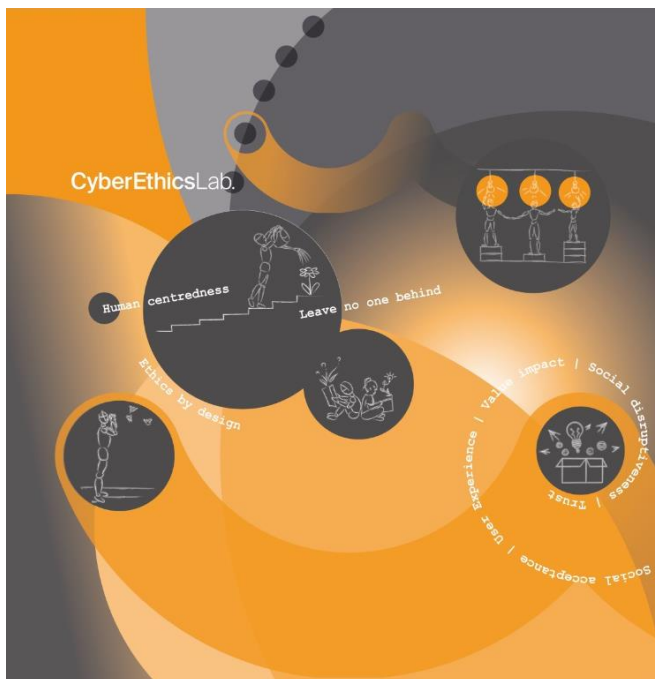


NetworldEurope SME Working Group

SME Success Story – October 2022



CyberEthics Lab.



Graphic designed by CEL to represent its own RRI approach

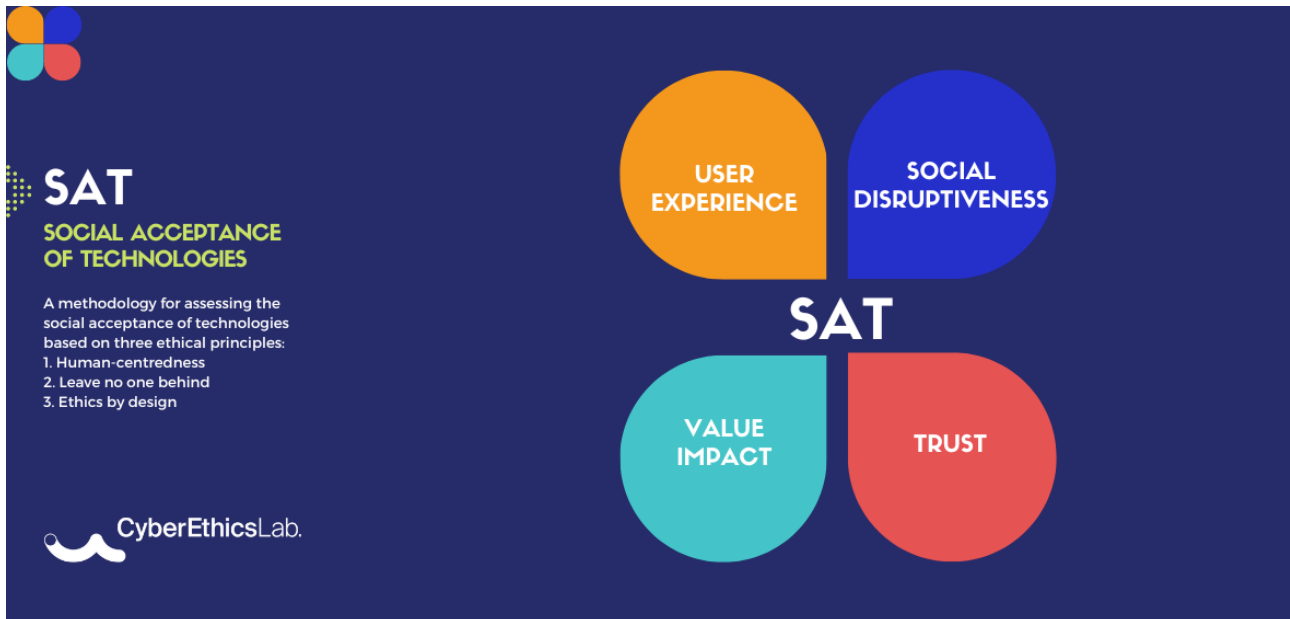
CyberEthics Lab. (CEL), with its own RRI approach (Responsible Research & Innovation) and holistic assessment framework (integrating ethics, societal and regulatory perspectives), has provided many R&D projects and customers with qualitative and quantitative tools and methods to ensure compliance with the EU regulatory and ethics framework, as well as to evaluate the social acceptance of disruptive technologies, not only in terms of usability, but also for enabling a suitable alignment of human values and technological innovation.

