H2020 EUNITY: Cybersecurity and Privacy Dialogue between Europe and Japan

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3rd French Japanese Meeting on Cybersecurity
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Data Sheet

Call	DS-05-2016
Designation	EU Cooperation and International Dialogues in Cybersecurity and Privacy Research and Innovation
Scope	2 – International dialogue with Japan
Type of Action	Coordination and Support Action (CSA)
Number	740507
Duration	24 months
Start Date	2017.06.01
Project Budget	$< 500k€$

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H2020: European ICT Framework Programme

HORIZON 2020

- A 7-year European funding programme for research and innovation
- Endowed with 79B€ to fund projects on 3 major axes:
  - scientific excellence (fundamental research, emerging technologies, collaborative and interdisciplinary research, world-level research infrastructures, researcher mobility)
  - industrial leadership (innovation, public-private partnerships, support to SMEs, trending topics (ICT, nano, bio, etc.))
  - societal challenges (interdisciplinary projects to tackle European challenges (healthcare, sustainable agriculture, climate, transports, renewable energies, etc.))
- Single gateway to fund R&I with:
  - simplified procedures (accelerated attribution, simplified cost model)
  - increased funding objectives on SMEs
  - project lifelong support: from idea to market

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CSA: Coordination and Support Action

- Focus is not on fundamental and technical contributions to research (R&I actions)
- Focus on support actions:
  - standardization
  - dissemination
  - awareness
  - communication
  - networking
  - coordination
  - political dialogue
  - knowledge exchange
  - survey
  - strategy planning
- Entirely funded by the European Commission
- Lasts 12 to 30 months

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Background

Commissioner Oettinger during the launch of the Cybersecurity cPPP (July 5th, 2016):

> *"We call on Member States and all cybersecurity bodies to strengthen cooperation and pool their knowledge, information and expertise to increase Europe's cyber resilience."*

Background

Roadmapping:

- CyberROAD
- SECCORD
- CAPITAL
- SysSec

Enhancing cooperation:

- INCO-Trust and BIC
- CIRRUS
- CONNECT2SEA
- FORWARD

Background

Core partners of EUNITY are from FP7 NECOMA:

- was an FP7 R&I project on automating the whole cybersecurity *pipeline* from threat data collection to analysis to reaction
- concluded that **sharing research roadmap information** is a key goal in achieving cybersecurity innovations
- considered successful in terms of **collaboration and common work between Japan and EU** on the topic of cybersecurity
- organized a **business meeting** at the University of Tokyo with Japanese cybersecurity stakeholders
- organized **two academic workshops** (BADGERS) at cybersecurity-focused venues (ESORICS, RAID)
- developed the **n6 API** for sharing threat information
- involved **cybersecurity stakeholders** (ANSSI, JPCERT, NTT) within the project EAB

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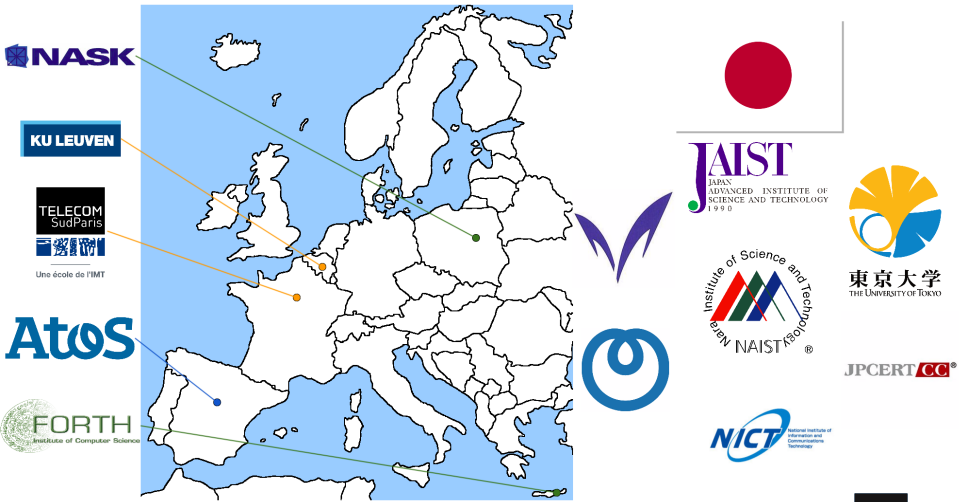
Objectives

EUNITY is a CSA project between Europe and Japan that aims at:

promoting and fostering cybersecurity activities in both regions

1. encourage, facilitate and support the ICT dialogue
2. identify potential opportunities for future cooperation
3. foster and promote European cybersecurity innovation activities

Objective 1

Encourage, facilitate and support the ICT dialogue by organizing 2 workshops with relevant stakeholders

- policy groups
- industry
- academia

- cybersecurity
- privacy
- R&I trends

$\rightarrow$ feedback to EU-based organizations (EC, ECSO, EOS, NIS)

Indicators

1.1 number of "local" participants physically attending (l): $60 < l < 80$

1.2 number of "foreign" participants physically attending (f): $10 < f < 20$

1.3 number of "remote" participants virtually attending (r): $r > 2 * (l + f)$

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Objective 2

Identify potential for future cooperations by proposing a EU-Japan Cybersecurity and Privacy Strategic Research and Innovation Agenda (EUJ-C&P-SRIA)

