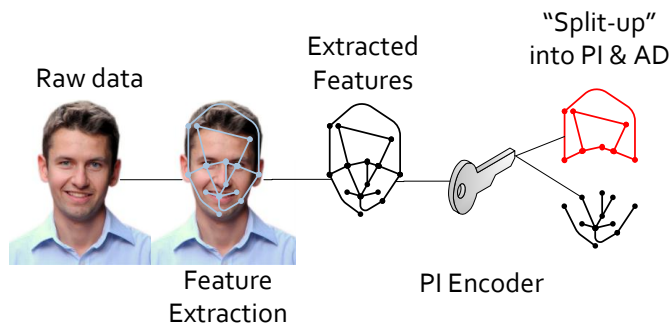


Two-offices principle: privacy protecting video analysis

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- Face recognition of child victims and offenders
- Technical concept: pseudoidentifiers for two-offices principle



- Method for Privacy by Design of new security technologies
- Structure: 20 mins presentation and discussion
 - Privacy by Design
 - Two-offices principle
 - Privacy “requirements”
 - Contribution of the method

Unresolved issues related to Privacy by Design

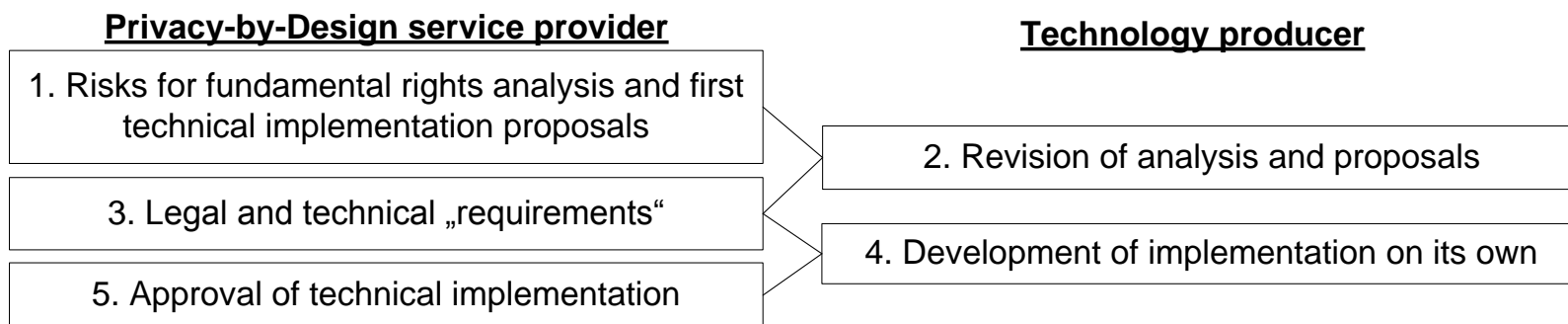
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- **Privacy issues with data processing instruments for crime control**
 - Police data protection framework does not implement Privacy by Design
 - Some member states have not transposed directive on data retention
- **New data protection rules (COM(2012) 11) provide for PbD standards**
 - Society: implement technical standardisation of Privacy by Design
 - Industry: set standards high for better market position of EU enterprises
- **Industry identifies privacy issues of security technologies (COM(2012) 417)**
 - Clients: forced to purchase a product which does not entirely fulfil needs
 - Industry: wasted investment in technologies not accepted by the public
 - Society: implement Privacy by Design & introduce certification / quality seal
- **Need for methodical guidance for Privacy-by-Design**
 - RFID PIA Framework (C(2009) 3200) does not address technology producers
 - Self-regulation for OBA does not achieve legal goals

First proposal of a Privacy-by-Design method

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- **Inspired by an integration research project funded by BMBF**
- **Basic properties of the method**
 - Developing privacy protecting technical concept for each technology
 - Law cannot be directly implemented like computer-based requirements
 - Bridging-approach for close cooperation lawyers/engineers

