

Share and Reuse of Security Models

WiP-session, ACSAC 2008

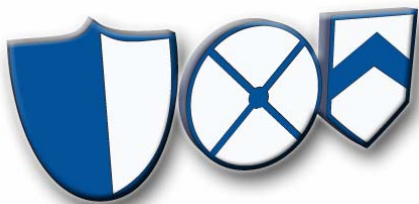
Nahid Shahmehri, Project manager, Linköping University, Sweden

Per Håkon Meland, Technical manager, SINTEF, Norway

Eva Coscia, Dissemination manager, TXT e-Solutions, Italy

(Presenter: Lillian Røstad, SINTEF, Norway)

The research leading to these results has received funding from the European Community's Seventh Framework Programme (FP7/2007-2013) under grant agreement n° 215995.



SHIELDS

Detecting known vulnerabilities from within design and development tools





The SHIELDS project

SHIELDS Main objective

The main objective of SHIELDS is to *bridge the gap between security experts and software developers and thereby reduce the occurrence of security vulnerabilities.*

Project data

Project type: Collaborative Project (STREP)

Duration: 30 months

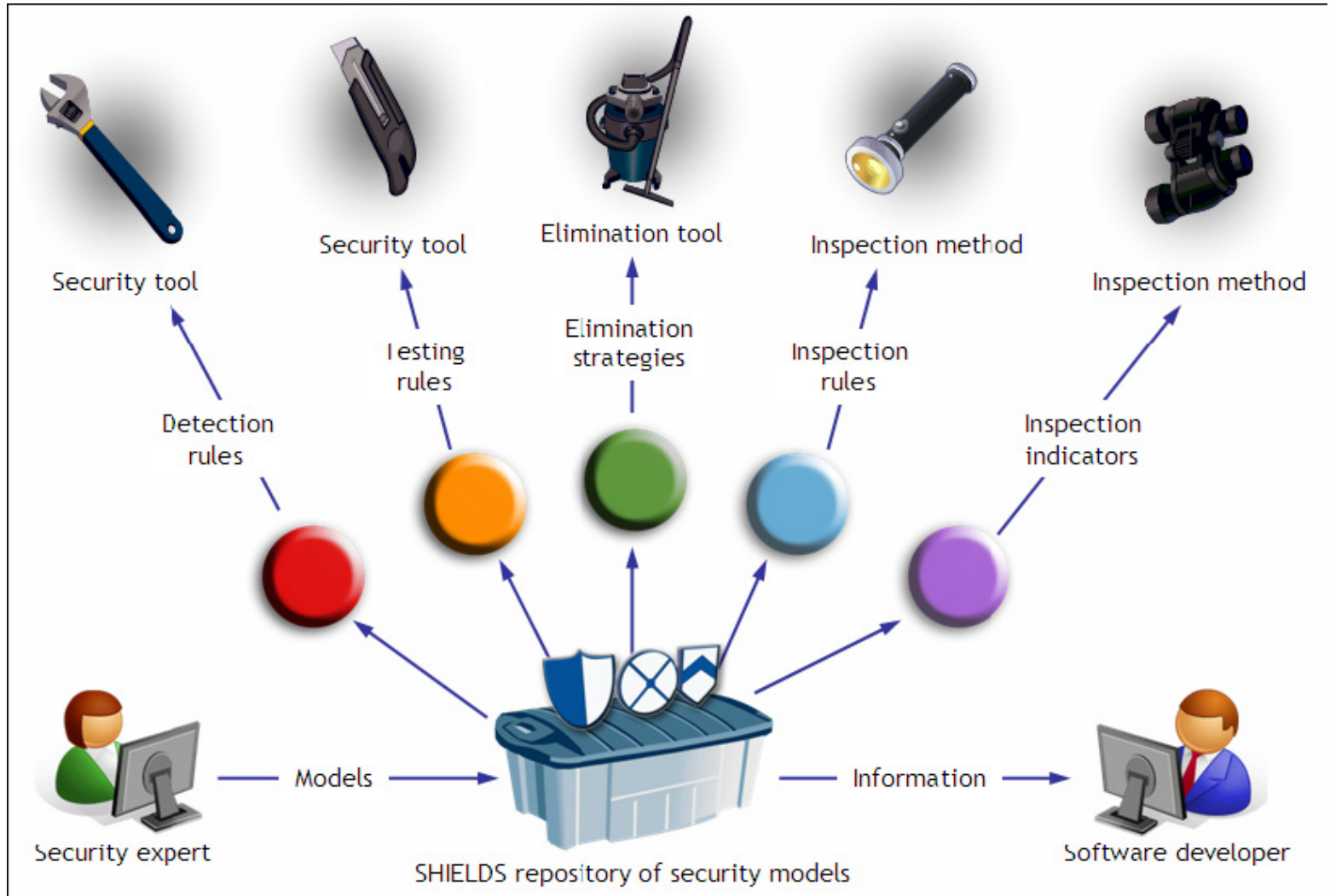
Project start: January 1, 2008

Partners: LiU (Sweden), SINTEF (Norway), TXT (Italy), Fraunhofer (Germany), SEARCH-LAB (Hungary), ESI (Spain), Institut National de Télécommunications (France), Montimage (France)



The SHIELDS Approach

SHIELDS





SHIELDS Models

- Vulnerability models
 - *Vulnerability Cause Graphs (VCG)*

- Threat models
 - *Misuse Case*
 - *Attack Trees*

- Security activity models
 - *Security Activity Graphs (SAG)*

- Inspection models
 - *Security Goal Indicator Trees (SGIT)*
 - *Guided Security Inspection Checklists*
 - *Vulnerability Inspection Diagrams*
 - *Security inspection scenarios,*



More information available at:



<http://www.shields-project.eu>

SHIELDS



The SHIELDS consortium



Linköpings universitet (Sweden)



Stiftelsen SINTEF (Norway)



European Software Institute (Spain)



Fraunhofer IESE (Germany)



Institut National de Télécommunications (France)



Montimage SARL (France)



SEARCH-LAB Ltd (Hungary)



TXT e-solutions SPA (Italy)