



# SMESEEC

## Protecting **S**mall and **M**edium-sized **E**nterprises digital technology through an innovative cyber-**SEC**urity framework

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SAINT WORKSHOP

March 20th 2018, Athens, Greece



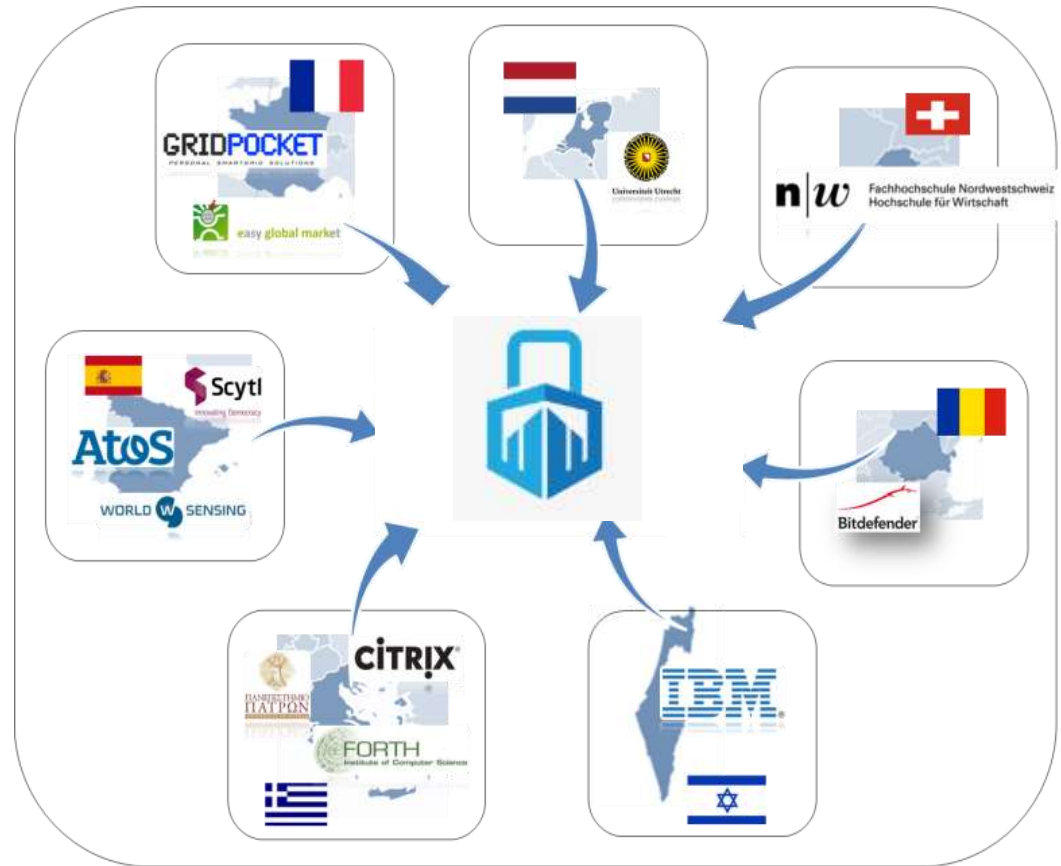
Co-funded by the Horizon 2020  
Framework Programme of the  
European Union



Schweizerische Eidgenossenschaft  
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# Project overview

- Duration: 36 Months.
- Partners: 12, 7 countries.
- Coordinator: ATOS.
- Technical coordinator: CITRIX.
- Starting date: June 2017
- TOPIC DS-02-2016: Cyber Security for SMEs, local public administration and Individuals
- European Union's Horizon 2020 research and innovation programme grant agreement No 740787 (SMESEC). Swiss State Secretariat for Education, Research and Innovation (SERI) contract number 17.00067.



# Scope

- How do we protect our organisation against cyber attacks?
- Complexity, Time, Costs => \$\$\$
- Large organizations have their own cybersecurity departments and solutions.
- What happens to small and medium organisations or public administrations?

# The problem of the small

- Not enough resources.
- Do not have security expertise (usually).
- Security solutions are expensive (or complex).
- They do not take seriously the threats (who would attack me?).
- They have more assets than an individual consumer and less security than a larger enterprise.
- Time to market is essential.

# Motivations

- Cybersecurity solutions are usually generic.
- Adding cybersecurity to a business is costly.
- Attacks are getting more complex and cannot be solved with just one security product.
- SMEs need “friendly” solutions.
- The human factor (e.g. employees) are often the weakest point.
- Cybersecurity solutions should be an added value to SMEs, not a problem.

