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# *European Responsible Care® Forum*

## *Security & Safe Maintenance*

Brussels, Thursday 7 April 2011

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# IMPROVE PROJECT

## To enhance Secure infrastructure

### Agenda:

- History
- Objective of the Project
- Content of the WP of IMPROVE
- Cross-cutting operator tool for threat scenarios and security risk assessment
- Overview Security Vulnerability Assessment
- Process Flowchart of the SVA Methodology
- Table of content SVA TOOL
- Appendixes
- IMPROVE II





# History



European Commission Directorate Home Affairs issued a;

- Grant agreement with CEFIC (European Chemical Industry Council) on 5 December 2008.
- 11 December 2008 kick off meeting Project IMPROVE
- 10 September 2010 Final Presentation to European Commission





# Objective of the Project

Improve knowledge of effective critical infrastructure protection and facilitate exchange of experience and best practices.

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# WP 1: Cross-cutting operator tool for threat scenarios and security risk assessment

## Scope of the study

- It concerns critical infrastructures, Internal as well as external intentional acts from malevolent through to and acts of terrorism
- Loss of containment of hazardous substances on the plant site
- Contamination or spillage of plant products to cause harm on or off site
- Degradation of assets or infrastructures through destructive acts
- The threat of chemical theft or chemical misuse with the intent to use it or transform it in order to cause harm offsite will not be taken into account in this report, except if they result in catastrophic events on site Therefore 'supply chain security' issues are outside the scope of this methodology.



