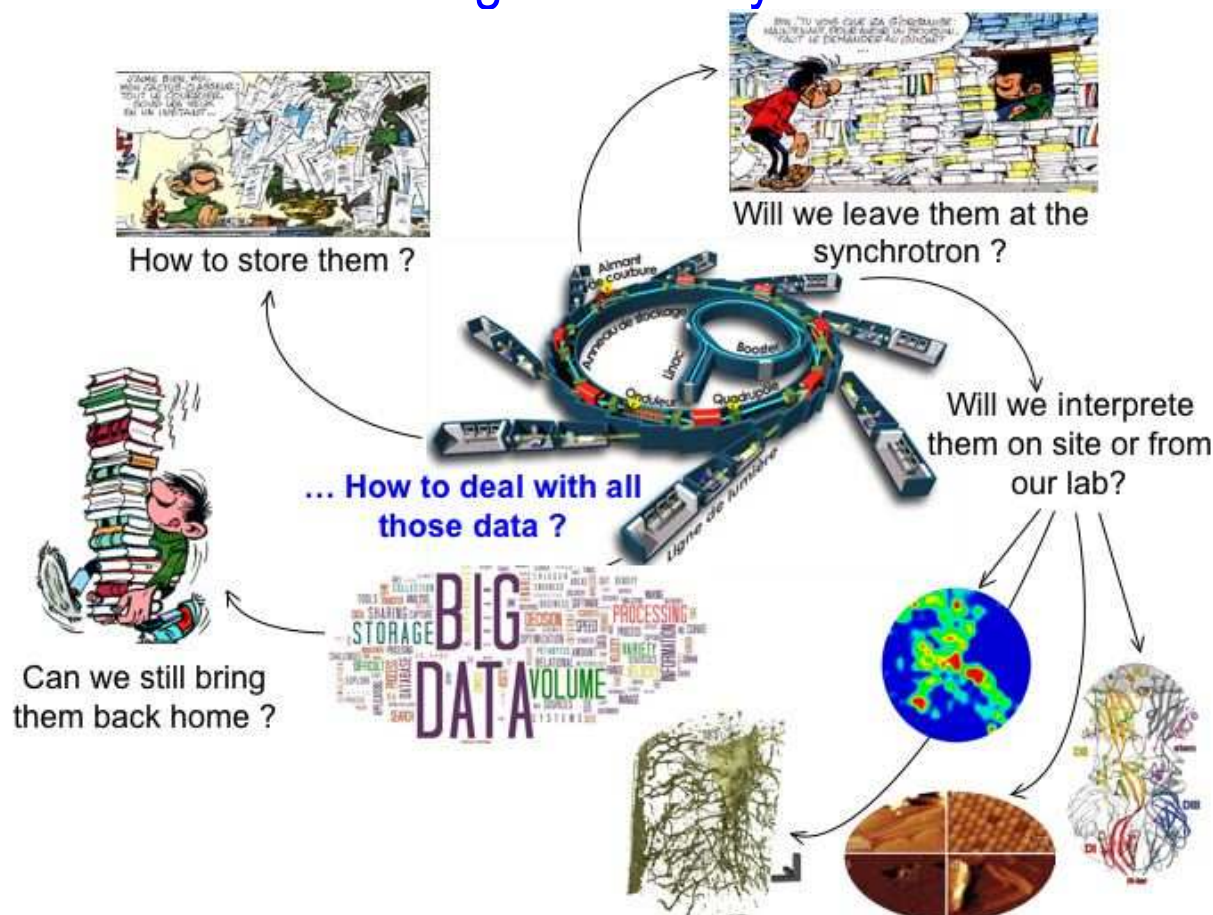


# Synchrotron data at SOLEIL: a workshop about storage and analysis



## Store, reduce, analyse, model ... what part should SOLEIL play?

In the context of a strong expansion of data volume produced at SOLEIL due to large detectors and time resolved measurements, this workshop aims to discuss the following questions:

### data storage

should raw data be stored and kept?

how can we bring them back home?

how should they be stored?

should synchrotrons be responsible for their storage? if yes, should there be a common storage for all synchrotron sources in Europe for example?

if the data is stored in a "cloud" system, what is the

ownership / legal status of the data?

### data processing/ analysis/ modelling

to what level do we expect synchrotrons to provide software and help (data processing, interpretation...)

### two talks will be given to trigger discussion

- a member of the Computing Services will talk about data storage and developments in the context of PANDATA and PANDAAS European projects;
- a beamline scientist will present his point of view.

Image credits

M. Dierolf et al. Nature 467, 436 (2010); Silly, M.G. et al, Carbon, 2014, 76: 27–39; Dessombs, A. et al PLOS One 2011; DuBois, R.M. et al, Nature 2013