Privacy in the Cloud

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- Research part of a PAIP project, funded by the Paris-Saclay Idex, Institute for a Digital Society

- Interdisciplinary approach: Economics, Law and Computer Science
  Internship at the department, Simon Bouget ENS Rennes

The Services We Focus On:

**Automated services for remote storage
and/or synchronization between devices**

- Highly 'privacy-relevant' since personal data are stored remotely
- Aimed at the general public
  - Remember the privacy paradox: people <u>say</u> they care about privacy, but <u>act</u> as if they do not
  - Privacy charters are difficult to read (and are hardly read at all...)

- Goal: classification of cloud services, related to performance

Cloud services

- 50 services

    - *Digital giants*: Google, Microsoft, ...
    - *Leaders of the industry*: Dropbox, Box.com, ...
    - *Open-source projects*: Cozy, Sparkleshare, ...

Two steps…

- Working tools: *Terms of use* and *Privacy terms* of the cloud services' websites

- Two steps:
  1. Defining the classification grid
  2. Relating the variables of interest to measure of performance or other topic

Classification grid

- The reading grid includes the following variables:
  - *Intellectual property*: Is information about I.P. included?
  - *Usage permission*: The clarity of the usage permission
  - *Data access*: Who have access to the data?
  - *Data diffusion*: To whom the data is disseminated?
  - *Data backup*: Is the data retention period indicated?
  - *Warranty*: Information about the warranty's degree
  - *Liability*: The degree of liability regarding the services' content
  - *Cookies*: Is there information about the existence of cookies?

Classification grid: technical part
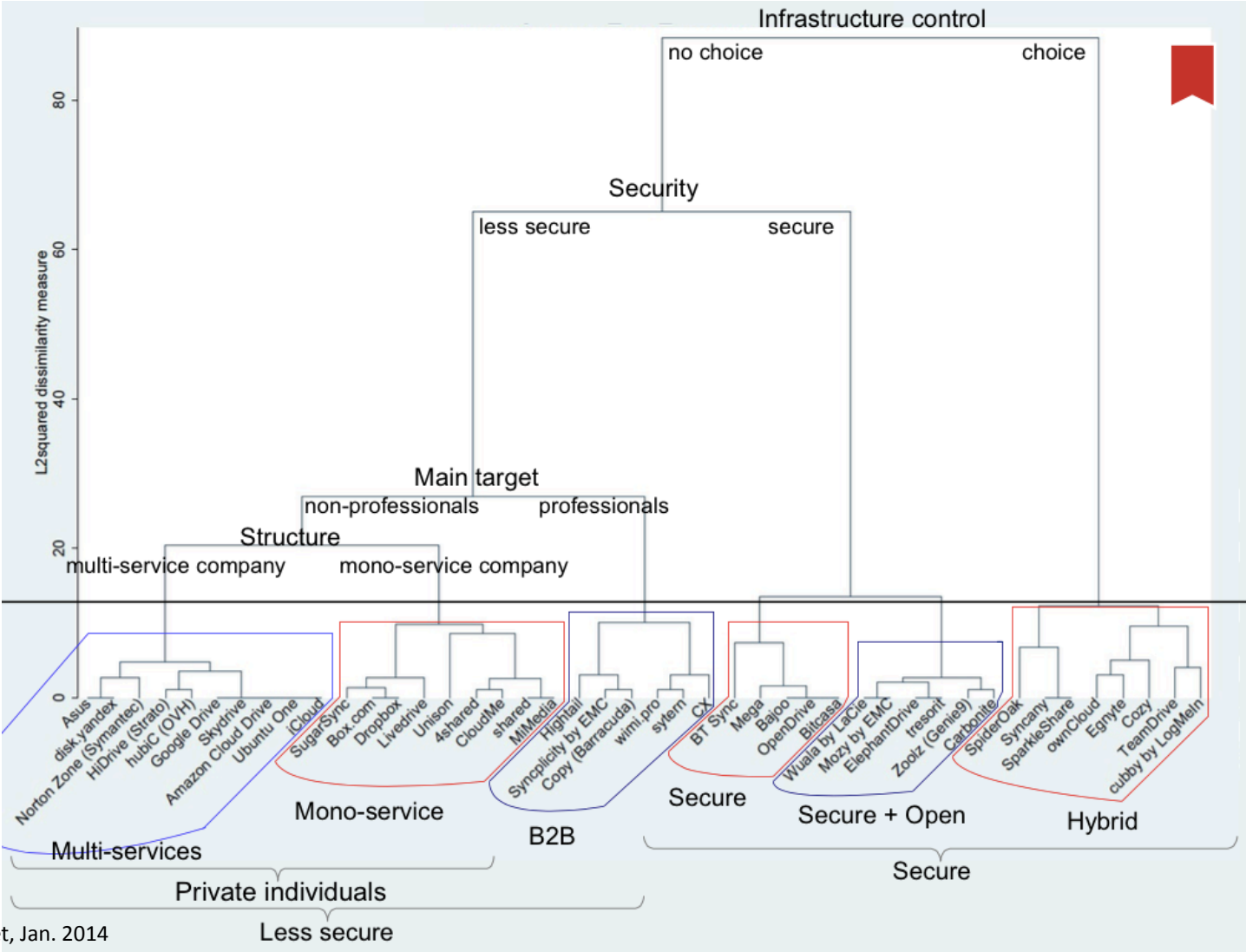
The aim of this classification effort

- Giving a better understanding of the Privacy settings of the cloud services

- Trying to provide a 'Privacy dictionnary' for cloud services' users