

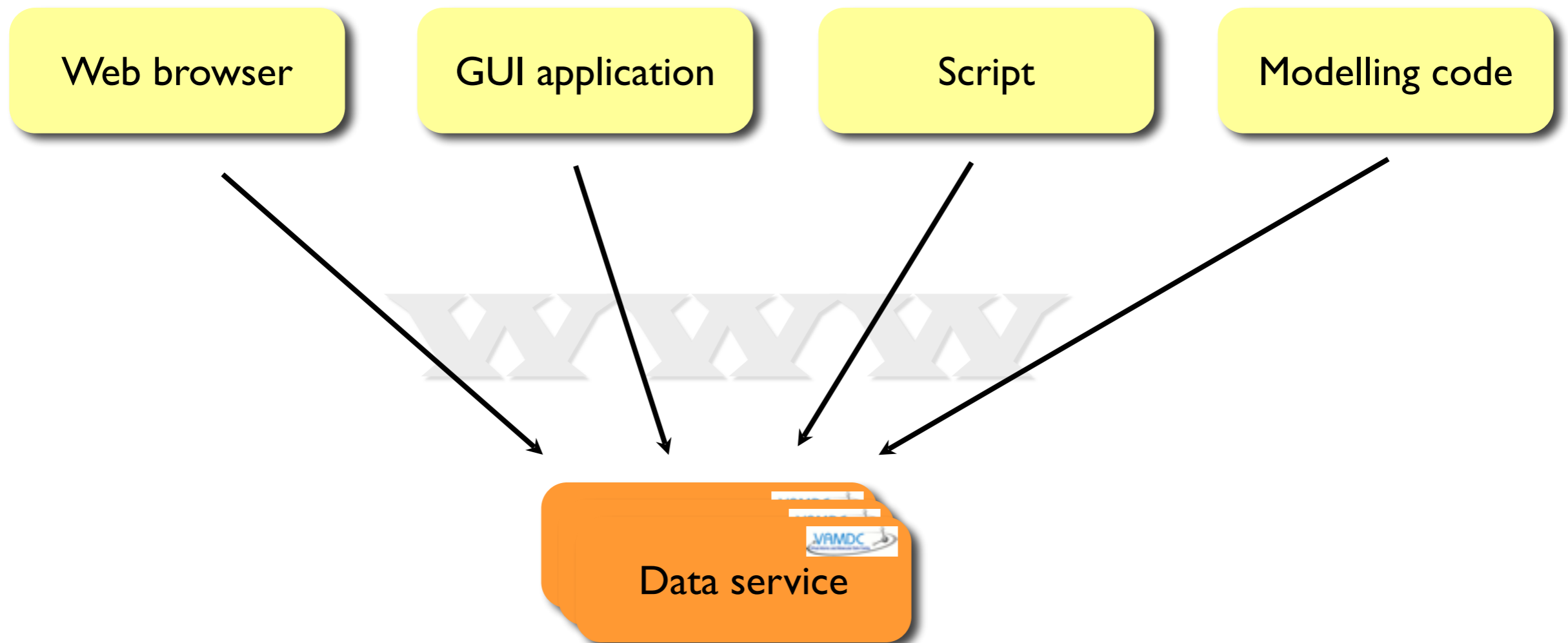
Adding data to VAMDC: technical aspects

Guy Rixon

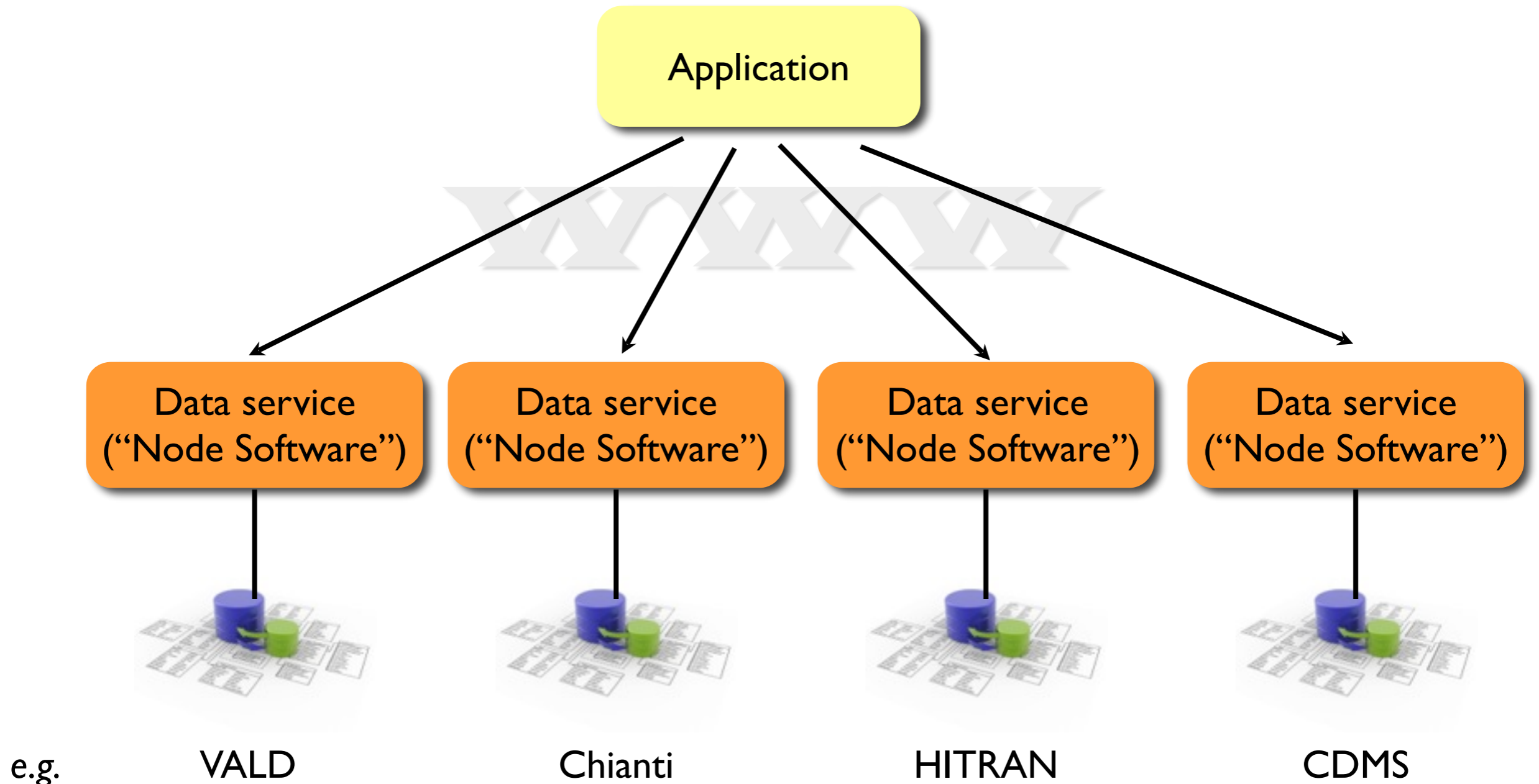