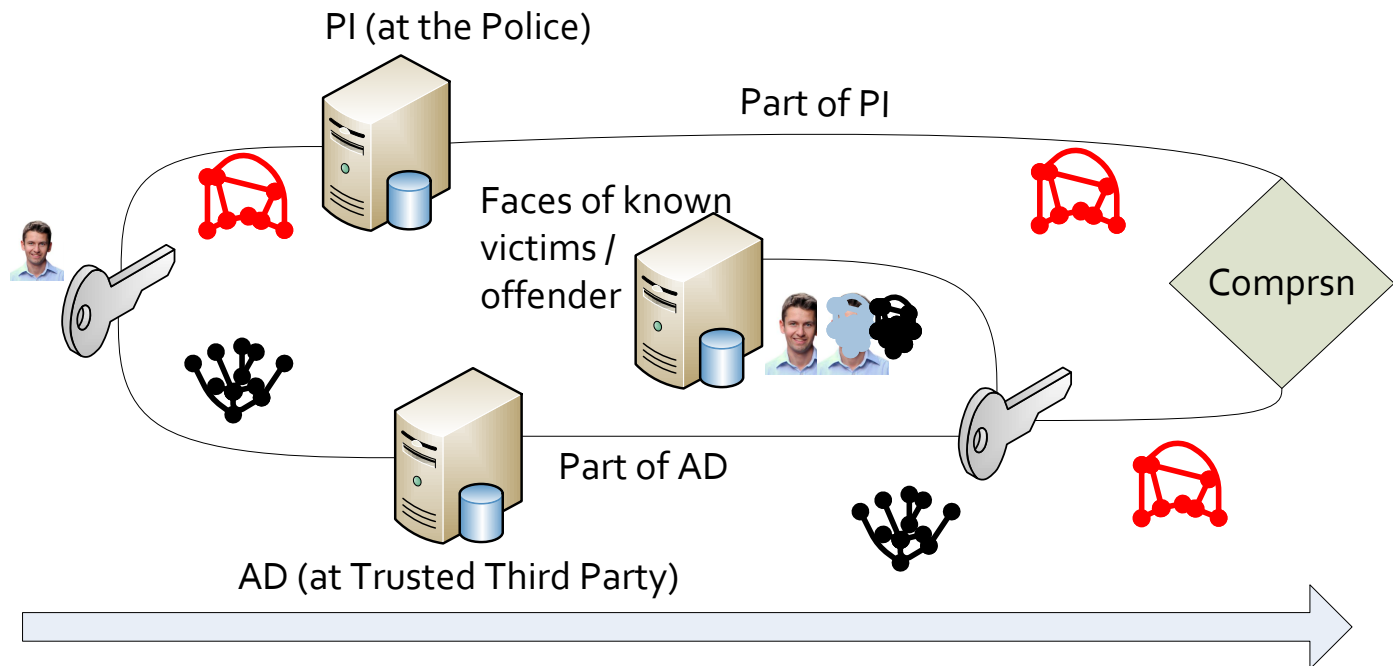
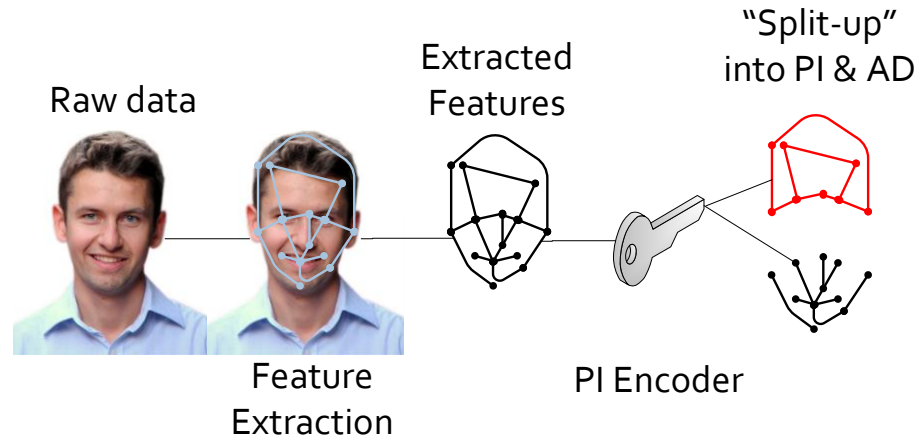


- **Elements of the method**
 - Creation of pseudoidentifiers
 - Decentralization of databases
 - Division into graded data capture