This RRI approach is experienced in the context of the 5G-SOLUTIONS project where CEL has defined and tested its own social acceptance of 5G technology methodology, extending the holistic assessment framework. This experience is providing research and development team with

useful insights to build and deploy socially acceptable and sustainable 5G-based solutions. In doing so, the 5G-SOLUTIONS project is particularly standing out within other 5G-PPP projects because it combines the technological and business validation process with a social acceptance study, and it is applied to four different verticals, i.e. Factories of the Future, Smart Energy, Smart Cities and Ports, Media & Entertainment.

For these purposes, CEL has developed an innovative research and assessment methodology for the Social Acceptance of Technologies, the “SAT”, which includes the engagement of all the stakeholders, from developers to users, and aims to support them in integrating psychological, economic, legal, ethical and political values from the very beginning of the design process of new products and systems. In fact, since ethics and society cannot be kept separated, it is necessary for the social acceptance of technologies to embrace both individual values and desires as well as decisions taken at the broadest societal level. The SAT is organised around four conceptual ‘bubbles’, which correspond to four fundamental areas of evaluation: “User-Experience”, “Social Disruptiveness”, “Value Impact” and “Trust”. In various European projects,

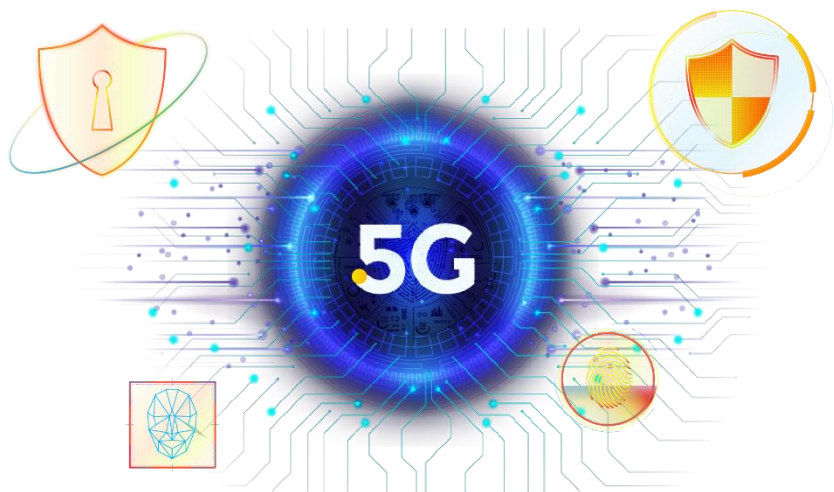
including the 5G-PPP context, CEL is successfully adopting the best practices of the SAT methodology and promoting a new development mindset.



Graphic designed by CEL to represent the Social Acceptance of Technology related to the 5G-SOLUTIONS project

In June 2021, based on the 5G-SOLUTIONS experience, CEL was invited to perform an in-depth study and the results of this activity were presented to the European Parliament (November 2021), and finally, the paper [Privacy and security aspects of 5G technology were published \(March 2022\)](#).

Moreover, in September 2021, CEL presented the paper [Business Value and Social Acceptance for the Validation of 5G technology](#) to the IEEE MeditCom 2021 Conference.



Graphic designed by CEL to represent the privacy and security aspects related to 5G technology

The 5G-SOLUTIONS experience, together with the two relevant papers, represents a key milestone for CyberEthics Lab. improving its capabilities to provide consultancy services in the context of 5G as well as to provide policy makers with detailed documentation of challenges and relative policy briefs.

For further details visit www.5gsolutionsproject.eu and contact eu-projects@cyberethicslab.com