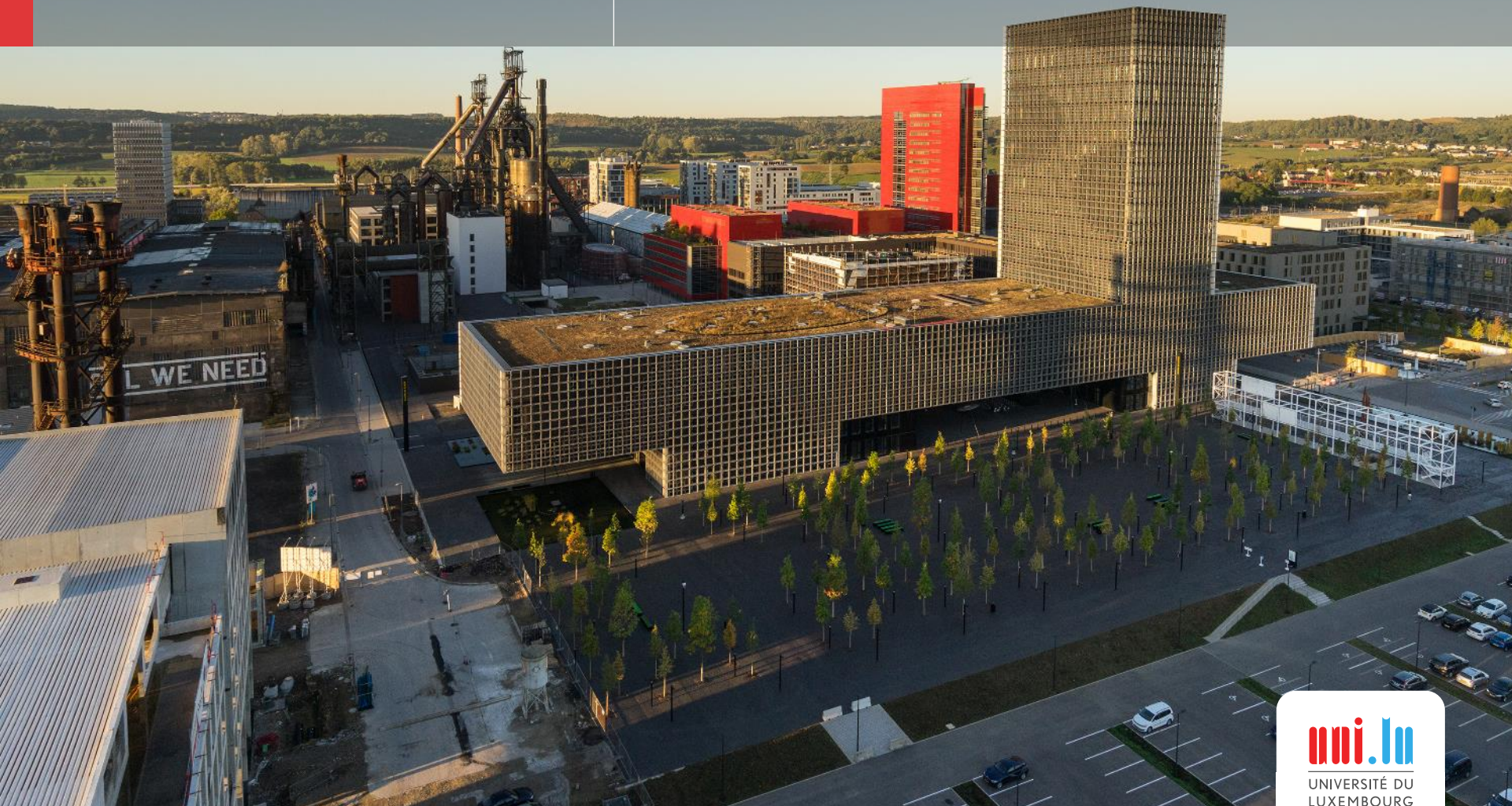


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GDPR, Information Security and Research