"Two-offices principle" for video analysis 1/2

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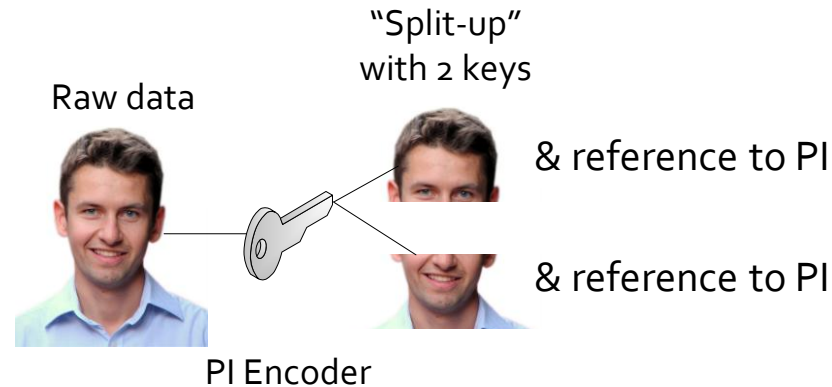
Two-offices principle for the identification phase



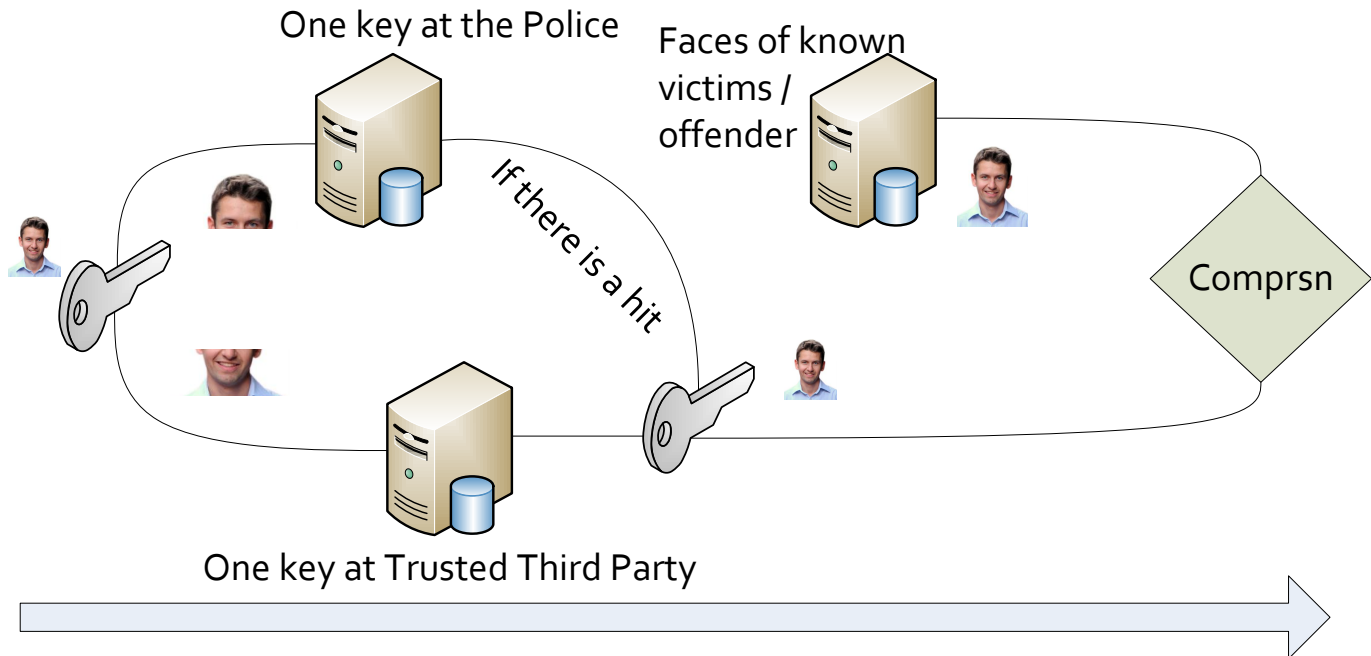
"Two-offices principle" for video analysis 2/2

