**PISA**

*Project reference:* IST-2000-26038  
*Funded under:* FP5-IST

---

**Privacy Incorporated Software Agent: Building a privacy guardian for the electronic age.**

**From** 2001-01-01 **to** 2003-12-31 | PISA Website

---

**Project details**

<table>
<thead>
<tr>
<th>Total cost:</th>
<th>Topic(s):</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUR 3 256 312</td>
<td>2000-2.4.1 - Technology Building Blocks for Trust and Security</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>EU contribution:</th>
<th>Funding scheme:</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUR 1 499 580</td>
<td>CSC - Cost-sharing contracts</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Coordinated in:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Netherlands</td>
</tr>
</tbody>
</table>

---

**Objective**

Most Member States in the European Union have by now implemented the European Directive 95/46/EC and 97/66/EC. This Directives provides a general legal framework for the protection of personal data. PISA addresses the European policy to foster the security and privacy for the users of new combinations of telecommunications, information technology and media, and the need for interoperability and coherence at a global level. The project is positioned at the crossroad of developments of Software agents, the Internet and E-commerce.

The PISA-project will specify, validate and promote open and secure service provision architecture to provide new services by software agents to users, moving across networks and service providers. Most Member States in the European Union have by now implemented the European Directive 95/46/EC and 97/66/EC. This Directives provides a general legal framework for the protection of personal data. PISA addresses the European policy to foster the security and privacy for the users of new combinations of telecommunications, information technology and media, and the need for interoperability and coherence at a global level. The project is positioned at the crossroad of developments of Software agents, the Internet and E-commerce. The PISA-project will specify, validate and promote open and secure service provision architecture to provide new services by software agents to users, moving across networks and service providers.

**OBJECTIVES**

The tracking and logging of a persons use of computer networks is a major source of potential privacy violation. By means of a filter called the Identity Protector (IP) the design of a system will go a long way to protecting privacy. The introduction of an IP into an information system can improve the protection of the users information by structuring the system in such a way as to remove all unnecessary linkages to the users personally identifying information. PET agents (PISA) will enable the user in its quality of consumer or citizen in e-commerce and e-government transactions and communications to protect himself against loss of informational privacy.

**DESCRIPTION OF WORK**

PISA contributes at building a model of a software agent within a network environment, to demonstrate that it is possible to perform complicated actions on behalf of a person, without the personal data of that person being compromised. In the design of the agent an effective selection of the presented privacy enhancing technologies will be implemented. We label this product as a Privacy Incorporated Software Agent (PISA). Rather than relying on legal protection and self-regulation only, the protection of consumers privacy is probably more effective if transactions are performed by means of technologies that are privacy enhancing. This group of technologies is commonly referred to as Privacy Enhancing Technologies (PET). The PISA demonstration model is planned to be a novel piece of software that...
incorporates several advanced technologies in one product:
- Agent technology, for intelligent search and matching
- Data mining or comparable techniques to construct profiles and make predictions;
- Cryptography for the protection of personal data and the confidentiality of transactions. Additionally the project involves:
- Legal expertise to implement the European privacy legislation and the needed development of new rules and norms;
- System design knowledge in order to turn legal boundary condition into technical specifications;
- Advanced software programming skills to implement the privacy boundary conditions.

Related information

Result In Brief
- Protecting privacy in networks and software agents
- Enhancing privacy and security for e-transactions

Report Summaries
- FINSA privacy and security software components
- Handbook "Privacy and PET"
- TUDelft privacy crypto

Coordinator

NETHERLANDS ORGANISATION FOR APPLIED SCIENTIFIC RESEARCH - TNO
SCHOEMAKERSTRAAT 97
2628 VK DELFT
Netherlands

Administrative contact: Jan HUIZINGA
Tel.: +31-70-3740308
Fax: +31-37-406511
E-mail

Participants

FINSA CONSULTING SOCIETA A RESPONSABILITA LIMITATA FUTURO & INNOVAZIONE -
STRATEGIE AZIENDALI RICERCHE E CONSULENZA
VIA D'ANNUNZIO 1
16121 GENOVA (GE)
Italy

Administrative contact: Alfredo RICCHI
Tel.: +66-86-8908
Fax: +66-87-5274
E-mail

GLOBALSIGN
AVENUE DES ARTS 1/2 BTE 10
1210 BRUXELLES
Belgium

Administrative contact: Olivier LIBON
Tel.: +32-27-243636
Fax: +32-27-243637
E-mail
Subjects

Information Processing and Information Systems - Innovation and Technology Transfer - Safety

Last updated on 2005-06-13
Retrieved on 2016-01-25

© European Union, 2016