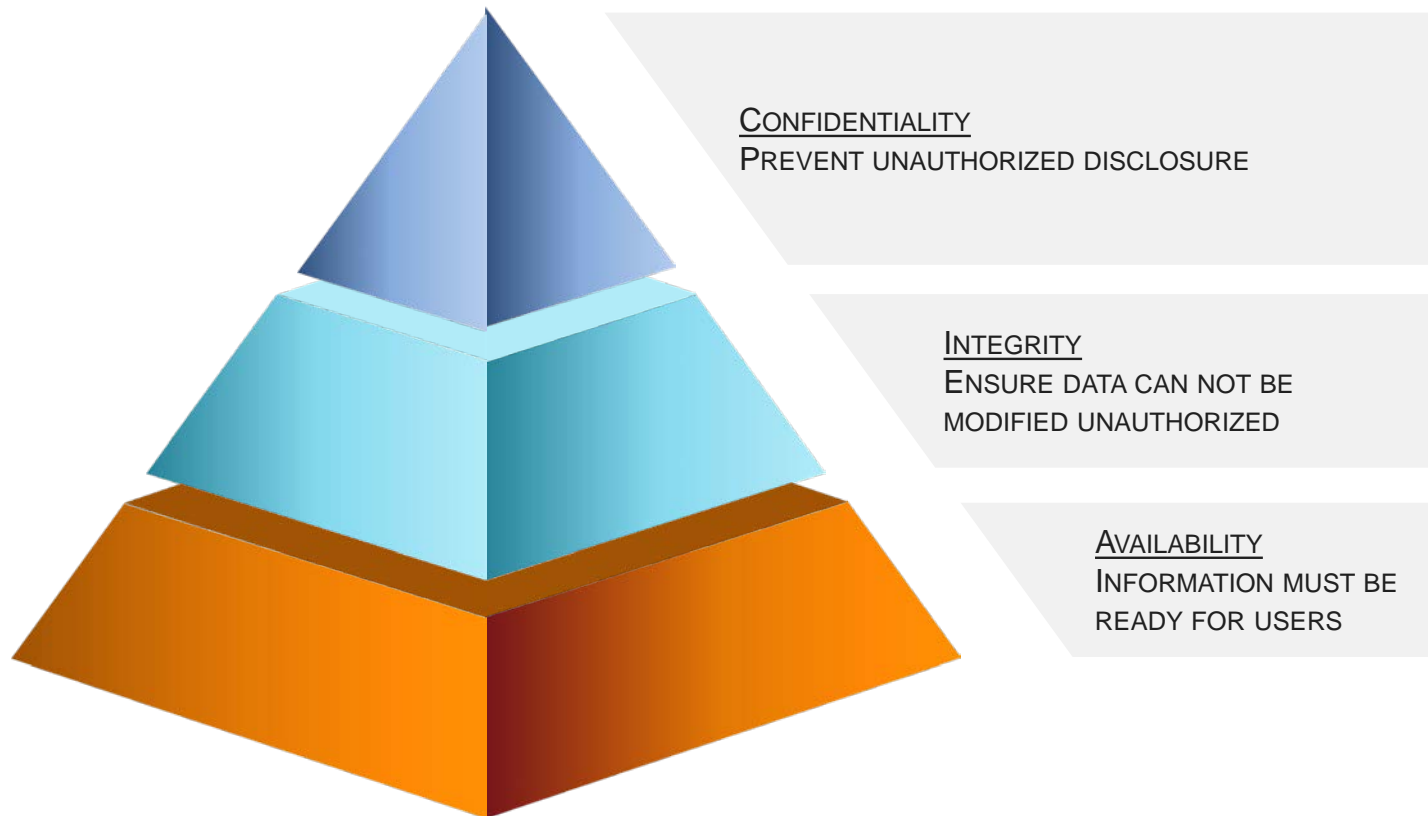
Christian Hutter, Chief Information Security Officer, Uni.lu



- Information Security
- Information Security & GDPR
- Research Systems and Privacy by Design
- Collaboration and information sharing
- General Advice



- Protect the Information: 3 principles



## What has information security to do with GDPR?

- Article 25(1) requires an organization to implement data protection principles, such as data minimization, to **safeguard data** and protect the rights of individuals, technically known as “data subjects.”
- Article 28: An outsourcer (data processor) **must have technical and organizational controls in place to ensure data is protected and documentation to prove compliance.**
- Article 32 requires an organization to **implement technical measures to ensure data security.** Use best practice
- Use e.g. ISO 27001 ideas and concepts



- System Design

- What to put where

- Network design
    - Application design

- **Ask the specialists!**

- Secure configuration

- **Update management**

- Malware protection

- **Privilege management**

- Secure Operations

- Security patches

- Backups

- **Monitoring**

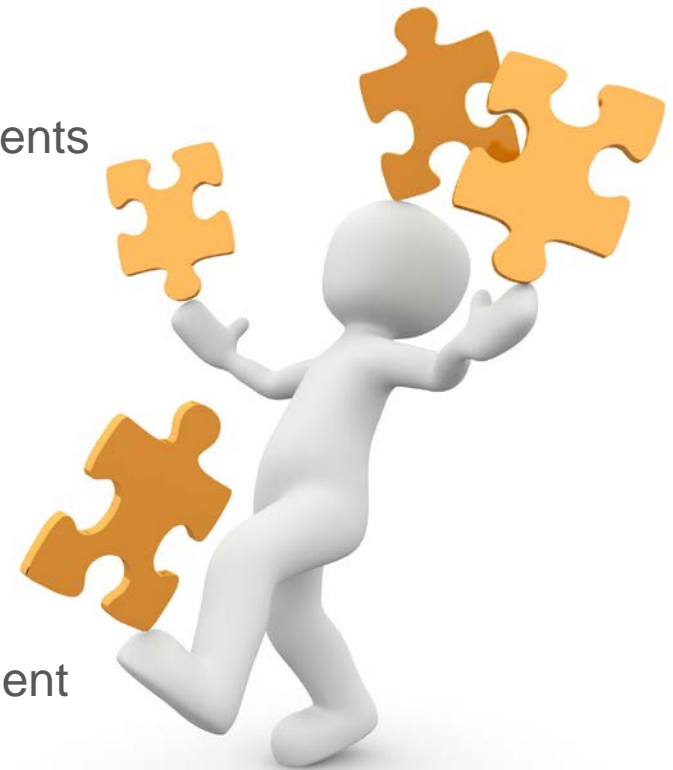
- Incident Management



- Share what is needed
  - Don't share all the data, only what is relevant
  - Anonymize data if possible
- Share in a secure way
  - Encryption
  - Approved tools



- Organizational
  - Make sure that you have an information security policy
  - Attend to Information Security Training
  - Appoint responsibilities for systems
  - Be ready to help with the investigations of incidents
- Practical
  - Make sure that you data is safely stored
    - RAID does not replace Backup
    - Encrypt portable devices  
(including USB sticks and external drives)
  - Make sure that you safely destroy data
  - Have procedures & tools for incident management
  - Check for old systems



- Questions?
- Remarks?





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