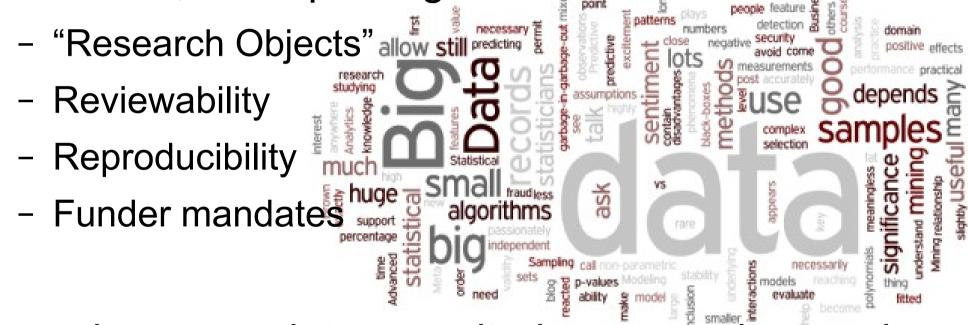
## Linked Web Data for Research Graham Klyne

#### My background:

- Industry software developer for many years (decades), applications including:
  - real-time process control, motion capture, computer aided design, networking for financial services
- Worked on IETF and W3C standards for email and web data; co-editor of RDF Concepts document
- Joined David Shotton's IBRG group in Zoology about 10 years ago to work on research data management (images and more) using Semantic Web/Linked Data ideas; now part-time with OeRC

### Populating data repositories

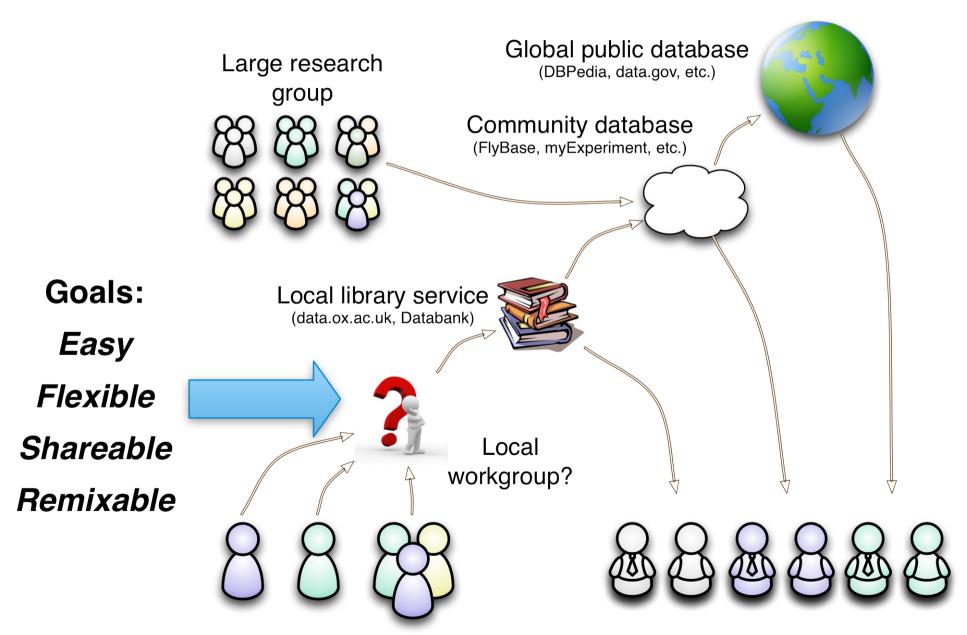
Data is increasingly seen as a first class product of research, underpinning trust in results



I perceive many data repositories are under-used

- so where will the data come from?

# Research data: the "first mile" A missing link?



### Annalist: Linked Data Notebook

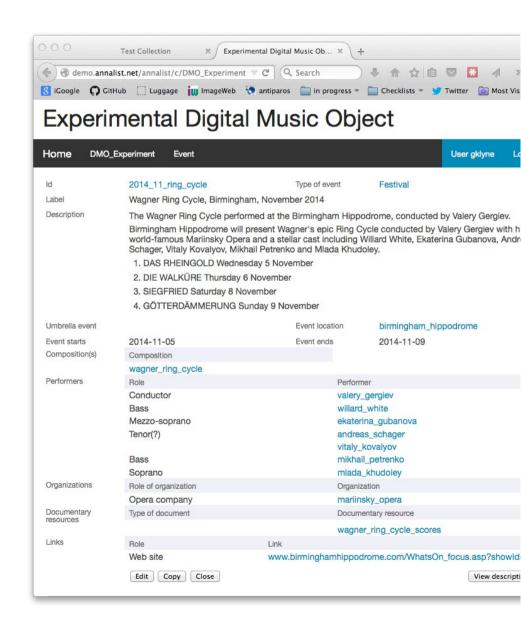
#### Work-in-progress

- Demo: http://annalist.net
- Code: https://github.com/gklyne/annalist

Target small groups and projects without dedicated software development capacity

Currently being used in an exploratory capacity with two projects

See also: ORDS – http://ords.ox.ac.uk



### Research Software Development A different model?

"Self patronage"

a semi-entrepreneurial model within academia

Funded by engagement with research projects

- currently 2 projects, each about 20% fte
- working directly with researchers
- less costly for projects than a full-time engineer

Tool development that survives any single project

- working across rather than within silos
- longer-term sustainability
- open development promotes sharing and re-use