



 **PRIPARE**

PReparing Industry to **PR**ivacy-by-design by
supporting its **AP**plication in **RE**search

Recommendations

Fanny Coudert, Antonio Kung,
Carmela Troncoso, Pagona Tsormpatzoudi





Research projects

- PIA should be systematic
 - It should be integrated from the start
 - tracing decision-making process
 - educating technology developers
 - Require privacy expertise in consortiums
 - lawyers and engineers should be encouraged to work together, not next to each others. (eg map technical mitigation measures with legal requirements + justification of choices)
- Encourage focus on anonymisation/data minimisation, not data management
 - Use of PETs
 - Takes into account impact on architecture
 - Means for evaluating minimisation/anonymization



Research programmes

- **Ecosystem of PETS**
 - Usable implementation of PETS (TRL9)
 - Move from “gradware” to building blocks
 - Composability of PETS
 - Encourage the development of an ICT community for PETS
- **Privacy Evaluation framework**
 - Means to evaluate privacy not well understood
- **Evolution of Systems**
 - PbD of subsystems
 - Modifiability of systems (e.g. architectures)
- **Privacy engineering**
 - Integrate risk and design
 - Integrate current disjoint tools



Policy

- Specify what the principle of PbD entails as obligation
 - Content
 - Scope
- More systematic use of co-regulation to regulate socially harmful practices
 - Regulation draws the line. E.g. web tracking and cookies.
 - Co-regulation fosters its effective implementation (e.g. RFID, DNT)
- Public sector should lead the way: EU public procurement
- Education support
 - User level: what to expect and what to demand
 - Engineer level: how to embed privacy in ICT systems
 - Manager and policy level: what to ask from engineers to please users