VAMDC-UK meeting, QUB, April 2015



Web-service network

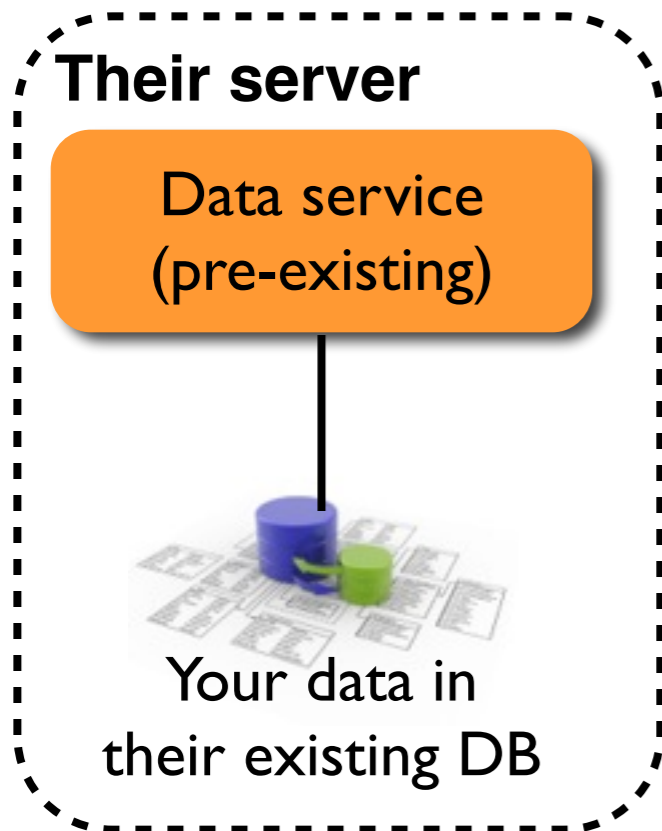


One service per DB