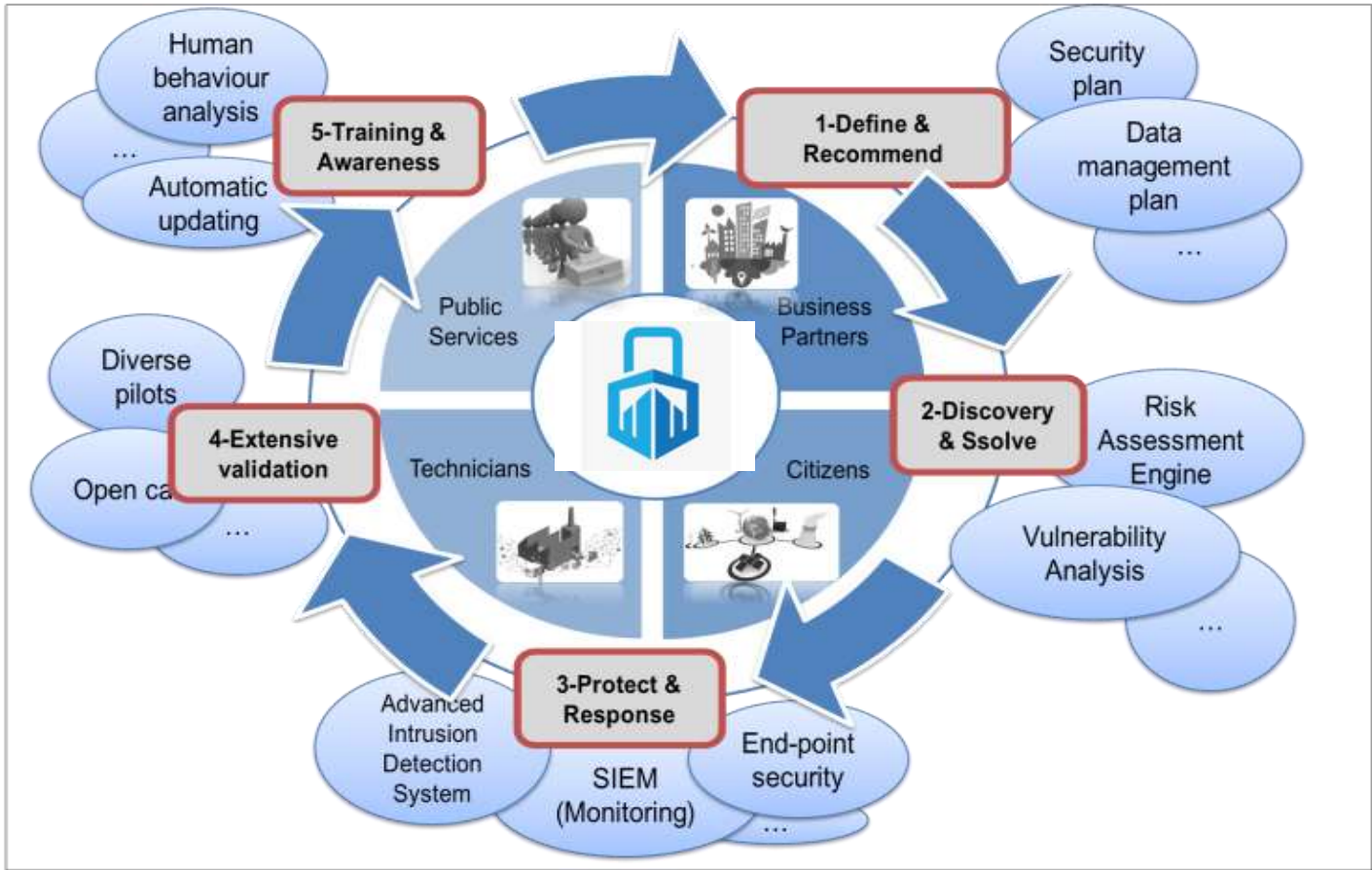
# Goals of the project

- Support SMEs for adding cyber-security protection to their businesses with easy-to-implement security.
- Solutions that take into consideration the “human factor”.
- Develop training activities for employees.
- Create solutions using as basis latest standards.
- Validate in four different and transversal use cases.
- Open call for validation across different types of companies and services.

