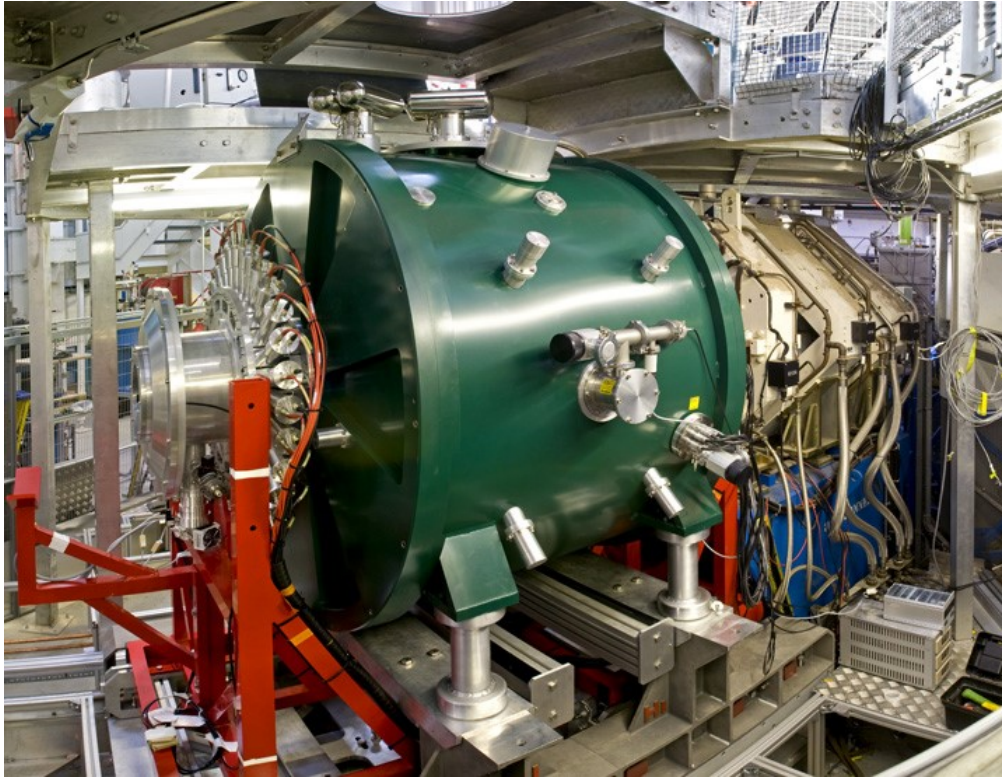


# ICAT at ISIS



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Science & Technology Facilities Council

ISIS



# Status

- ICAT 3.3 : production for 5+ years
- ICAT 4.3 : production - parallel
- ICAT Data server: production
- Authentication : Full user office plugin
- Large Rule set - (mostly) implements our data policy



# Review – Past Issues

- Rules system now supports most of what we need
- IDS reference implementation required only minor changes
- Investigation <-> Instrument change painful, but useful
- SampleType constraint changed
- TopCAT single sign on



# Current Issues

- Network reliability at RAL
  - Due to network topology ISIS staff see this as an ICAT problem
- Periodic server hangs
  - Not always sure why (memory, load, ?)
  - Multi node setup for balancing and reliability



# 1 year plan – Lund

- Go live with 4.2 / 4.3 / 4.4



- Mantid integration with 4.x



- Switch off 3.3



- Upload of processed data






- from Mantid



- From TopCAT



# <1 year Requirements - Lund

- Permissions control in TopCAT 
  - ICAT auth rules to support this 
- GUI tweaks to TopCAT 
- IDS reference implementation 
- Data upload from Mantid 



# 2014/15 plan

- Continue verification testing of 4.3
- Continue Mantid integration with 4.3
- Switch off 3.3
- -----
- New interfaces (see later presentation)
- ISIS 'Scientific Computing Strategy'





# Requirements

- See the roadmap (?)
- Further enhancements to rules
- GUI changes to TopCAT....maybe more
- Stability – **no *breaking*** changes
- Performance generally very good
  - Function of ingest server, database and network
  - Some rules can cause ‘slow’ queries



# Questions...