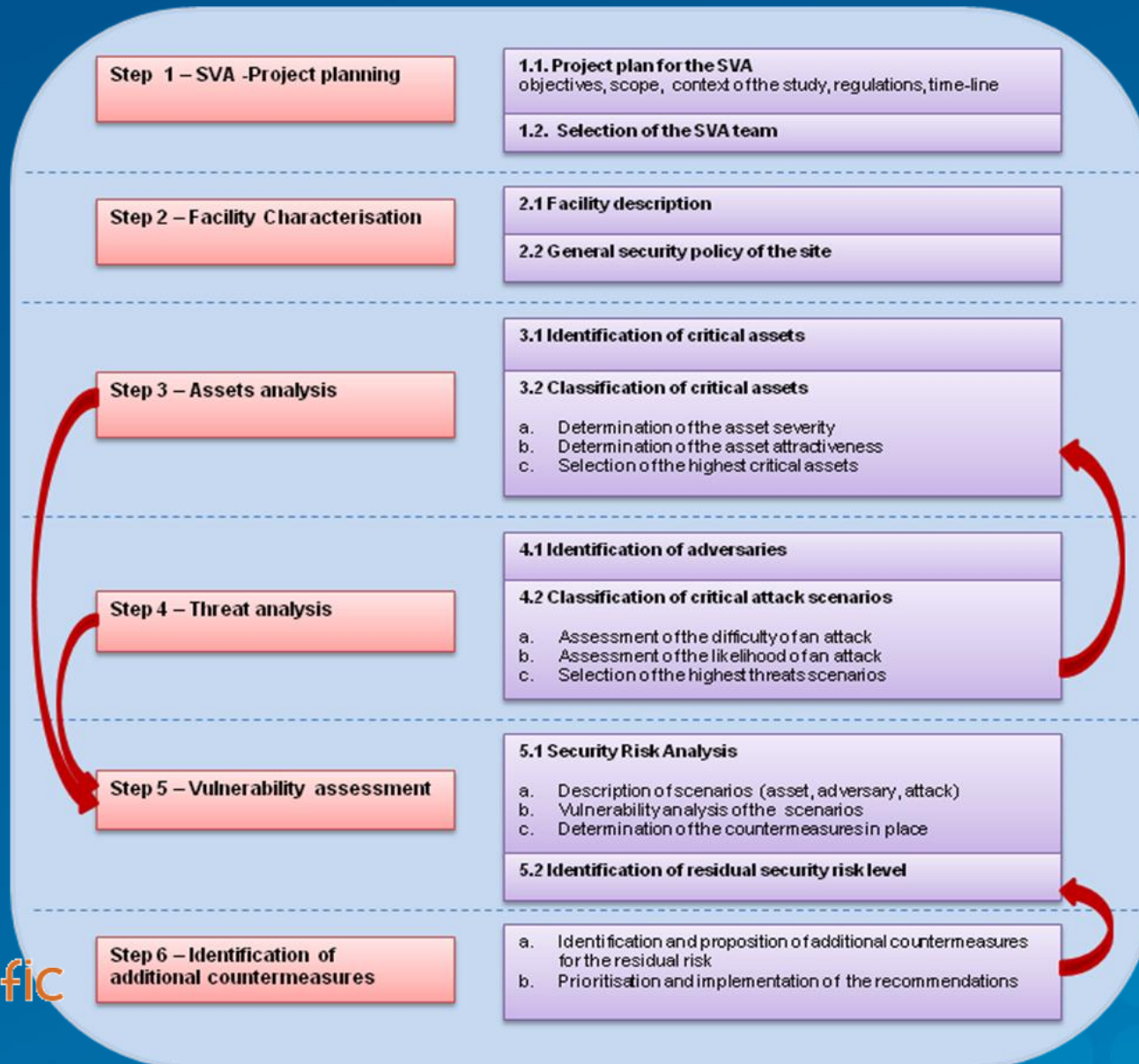


# Content of the WP of IMPROVE

- **WP 1:** Cross-cutting operator tool for threat scenarios and security risk ass.
- **WP 2:** Status of safety and security legislation implementation and overview of voluntary initiatives and industry best practices
- **WP 3:** Case Study 1 – Assessment of threats and risks and implications on the security management system of a chemical site
- **WP 4:** Case Study 2 – Assessment of threats and risks and implications on the security management system of an energy plant (Seveso-establishment)
- **WP 5:** Evaluation of the case studies – stakeholder workshop to share results and discuss potential for improvement
- **WP 6:** Consolidation of results, identification of best practices and development of EU-level guidance for implementation
- **WP 7:** Communication and information dissemination
- **WP 8:** Project Management