# SMESEC objectives

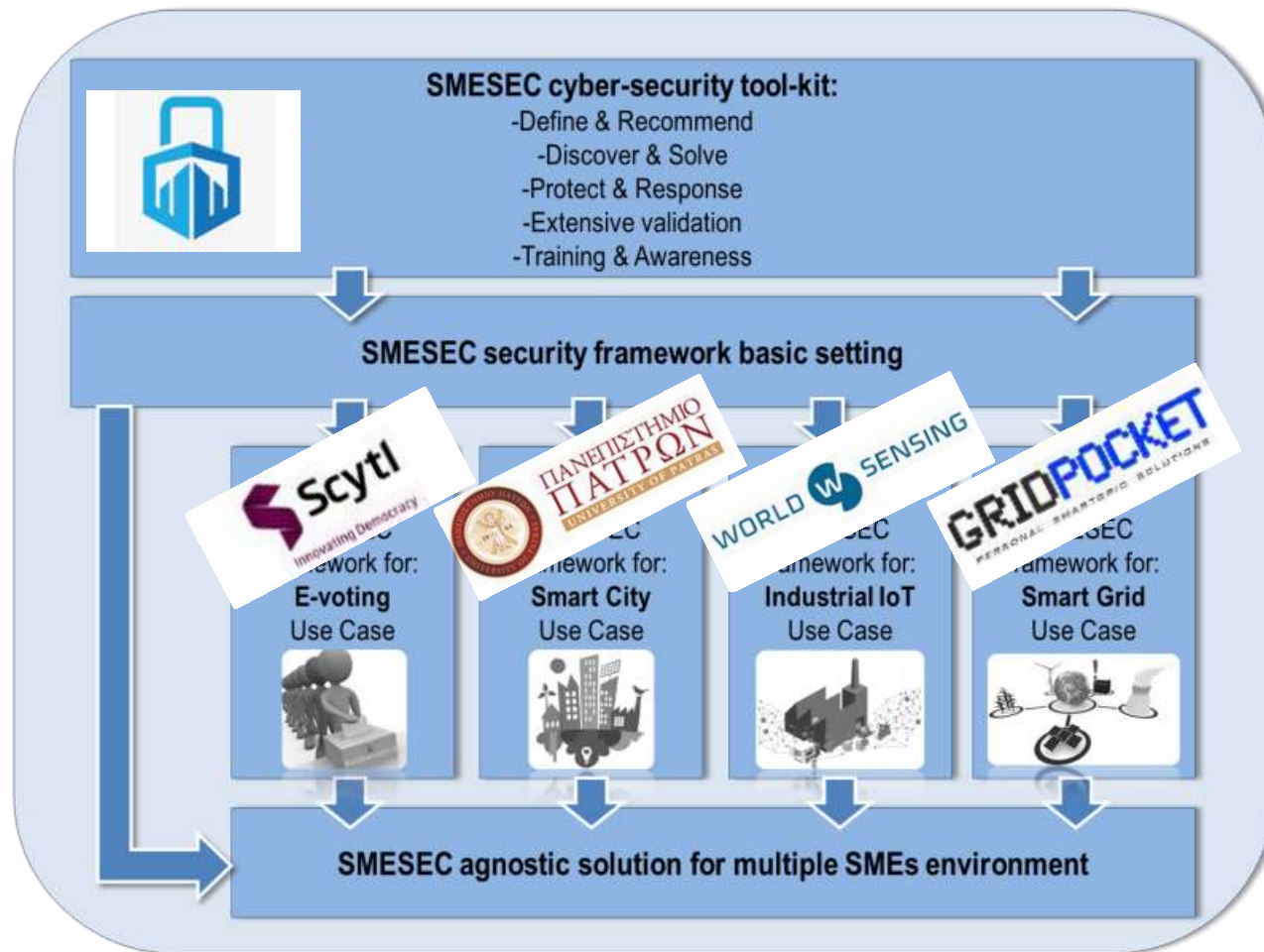
SMESEC Objectives (5)	
No 1	High quality cyber-security solutions attractive to companies and organizations with restricted budget.
No 2	Increase protection by focusing on increasing awareness and training for SMEs and their “insiders” - support them with innovative intelligent tools.
No 3	SMESEC security toolkit validated in multiple SMEs environment with diverse products and services - (four pilots: e-Voting, Smart Cities, Industrial IoT and Smart Grids).
No 4	Consolidating international and European links and harmonizing solutions with general standards and directives - promoting cyber security policies and models.
No 5	Ready to market solutions and immediate market impact.