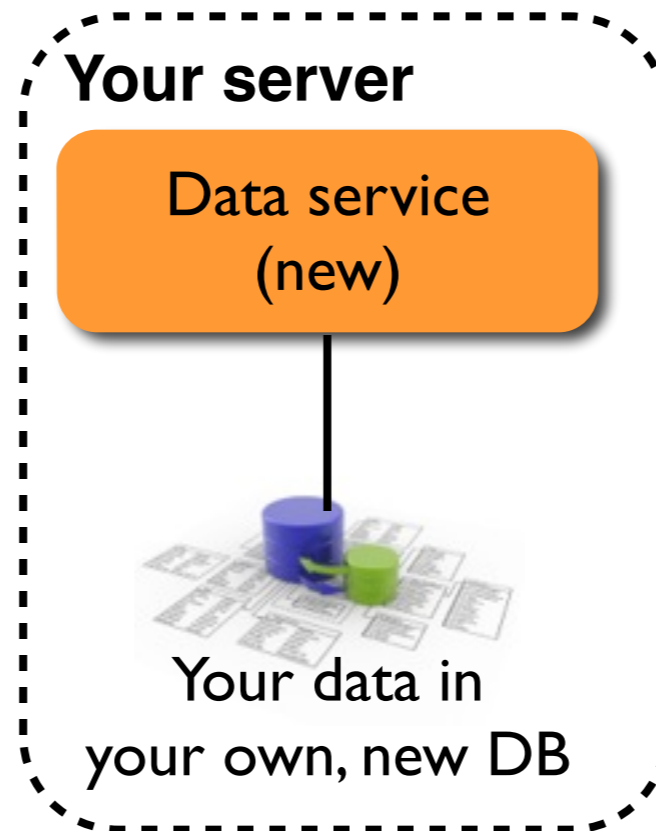


New data go into a node

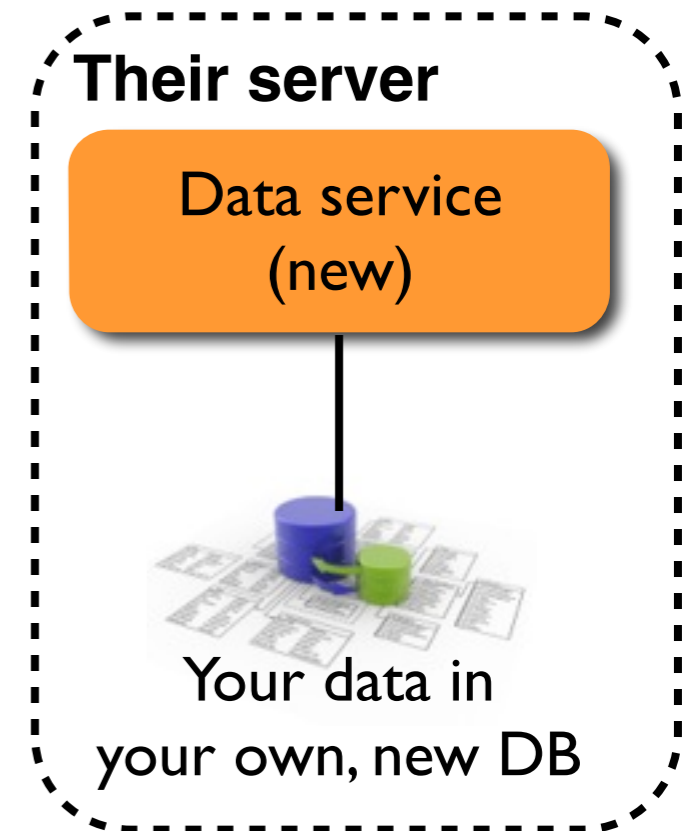
Three ways of doing this:



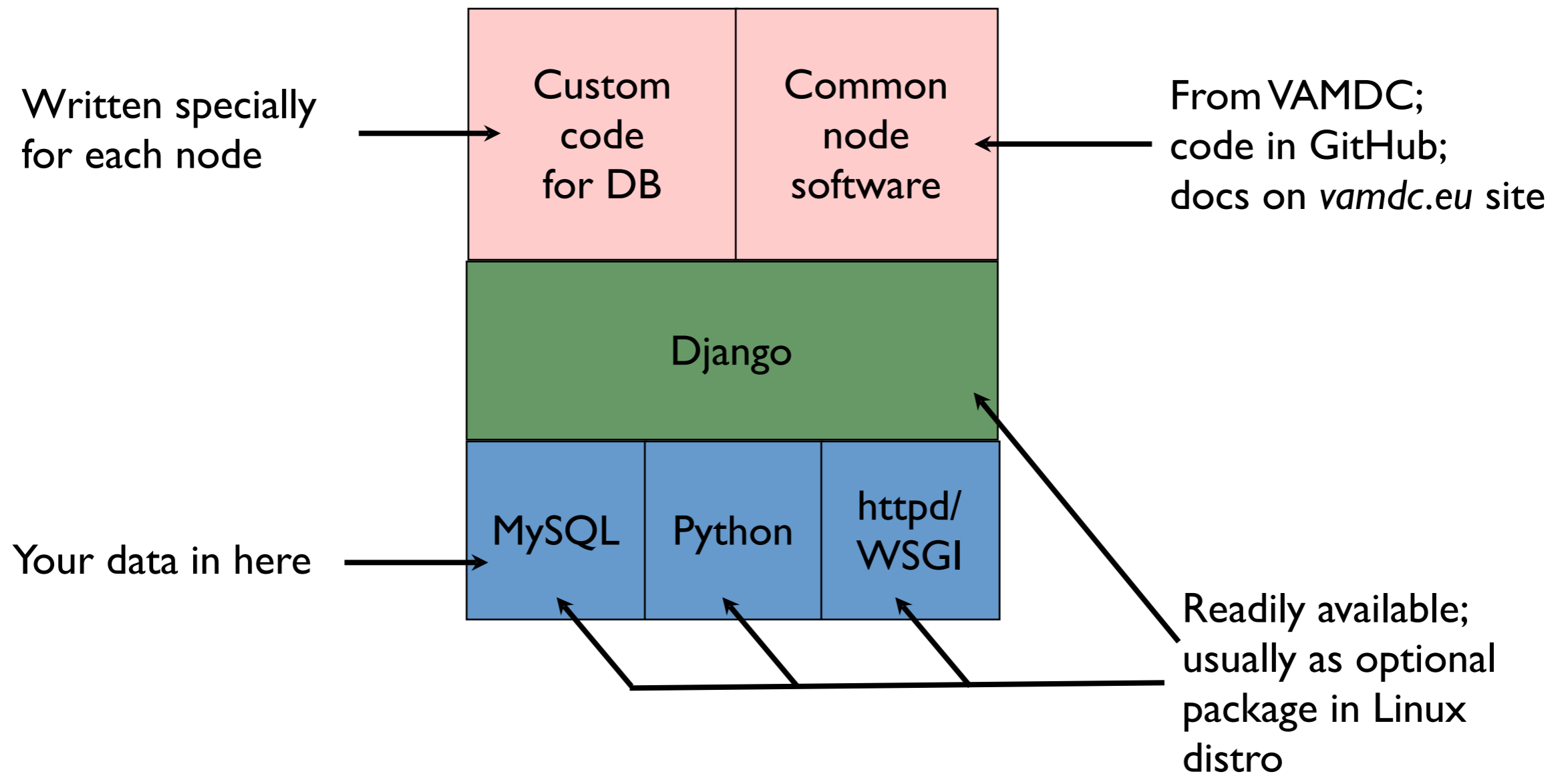
or



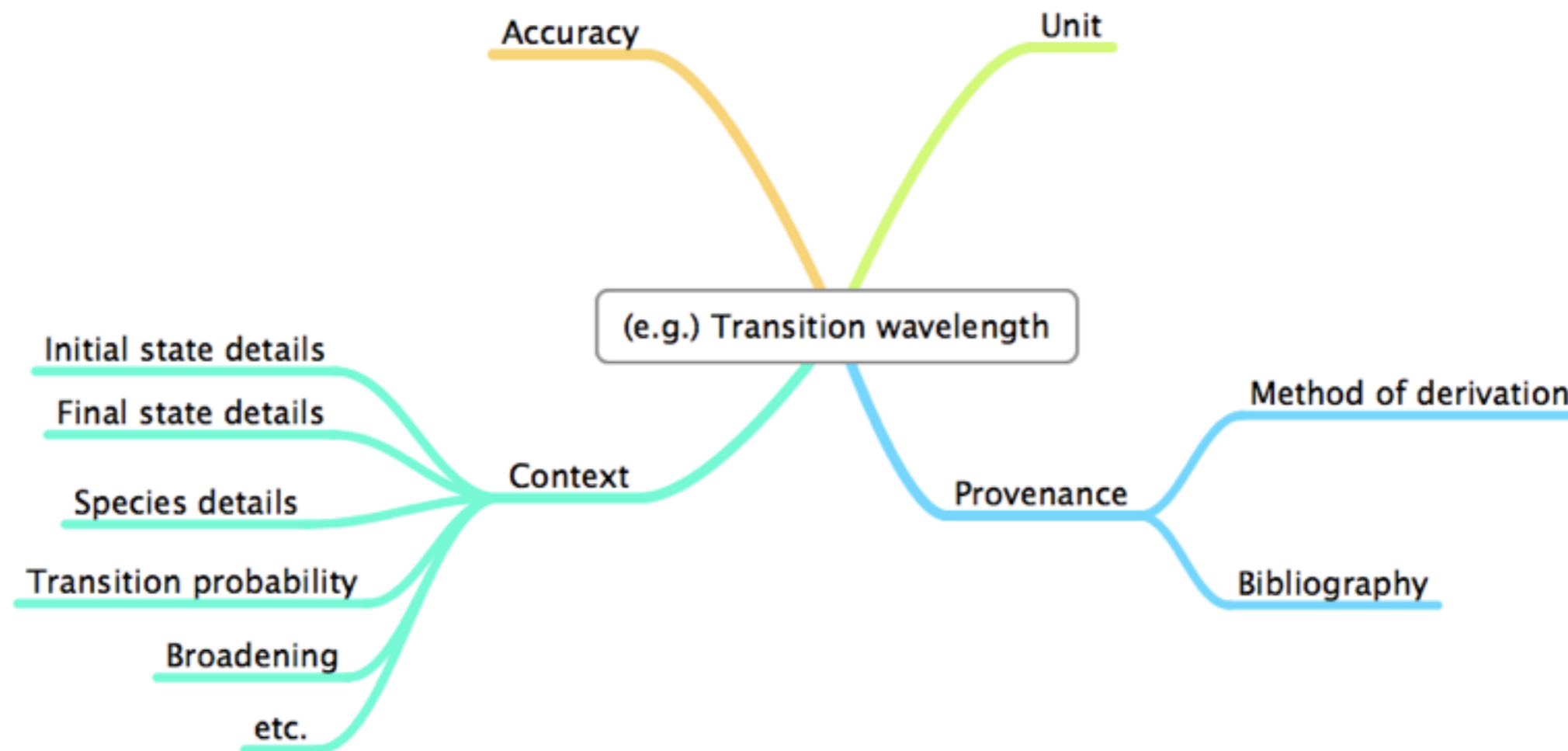
or



Inside a node



“Self describing data”



XML Schema for Atoms, Molecules and Solids (XSAMS)