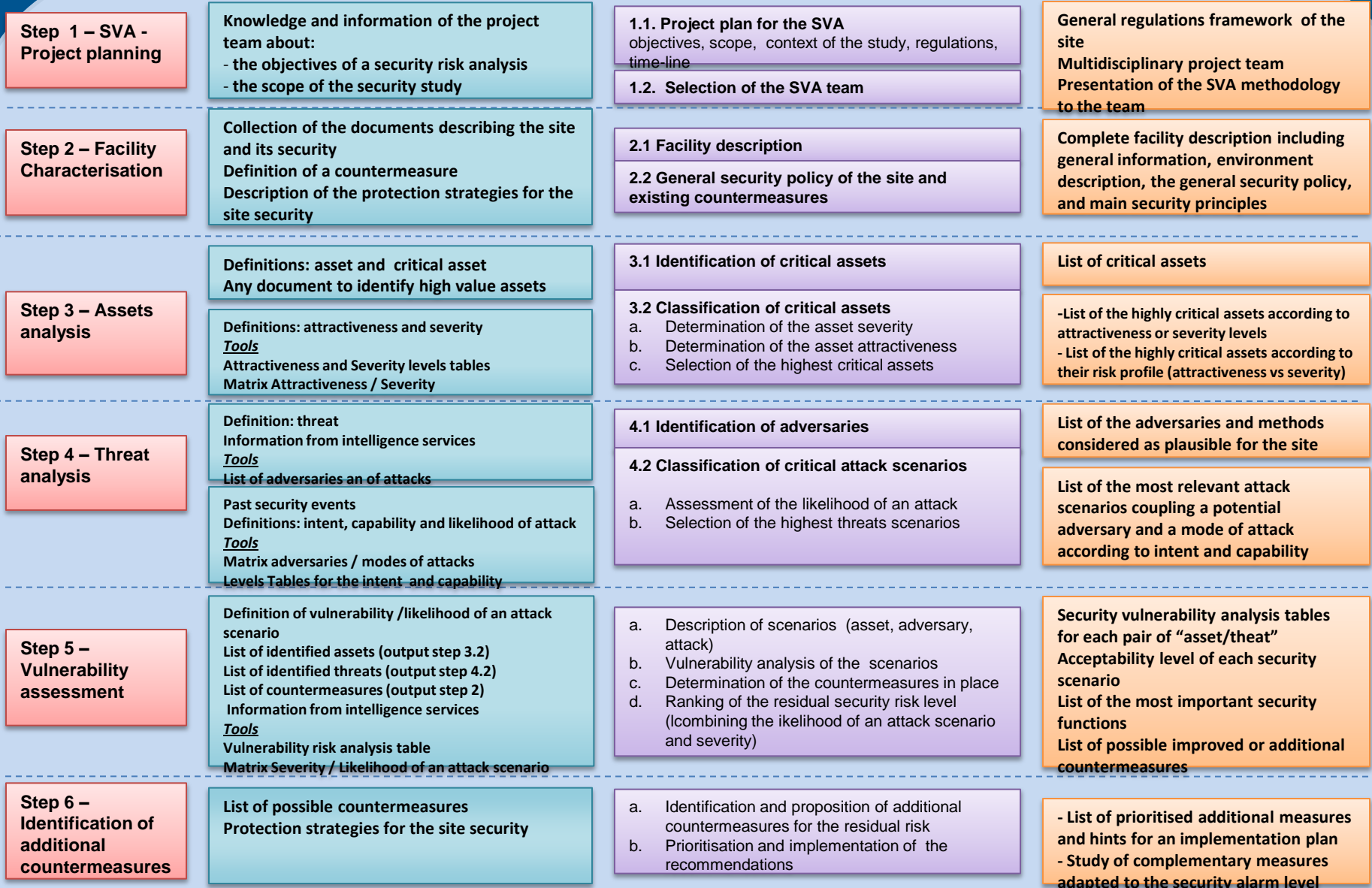


# Overview Security Vulnerability Assessment



## INPUT

## OUTPUT





# Table of content SVA TOOL



Step 0: Introduction and overview e.g. scope, cost benefit, how to obtain expertise etc.

Step 1: Project plan, clarify objectives, define scope, selection SVA team, familiarise with appropriate regulations etc.

Step 2: Facility characterisation

Step 3: Assets Analysis

Step 4: Threat Analysis

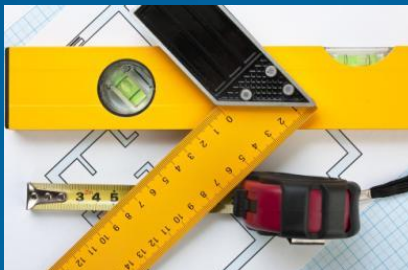
Step 5: Security Vulnerability Assessment, threat scenarios, vulnerability analysis etc.

Step 6: Identification of additional counter security countermeasures

Step 7: Overview of the SVA methodology



1. Links between the SEVESO Directive requirements and the SVA
2. Protection Strategies for Site Security Management
3. Threat Catalogue
4. Glossary
5. Worked Example
6. The operator security plan (OSP)



**Next step IMPROVE II**



# IMPROVE II

## Main elements of the assignment

- **User Requirement Analysis and Briefing of Test Sites Work**
- **Development of SVA ICT Tool**
- **Guidance on the implementation of Security Management Systems (SMS)**
- **Guidance on Threat Catalogue**
- **Develop a Suite of Training Materials**
- **Communication & Dissemination (incl. translation)**





# European Commission



With the support of the Prevention, Preparedness and  
Consequence Management of Terrorism and other  
Security-related Risks Programme – European  
Commission – Directorate-General Home Affairs





# Thank You



## Any questions?

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