construct and deploy eGovernment applications that involve identity management systems. A federal IDM system could be developed, based on this work, which could then be used by these application developers.

IDEM's challenges

- 1 Privacy is a major concern when deploying an IDM system. In our context, growing amounts of information is made available online. The different partners involved, process huge amounts of sensitive information about the parties involved (citizens, social benefits, health care services, etc.). Combining all this data coming from different sources by coupling local and global identifiers, or even distinct local identifiers, should not be feasible by default, because it would enable to profile entities, which could violate privacy.
- 2 There is a need to evaluate whether and how biometrics and delegation systems can be integrated into IDM systems used for eGovernment.
- 3 In an eGovernment environment there are specific needs to integrate new concepts and techniques with existing infrastructures, such as the eID card, the Regional and National Registers, the various eServices provided at Flemish and Belgian level, etc.

IDEM's methodology

In the IDEM project we develop an overall conceptual framework that can be used to build a generic architecture for IDM in a multi-level eGovernment context. This framework provides the general context, with a definition of objectives, roles, mandates, interactions, constraints, preferences, etc.

Furthermore, we study, develop and implement a privacy-friendly architecture, starting from the conceptual framework. In the framework and the architecture, we address both legal and technical components. In a first phase of the project we also focus on the specific research topics of trusted agents and delegation.

Added value

Introducing a streamlined eGovernment environment enables the governmental institutions to speed up their services and reduce operational costs.

Moreover, services can be offered pro-actively, meaning that the citizen does not necessarily have to know his rights benefit from a certain service. In a properly managed eGovernment solution, citizens will only have to provide their data once, and they will be able to easily follow-up the eGovernment processes.