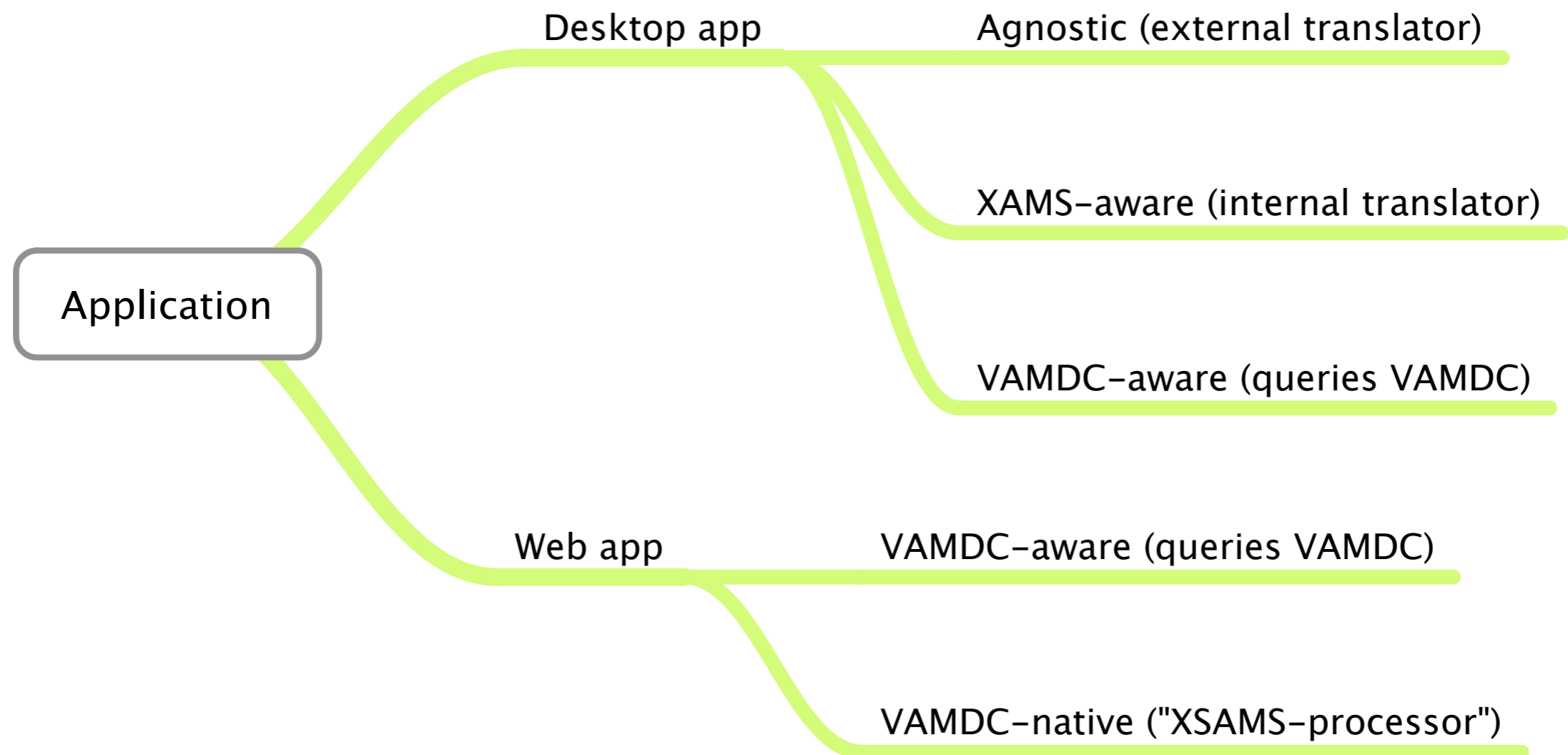
See <http://standards.vamdc.org/#data-model>

Comparing data

- There is overlap between databases: this is good!
- Opportunities:
 - *Combine* complementary data
 - *Compare* “equivalent” data
- Tools for comparison are part of current programme

Applications and VAMDC

Five ways to make the link (at least):



More information

- <http://vamdc.eu/> — VAMDC's home page
- <http://www.vamdc.org/activities/research/> — most relevant detail (linked from) here
- support@vamdc.eu — ask any question
- gtr@ast.cam.ac.uk — questions about new data-nodes