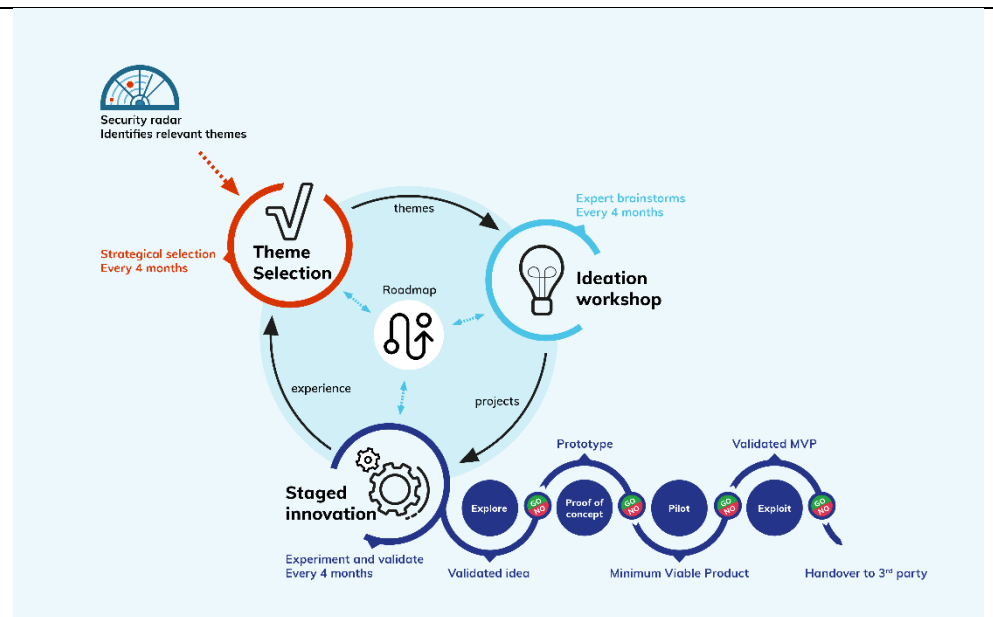


<p><b>Vision and Aims</b></p>	<p>The Partnership for Cyber Security Innovation (PCSI) is a public-private partnership and plays an essential role in a secure and resilient digital society by innovation in the field of cybersecurity. We join forces in developing applicable and innovative <a href="#">cyber security solutions</a> that companies and organizations in Dutch society can use to protect themselves against tomorrow’s cyber-attacks.</p> <p>By working together intensively through an <a href="#">innovative ecosystem</a>, cyber security specialists and experts from our partners connect applied research, actual data and societal challenges uniquely by using each other's networks and working closely together on cyber security innovation.</p> <p>The common objectives of all our partners are:</p> <ul style="list-style-type: none"> <li>• <b>Increase resilience</b> – Increase the resilience of Dutch society against current cyber threats and vulnerabilities.</li> <li>• <b>Long term</b> - Prepare participating organisations for emerging and long-term cyber security challenges.</li> <li>• <b>Open innovation</b> - Stimulate open innovation, visibility, and impact throughout our network.</li> <li>• <b>Engaging network</b> – Build an engaging network with cybersecurity professionals via an <a href="#">innovation ecosystem</a></li> </ul>
<p><b>Target Audience</b></p>	<p>End-users of cyber security solutions (both large companies and SME), security vendors, security service providers and the professional security community</p>
<p><b>Key Features</b></p>	<p>The PCSI innovates in the field of cybersecurity. To be able to switch quickly and to maximise the chance of success of the projects, we work with a short-cycle innovation process. We call this agile way of innovation 'Collaborative Orchestrated Innovation'.</p>



The process is shown in the infographic above. The starting point of our way of working is our [Cyber Security Radar](#). We periodically select the most significant and impactful [trends](#) by organizing theme selection moments three times a year. During creative Ideation workshops, employees of all PCSI partners jointly generate innovative project ideas for each trend. In the end, one idea per trend is developed into a project proposal. All project proposals are pitched to the PCSI steering committee in a Dragons' Den setting after which all are assessed based on various criteria. Criteria that are used include the 'Wow' factor, the advantages of the potential result and whether cooperation is crucial in achieving the result. If the assessment is positive, the project can start in the Explore phase of the staged innovation process.

### Staged Innovation Process

The short-cycle innovation process has four phases, namely Explore, Proof of Concept, Pilot and Exploit. After completion of each phase, there is a Go/No-Go moment. Have interesting results been achieved? Is there sufficient support to take the project to the next phase? Does the project still offer enough perspective? Are we getting stuck? Have new insights arisen? After a thorough and well-founded decision, a project continues to the next phase or is ended.

### Exploitation

The exploitation of results is a specific focal point in the PCSI. We have explicitly defined the final stage in our innovation process to be an 'Exploitation phase'. Once projects enter this phase, we will structurally look for exploitation potential, be it transfer of results to a vendor, creating spin-off companies, publishing software as open-source or publications and presentations.

<b>Achievements &amp; Learnings</b>	<p>Several projects have been completed and had interesting results. Some examples:</p> <ul style="list-style-type: none"> <li>• We are setting a new training up together with a training institute for the role 'security behavior coach', developed in a PCSI project</li> <li>• We have developed in a PCSI project a solution to protect unstructured data using automatic data labelling with Machine Learning techniques. We are talking to a number of security vendors to integrate this solution into their products.</li> <li>• In the continuous battle between cyber attackers and defenders a new perspective is provided by immune system inspired self-healing. The defensive response mechanisms of the immune system against viruses and bacteria can be regarded as a defense in depth approach. We have published software that implements a prototype using these ideas. It can be found here: <a href="https://cossas-project.org/portfolio/sh4cs/">https://cossas-project.org/portfolio/sh4cs/</a></li> </ul> <p>More results can be found on <a href="https://pcsi.nl/projects/">https://pcsi.nl/projects/</a></p>
<b>Launch Date [&amp; Duration]</b>	<p>Launch: June 2020. Duration: three years. Currently discussing extension with another three years</p>
<b>Partners/Sponsors</b>	<p>TNO, ABN AMRO, ING, Achmea, de Volksbank, ASML, Dutch tax services, Dutch government</p>
<b>Further Information</b>	<p>More info can be found on <a href="https://www.pcsi.nl">https://www.pcsi.nl</a></p>
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