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**Two-offices principle
for the court evidence
phase**
Extracted data not
accepted as full
evidence in the near
future



**In case of an
identification
("hit")**



Privacy “requirements” for video analysis 1/3

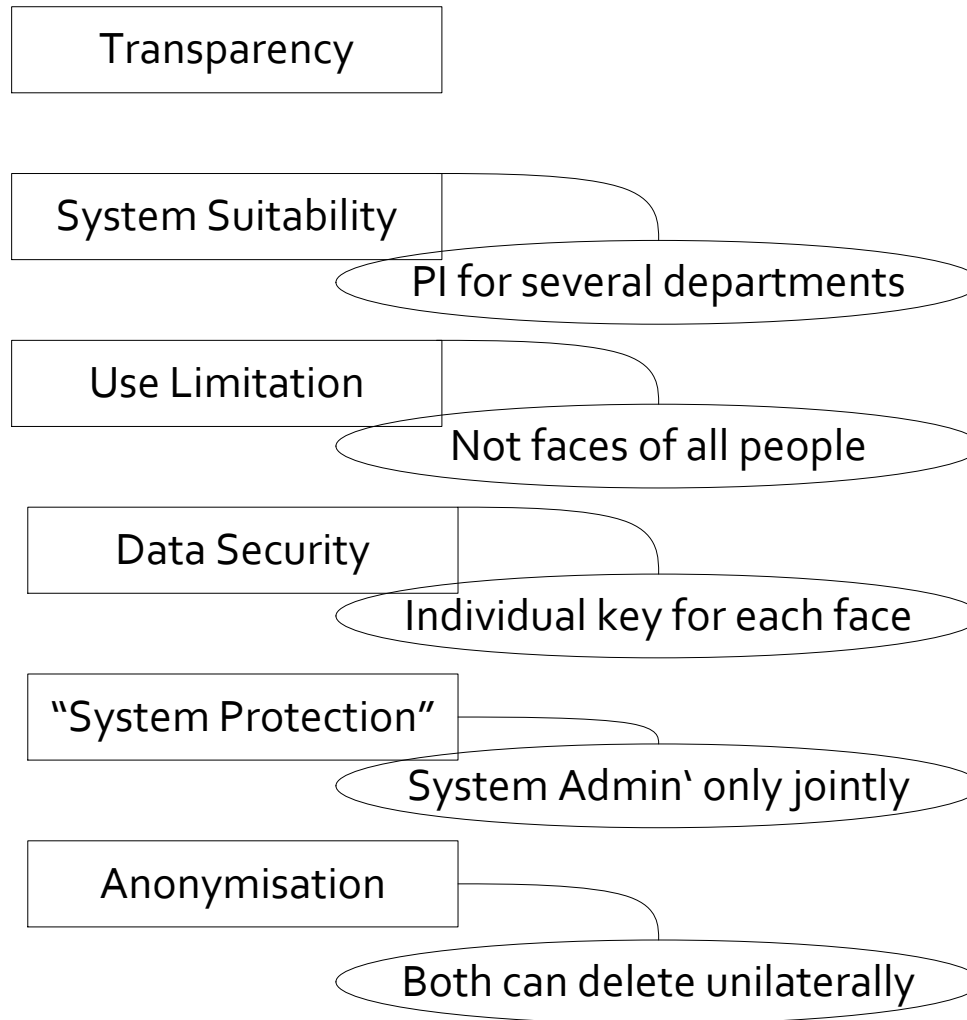
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- Transparency
- System suitability
- Use limitation
- Data security
- “System protection”
- Data minimisation
- “Accountability”
- Uniform Identifiers
- False hits
- Sensitive data
- Distinction non-/suspects & facts/assumptions
- “High Scatter”
- Instant erasure
- Indiscriminate data collection

