Long Term Cybersecurity research
Summaries of projects granted in the second NWO call for proposals (2014)

Project number	CYBSEC.14.030 / 628.001.013	
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Project title	Patterns for Privacy (P4P)	

Scientific summary

The World Economic Forum [20] has recognized that the economic value of personal data is threatened by a steady decline in trust by all stakeholders, and recommends to develop principles to encourage the trusted flow of personal data. The proposal for a new European data protection regulation [6] explicitly requires data protection by design and by default. This shows that privacy by design [4] is becoming a significant economic and regulatory factor. It is therefore crucial to support developers in satisfying these requirements with practical tools and guidelines.

This proposal aims to achieve just that.

During our study of privacy design strategies [d, e] we discovered that a comprehensive and readily applicable set of tools to support system designers to design for privacy does not exist. In particular, a systematic study of privacy design patterns is wanting. Only a small, incomplete and inconsistent patchwork of privacy design patterns exists [10, 11, 15, 14, g].

To bridge this gap, the project will:
- develop a framework to express and study privacy design patterns,
- develop a comprehensive catalogue of such privacy design patterns, and
- develop tools to support system designers to apply privacy design patterns throughout the system development lifecycle.

TNO, our industrial project partner, is busy raising a consortium that will implement a national health data infrastructure. It will use our results in the development of such personal health information providers.

Applicable NCSRA theme

- Identity, privacy and trust management