Science & Technology Facilities Council

Research contextualization in facilities science

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euon european ontology network

1st EUON Workshop Amsterdam, 25th September 2014

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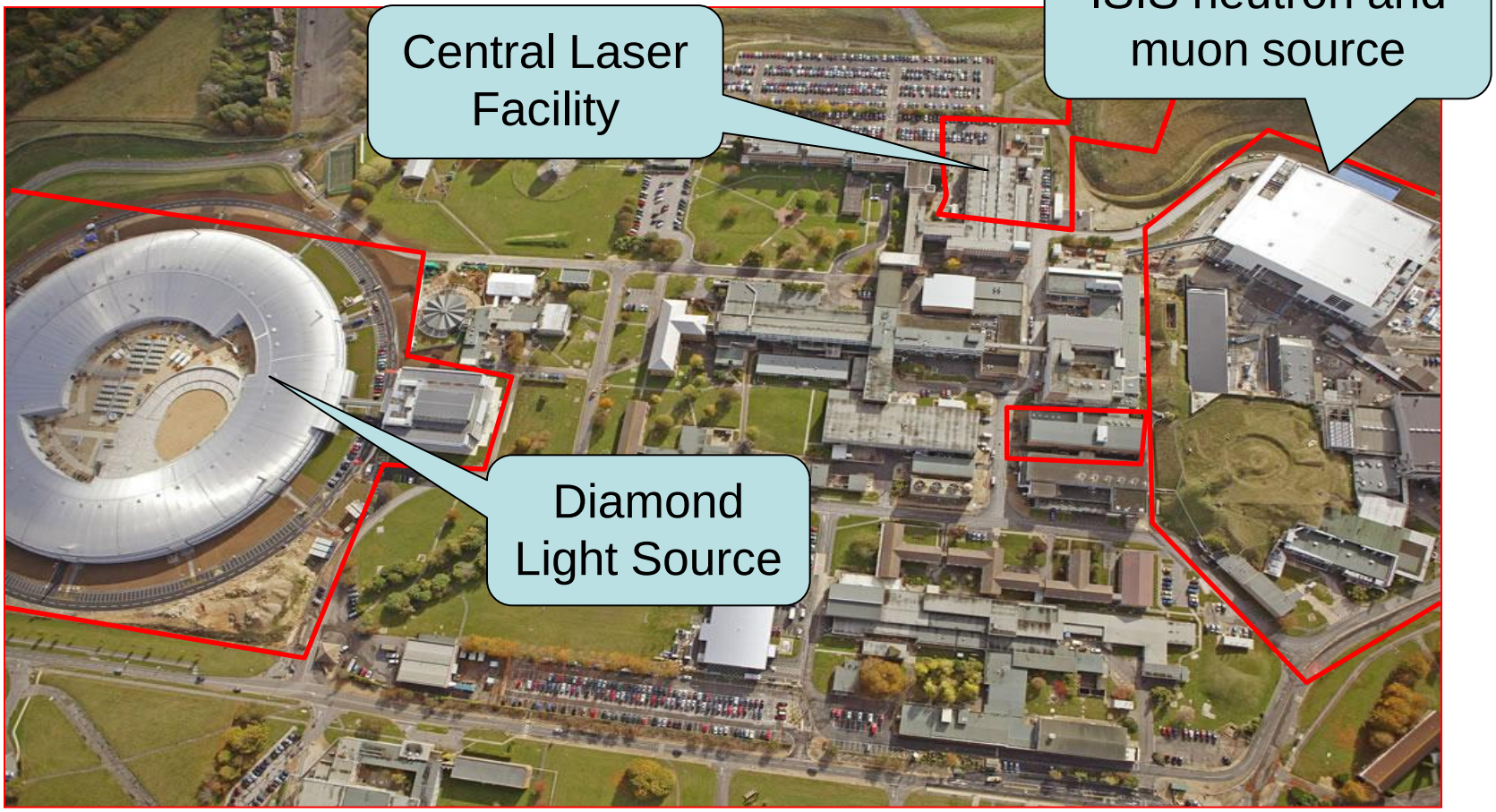
Big Facilities for Small Science



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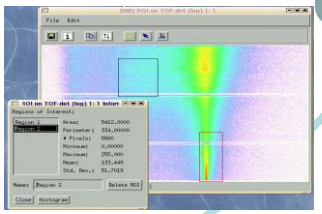
Facilities Research Lifecycle

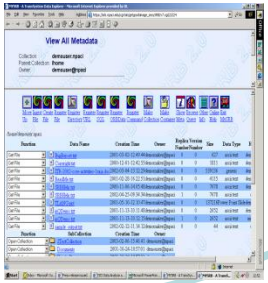
Proposal

Record Publication



Approval

Subsequent publication registered with facility



Scientist submits application for beamtime

Data analysis

Scheduling

Experiment

Data storage

Facility committee approves application

Facility registers, trains, and schedules scientist's visit

Scientists visits, facility run's experiment

Raw data filtered, and stored

Tools for processing made available

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How do you model Research Lifecycle?

- Elaborated ontology appealing to existing MD
- Focus on “research object”
- Semantic richness
- OWL
- Facilities science only

OR

- Lightweight model, a sort of “Dublin Core”
- Focus on “research activity”
- Semantic universality
- RDFS Plus
- Applicable elsewhere

Come along for poster session and have a discussion

Thank you!

Scientific Computing
Department

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