Privacy “requirements” for video analysis 2/3

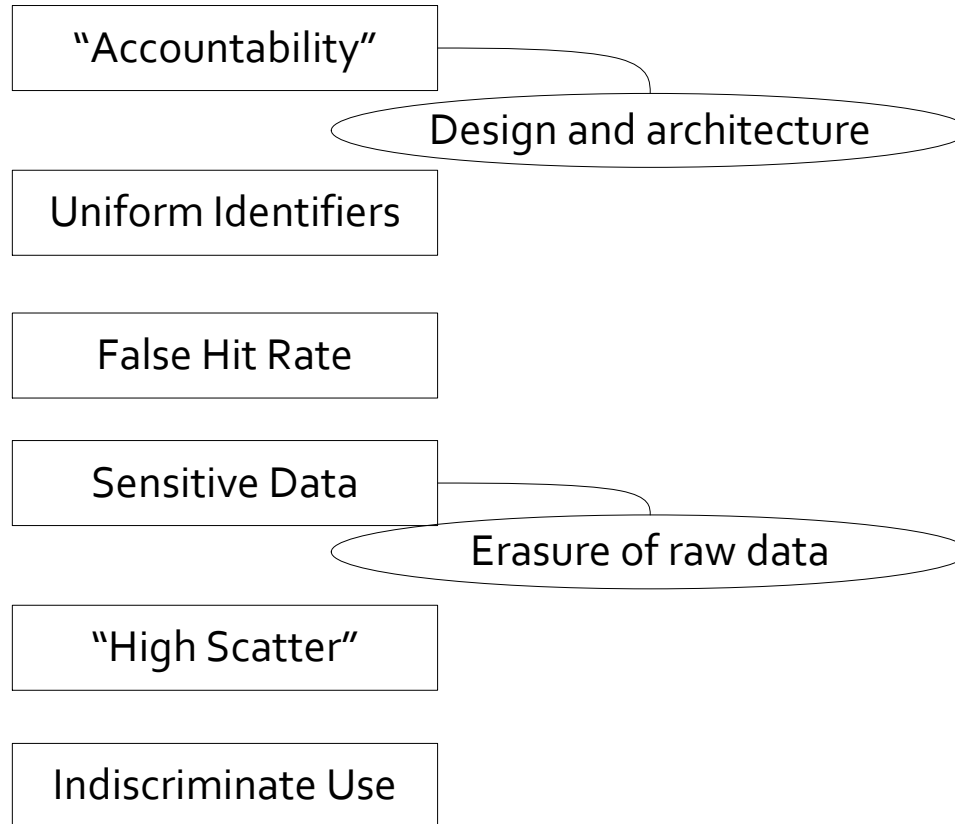
Two-offices
principle
promotes
the privacy
“requirements”



Privacy “requirements” for video analysis 3/3

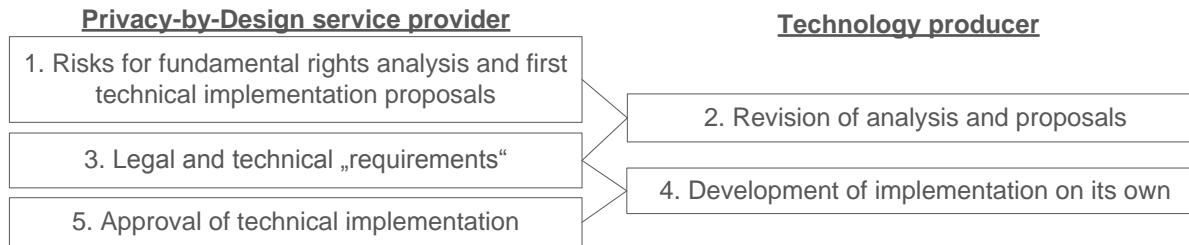
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**Two-offices
principle
promotes
the privacy
“requirements”**



Core contribution of the method

- **Focus not on result but on the process of technical and legal cooperation**
 - Development of legal and technical “requirements”
 - Specific implementation



- **Main advances compared to the state of the art**
 - Lawyers and engineers consider each other’s feedback in iterative steps
 - Developers create technical conditions for compliance with legal provisions
 - Clients have the flexibility to set options appropriate to their individual case
 - Design requirements correctly balance citizens’ and producers’ freedoms
 - Products and services can be standardised and certified

Recommended actions for policymaking

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- **Not only focus on technology operators but also technology producers**
- **Implement two-offices principle in new surveillance technologies**
- **Develop Privacy-by-Design method**
- **Seek recognition by European data protection authorities (WP29)**
- **Discussion ...**