<table>
<thead>
<tr>
<th>Programme</th>
<th>Horizon 2020</th>
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<tr>
<td>Grant Agreement</td>
<td>101021377</td>
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<tr>
<td>Funding scheme</td>
<td>IA – Innovation Action</td>
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<tr>
<td>Budget</td>
<td>€ 5,244,997.50</td>
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<tr>
<td>EU- Contribution</td>
<td>€ 4,645,031.25</td>
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<tr>
<td>Start date</td>
<td>1 June 2021</td>
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<tr>
<td>End date</td>
<td>31 May 2024</td>
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<tr>
<td>Website</td>
<td><a href="http://www.trustaware.eu">www.trustaware.eu</a></td>
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<td>Social media</td>
<td>@Trustaware</td>
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</tbody>
</table>
Who we are

01 CERT body
01 International platform
03 Industrial companies
03 Research organisations
04 User associations
Who we are

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101021377
Motivation

01. Users are not always aware of their exposure to Security & Privacy (S&P) risks when they use software. This results in bad usage habits and lack of risk prevention mechanisms.

02. Developers are lacking best-practices for S&P-by-design in software engineering.

03. Standards and certifications are key enablers for assessing and assuring the level of S&P protection provided by modern software and their risks. However, developers and operators lack S&P certification methods and standards.

04. Regulators and national agencies all over the world are defining and implementing new legal frameworks for protecting citizens against online S&P threats. But it is unclear whether the penalties are sufficient deterrent against S&P mispractices.
S&P Vicious VS Virtuous cycle

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Overall mission

TRUST aWARE's mission is to provide a **holistic and effective digital Security & Privacy (S&P) framework** comprising a set of novel and integrated tools and services co-created by citizens and stakeholders. This framework will help to **identify, audit, analyse, prevent, and mitigate the impact of the various S&P threats** associated with citizen's digital activities in a timely manner, while enhancing software trust and regulatory compliance.
Overall mission

01
TO PROTECT CONSUMERS AGAINST S&P CYBERTHREATS

02
TO ENSURE TRANSPARENT, SECURE AND REGULATORY COMPLIANT DIGITAL PRODUCTS

03
TO FOSTER S&P-BY-DESIGN SOFTWARE BY SUPPORTING STANDARDS AND CERTIFICATION METHODS
Collective intelligence for Computer Emergency Response Teams (CERTs) and Authorities in collaboration with citizens, Chief Information Security Officers (CISOs) and Data Protection Officers (DPOs) to ensure and audit that digital products and their S&P practices are transparent, secure and in compliance with regulation.

User-friendly tools to protect consumers against S&P cyberthreats (attacks, abusive practices and inappropriate behaviours of digital services) to enable them to better understand, control, detect and respond to S&P threats and attacks in a timely manner, as well as configuring their own S&P protection settings.

Knowledge to foster S&P-by-design in software engineering by supporting developers and digital service operators with standards and certification methods for compliance with the European S&P regulation.

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Technical challenges

1. A Digital S&P Analysis Lab (DS&PA Lab) will provide digital S&P assessment capabilities longitudinally and at scale to gain **behavioural intelligence on S&P risks in digital products** used by regular users (applications, websites, and browser extensions).

2. Digital S&P Enhancing Tools (S&PETs) for end users augmented with the intelligence generated in the DS&PA Lab to identify a wider spectrum of risks.

3. Collective S&P Cyber Threat Intelligence (S&PCTI) for stakeholders, building bridges between citizens, organisations, CERTs, DPAs, and developers.
Socio-technical challenges

1. **Build on a multidisciplinary analysis of the framework conditions** that determine the various S&P risks faced by EU citizens, addressing **technical, social, economic, ethical, standardisation, regulatory and legal aspects**. These are critical for informing the different software engineering stages (from design to production) towards the assurance of impact and adoption of TRUST aWARE’s solutions. Additionally, this process will allow us to obtain evidence and insights for informing the cyberthreat, standardisation, and regulatory debates and efforts.

2. **Develop a user-centric co-creation and evaluation process**, with users and stakeholders involved for assuring the impacts of TRUST aWARE in **operational environment** (Technology Readiness Level: **TRL-7**). User-driven pilots will enable a continuous feedback loop. As TRUST aWARE will provide **tools for all citizens**, including vulnerable groups, our pilots will consider gender balance and diverse population groups, with specific focus on **minors** (<18 y/o), where special S&P protection is required; and **elderly** (>65 y/o), who often lack digital skills.

3. **Perform cross-disciplinary actions** in a holistic manner for assuring **impacts, sustainability and adoption**, fostering: **training** programs for citizens and stakeholders; **certification** methods (building on **Europrivacy**); liaison and contributions to relevant **standardisation** initiatives; and **exploitation** and **communication** actions.
Community engagement

TRUST aWARE

Organisations
Authorities and regulators
Consumers
CERTs
Standards Developing Organisations
Digital Service operators
Certificators
Software Developers

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