- legislation
- policies
- agendas
- roadmaps
- timelines

- at the EU level
- at the national level
- in Japan

Indicators

2.1 (partial) transfer of the EUJ-C&P-SRIA to DS-05-2016 Scope 1 CSA

2.2 (partial) transfer of the EUJ-C&P-SRIA to ECSO

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Objective 3

Foster and promote European cybersecurity innovation activities by showcasing important project results

- increase international visibility of EU cybersecurity activities
- include key European research actors in the project's workshops

Indicators

3.1 number of European policy, business and standards presentations at the Japanese workshop (p): $p > 6$

3.2 number of European business and standardization attendees at the final workshop (a): $a > 50$ (30 of which from industry/standards)

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Implementation

Constituencies

Inputs:
- Cybersecurity cPPP
- FP7, H2020
- ISO 27036 STIX, CybOX
- Roadmapping projects
- NIS directive
- National strategies
- GDPR
- National clusters

Inputs

WP1 ETHICS

WP2 DIALOGUE

WP3 TOPICS

WP4 COOPERATION

WP5 MANAGEMENT

EUNITY

- D1.1 Community engagement
- D1.2 JP workshop
- D1.3 EU workshop
- D2.1 - D2.2 Cybersecurity research analysis
- D3.1 Gaps and future challenges
- D3.2 EUJ-C&P-SRIA

Approach (I)

Workpackage 2 - *Dialogue and community interactions*

[T2.1] *Dialogue*: organization of 2 workshops

- *Bootstrapping the dialogue* (Tokyo, October 2017):
- *Finalizing the research agenda and initiating dissemination and transfer* (Europe):

Means to succeed:

- successful experience in organizing conferneces & workshops (BADGERS, ESORICS, EuroSec, RAID, TRUST)
- modern communication means (e.g., webcasting or livetweeting) to engage audience
- dialogue activities in other venues, with early interaction and dissemination within ECSO

Approach (I)

Workpackage 2 - *Dialogue and community interactions*

[T2.2] *Information gathering*: collection and identification of relevant cybersecurity information in both regions

- current research scenarios
- technological advancements
- cybersecurity state-of-the-art

Means to succeed:

- collect sources in each region, e.g., H2020 work programme, European Technology Platforms, FP7/H2020 projects
- cluster, classify and analyze the collected information

Workpackage 3 - *Elicitation of common topics of interest*

[T3.1] *Legal and policy aspects*

- analysis of regulatory documents, EU directives and legal frameworks
- elicitation of common regulatory aspects of cybersecurity and privacy
- impact to the policy-makers and CERT communities, as well as the business community

Means to succeed:

- regulatory documentation is plentiful
- our new partner, KU Leuven, offers expertise in legal aspects of cybersecurity

Approach (II)

Workpackage 3 - *Elicitation of common topics of interest*

[T3.2] *Research and innovation aspects*

- analysis of research agendas from former CSAs, ETPs, and the NIS SRIA
- impacts to the research and likely, the business communities

Means to succeed:

- the consortium has huge experience in past CSAs
- partners of the consortium are involved in the NIS directive

Approach (II)

Workpackage 3 - *Elicitation of common topics of interest*

[T3.3] *Industry and standardization aspects*

- analysis of the outputs of industry clusters and associations
- exchange within the entire scope of standardization bodies

Means to succeed:

- partners are involved in strategic and research clusters at national and international levels
- partners have presence in many standardization bodies (ETSI, IETF, ITU-T, etc.)

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Workpackage 4 - *Opportunities for cooperation*

[T4.1] *Gaps and future challenges*: pictures the gaps in existing collaborations between EU and Japan

- participation of Japanese partners in European projects
- bilateral research agreements and joint EU-JP calls
- scientific collaborations between Japan and other areas

Deliverable D3.1 is a complete model for future improvements:

- community based governance model
- processes to support modes of operation
- rules for information publication and sharing
- suggested working groups

Approach (III)

Workpackage 4 - *Opportunities for cooperation*

[T4.1] *Gaps and future challenges*: pictures the gaps in existing collaborations between EU and Japan

Means to succeed:

- EUNITY Japanese associated partners have been involved in a number of bilateral research projects and joint EU-JP calls
- cartography of research activities in France could be reproduced to cover Europe and Japan

Approach (III)

Workpackage 4 - *Opportunities for cooperation*

[T4.2] *EU-Japan Cybersecurity & Privacy Strategic Research & Innovation Agenda*

The SRIA includes:

- a protocol to support coordination across stakeholders
- a methodology to prioritise investments
- a definition of the research areas and identification of gaps in EU and Japan
- a proposed implementation and sustainability process: objective is to transfer the results to the scope 1 CSA and to ECSO
- a detailed timeline

Workpackage 4 - *Opportunities for cooperation*

[T4.2] *EU-Japan Cybersecurity & Privacy Strategic Research & Innovation Agenda*

Means to succeed:

- EUNITY partners are involved in ECSO and other institutions/projects that are defining roadmaps and agendas
- Early contact will be made with the Scope 1 CSA
- EUNITY partners cover the whole scope of stakeholders and research topics

Call for Participation

Thank you for your attention!

To contribute to the EUNITY effort, join us:

- attend and interact during the workshops

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but first...

- **contact us!**

Contact: gregory.blanc@telecom-sudparis.eu

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