



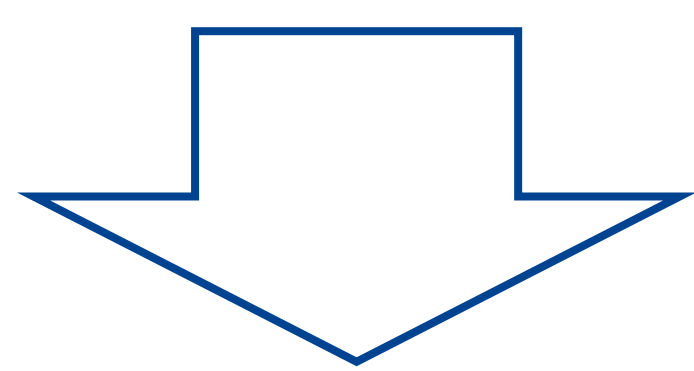
Cybersecurity and privacy dialogue between Europe and Japan

Preliminary version of Cybersecurity Research Analysis Report for the two regions



Objectives

- Establishing a clear picture on the cybersecurity and privacy domain in both regions by analysing existing regulations, standards, projects, programmes, roadmaps, etc.
- Analysing the cybersecurity priorities in both EU and Japan



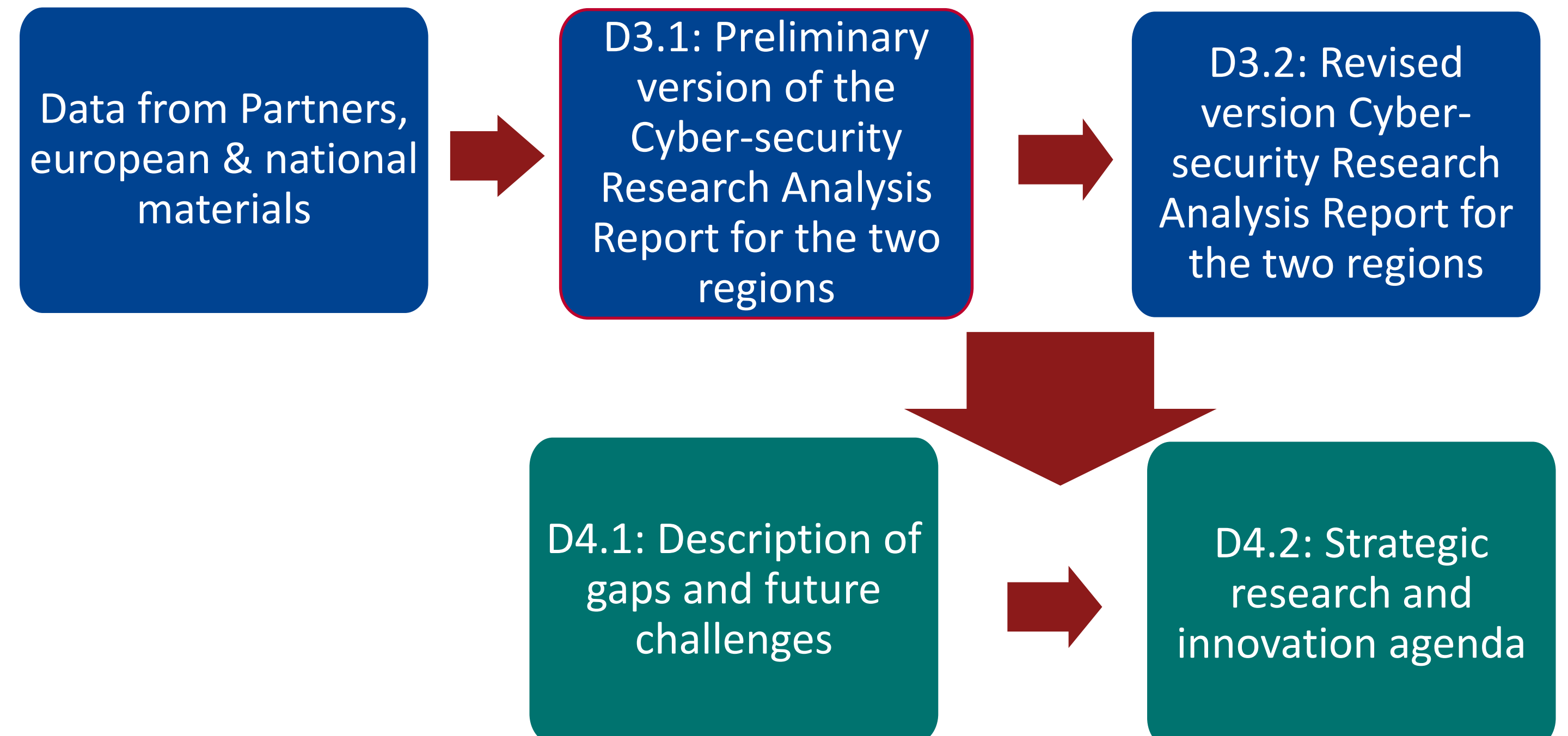
- in order to produce a background document on the status and priorities of cybersecurity and privacy research and innovation activities in Europe and Japan

The scope

- Identification and description of the mechanisms used to finance research and innovation
- An overview of the main research directions in the field, identification of the strong and weak points in the both regions to indicate:
 - topics of common interest, where cooperation opportunity is clear,
 - topics where some aspects are covered asymmetrically, allowing greater synergy
- Analysis of the current role and activity of different units (SMEs, research institutions, CSIRTs, etc.) in research and innovation in Europe and Japan to find:
 - possible asymmetries increasing the value of possible cooperation
- Analysis of long-term research programs at the national and international level
 - to find thematic parallels between the EU and Japan which may create opportunities for either co-financing of joint EU-Japan projects or at least synchronization of efforts enabling cooperation



Data flow



Contents

- 1 Introduction
 - 2 Legal and policy aspects
 - 2.1 Executive summary
 - 2.2 The European landscape
 - 2.3 The Japanese landscape
 - 2.4 Conclusions
 - 3 Research and innovation aspects
 - 3.1 Mechanisms to finance cybersecurity research
 - 3.2 The main research directions in the field
 - 3.3 The strong and weak points
 - 3.4 Common interests between the EU and Japan
 - 4 Industry and standardization aspects
 - 4.1 Industry activity around research
 - 4.2 Common topics of interest
- Appendix A
Brief description of the methodology of cybersecurity strategies description
The EU member states' national cybersecurity strategies

The most important findings

- There are still gaps and differences between the two regions, despite many similarities and overlaps. This is particularly easy to notice in legal and policy aspects.
- There are many various programs and institutions financing research in the field of cybersecurity and privacy.
- It is worth noting that in many aspects of research in cybersecurity and privacy, strong and weak points are common to both regions. In the case of significant differences, the most important distinguishing features are provided.
- Industry in both regions has identified great interest in areas such as 5G and big data, with specific organizations created in both spaces to promote these technologies and to address cybersecurity challenges in these areas.
- Common research interests include the privacy of big data, the availability and reliability of open data, the security of 5G communication networks and protocols, cryptography, and legal aspects related to cybersecurity in order to enable new applications and technology developments.

Partners



Project Details:

Start date: 1st June 2017

Duration: 24 Months

Project Coordinator: IMT

EC Contribution: 499.812,50€

EUNITY (GA No 740507) receives funding from the @EU_H2020 Research and Innovation Programme (H2020-DS-2016-2017/DS-05-2016).



Contact:

Prof. Hervé Debar

herve.debar@telecom-sudparis.eu

Charler Fourier 9

91011 Evry, France