Who we are

• Paris-based Research & Innovation Consultancy
• R&D focus: law, ethics and new technologies
• Former INTERPOL and UN professionals
• Evaluators, Reviewers & Ethics Experts for the EU Commission
Combating Cybercrime

- Why don't cybercrime victims report cybercrimes to law enforcement?
- Why private companies need to partner in the fight against cybercrime?
- The Importance of Strong Public-Private Partnerships in the Fight Against Cybercrime
Striking a balance
Why businesses don't report cybercrimes to law enforcement
Increasing reporting of cybercrime

- What's the point?
- The incident does not justify the time and expense of getting law enforcement involved
- Bad reputation
COMBATING CYBERCRIME

Why private companies need to partner in the fight against cybercrime?
Managing cybercrime-related risks

• How can we improve businesses’ reporting of cyberattacks?
• The benefit to report cybercrime to LEAs
• The LEA should be seen as a resource
• Information sharing is a traditional remedy to counter and mitigate cybersecurity risks.
• The challenges for law enforcement in fighting cybercrime
PPPs

Strong public-private partnerships play an important role because they promote the cooperation between private entities and LEAs and facilitate the reporting of cybercrime to relevant authorities.
Enhancing cybersecurity, improving cooperation and the reporting of cyberattacks in the EU

One of its initiators, Privanova is currently part of the CYBERSPACE project: a multidisciplinary R&D project ran by an international consortium of partners and funded by the EU as part of the Internal Security Fund Police Work Programme.

CYBERSPACE will enhance the detection of hacks and attacks and improve cooperation between LEAs and between LEAs and the private sector in accordance with the EU Cybersecurity Strategy.

The project will stimulate stakeholders to report such attacks to their LEAs and CERTs.
Understanding the drivers of cybercriminality, and new methods to prevent, investigate and mitigate cybercriminal behaviour

Privanova has two main roles in CC-DRIVER. Firstly, we focus on the Privacy, Data Protection and Ethics Compliance. Secondly, we leverage our experience and network of Law Enforcement Experts. We lead the CC-DRIVER’s Stakeholders’ Advisory Board.

CC-DRIVER combines psychology, criminology, anthropology, neurobiology and cyberpsychology to investigate, identify, understand and explain drivers of new forms of criminality.

Focused on human factors that determine criminal behaviours such as cyber juvenile delinquency and adolescent hacking, CC- DRIVER benefits from the direct involvement of several Law Enforcement Agencies.
Identifying, analysing and solving Illicit Money Flows

Privanova leads Stakeholder engagement efforts and manages Law Enforcement participation for TRACE, an EU-funded, cybercrime project addressing the illicit financial flows.

Detecting and tracing hidden, illicit money flows are notoriously difficult, as organised crime networks operate on a global scale and use legal loopholes as well as technical innovations to protect their activities. TRACE addresses these challenges by improving investigation tools and systems in terms of their quality and speed, co-developed with LEAs, responding to traditional and emerging forms of organised crime, money laundering and terrorist financing.
AI4HealthSec

A Dynamic and Self-Organized Artificial Swarm Intelligence Solution for Security and Privacy Threats in Healthcare ICT Infrastructures

Privanova leads all compliance aspects of the project: Privacy, Data Protection and Research Ethics. We guide the consortium partners, help them implement the data protection principles and respect the EC’s ethics requirements. This covers all phases of the project: from requirements analysis and research to pilots, trials and testing.

AI4HealthSec develops an artificial swarm intelligence solution for the detection and analysis of cyber-attacks and threats to healthcare information infrastructures. It aims to increase the knowledge of current cybersecurity and privacy risks within the digital healthcare ecosystem and among the involved operators, and fosters the exchange of reliable and trusted incident-related information.
IoT-NGIN

Next Generation IoT as part of Next Generation Internet

Privanova is responsible for the privacy, data protection and ethics compliance of IoT-NGIN. Besides managing Ethics Requirements, we assist consortium partners in understanding and implementing the EU Ethics Appraisal Scheme. Privanova also plays the role of a Data Protection Officer for the project.

IoT-NGIN aims to create sustainable innovation towards next-generation internet by introducing key technologies such as blockchains/inter-DLTs traceability, Machine to Machine and 5G Machine Cloud Machine communications, AI and secure cloud at “things” level so that it will be able to interact in an open and (semi-) autonomous way with any existing and forthcoming “thing” or IoT platform.
MARVEL

A Dynamic and Self-Organized Artificial Swarm Intelligence Solution for Security and Privacy Threats in Healthcare ICT Infrastructures

Privanova ensures the privacy, data protection and ethics compliance of the project. We help the consortium identify, analyse and implement the legal and ethical requirements. Our goal is to help the consortium implement the Privacy-by-Design by transposing the GDPR rules into actionable items our technical partners can understand and act upon. We provide a Data Protection Officer for the project and support the coordination of its risk management component.

MARVEL delivers a disruptive Edge-to-Fog-to-Cloud ubiquitous computing framework that enables multi-modal perception and intelligence for audio-visual scene recognition and event detection in a smart city environment. In other words, it uses big data technologies and extreme-scale analytics to capture the vibe of the city and provide insights and predictive capability of major outdoor events.
Certifying the Security and Resilience of Supply Chain Services

Privanova leads consortium efforts on privacy, data protection and ethics compliance. Our first task is to foresee the ethics issues related to the research and address them already at the pre-submission phase. During the research phase, we are involved in the analysis of legal and ethical requirements and manage overall compliance component of the project.

Our vision is to enhance the security, privacy, accountability, resilience and trustworthiness of supply chains through the provision of a novel, dynamic Conformity Assessment Process that evaluates the security and resilience of supply chain services, the interconnected IT infrastructure and the individual devices that support their operations.
Empowering families and integrating community CARE services for the prevention and management of type 2 diabetes and hypertension

Privanova leads legal and ethics compliance work package for DigiCare4You – an interdisciplinary project delivering digital tools for early screening, prevention and management of type 2 diabetes and hypertension.

More than 10 000 families will be targeted in two middle-income and two high-income countries. Schools will be an entry point to the community. While existing procedures for children’s periodic growth assessment (conducted via school nurses or in collaboration with local community health centres) will be improved, parents and caregivers will be screened via a non-invasive self-reported digital tool.
FACILITATE

Framework for clinical trial participants data reutilisation for a fully transparent and ethical ecosystem

Privanova leads the WP7 on Business exploitation and sustainability. We guide the project partners and help them define the FACILITATE business plan in terms of use cases, potential, benefits, strategy requirements and associated options ensuring patients’ empowerment.

FACILITATE reimagines the dynamics of medical data processing by giving the data subjects transparency and control over the utilisation of their data while granting reliable material for medical innovation. Its strategy represents a unique, innovative opportunity for medicines drug development and regulation to better understand the clinics of diseases, and to evaluate the effectiveness of products in the healthcare system.
Powerful Lawful Interception, Investigation, and Intelligence

Privanova uses its methodology to elaborate a comprehensive Data Management Plan for the project clarifying what data will be collected, processed and/or generated, which methodology and standards will be applied, whether data will be shared and what legal, organisational and technical measures will be used to ensure its security and to safeguard the rights of individuals.

POLIICE vision is to advance European LEAs to a novel lawful-interception (LI), investigation and intelligence era in which they will be able to effectively prevent, detect and investigate crime and terrorism amid the new age of communication (5G&Beyond, end-to-end encrypted communication and Quantum based encryption). These new age technologies turn legacy LI solutions to totally ineffective and therefore put significant risk on Europe’s fight against crime and terrorism.
THANK YOU