# Approach





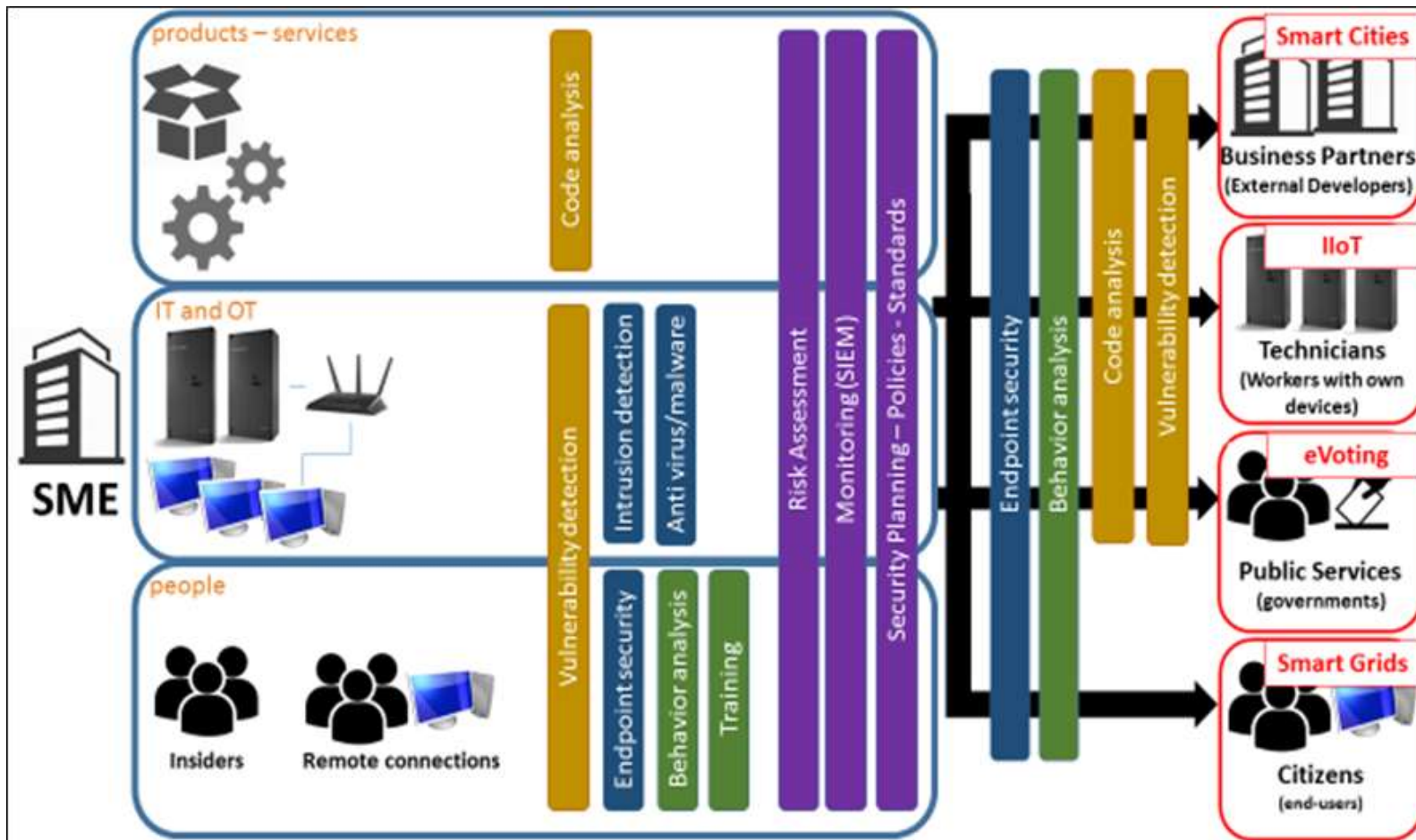
# SMESEC validation – 4 pilots



# SMESEC security products

Partner	Contributed Product	TRL in	TRL out
IBM	Vulnerability detection methods and tools	5	7/8
IBM	Code vulnerabilities assessment	5	7
IBM	Virtual patching tools	1/2	6
ATOS	XL-SIEM Cross-Level Cybersecurity Event and Information Management	7	8/9
ATOS	Risk Assessment Engine	5	6/7
CITRIX	NetScaler Unified Gateway and AppFirewallNetScaler Gateway	7	8/9
CITRIX	NetScaler Secure Web Gateway	2/3	6
BitDefender	TotalSecurity 2016, GravityZone	7	8/9
FORTH	Early Warning Intrusion detection System EWIS	7	8
FORTH	DDoS detection system	4	5
EGM	Testing tools CertifyIT and TITAN	7	8/9
FHNW	User behavior analysis, incremental self-assessment and experiential training	7	8/9
UU	Information security assessment tools	5	7

# SMESEC overall framework





# SMESEC

## Thank you!



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FORTH

Foundation for Research & Technology - Hellas



easy global market

Innovating Democracy

PERSONAL SMARTGRID SOLUTIONS

Fachhochschule  
Nordwestschweiz



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The work described in this presentation has been conducted within the project SMESEC. This project has received funding from the European Union's Horizon 2020 (H2020) research and innovation programme under the Grant Agreement no 740787. This document does not represent the opinion of the European Union, and the European Union is not responsible for any use that might be made of its content.