Experience of the ICAT API and Documentation
Agenda

1. ICAT API Experience
2. Documentation
3. Questions
ICAT API Experience

- C++ & gSOAP
- Very simple API
- Each call is (roughly) the same
  - One concrete example needed
- ICAT4 speed!
- Great return errors (IDS & ICAT)
Documentation

• Excellent IDS documentation
  – States what is required, and what is optional
• Query Examples
  – No complex example of JQPL

  SELECT DISTINCT inves
  FROM Investigation inves
     JOIN inves.investigationInstruments invInst
     JOIN invInst.instrument inst
     JOIN inves.keywords keywords
  WHERE inst.fullName = 'GEM'
  AND keywords.name IN ('solid')
  ORDER BY inves.id DESC
ICAT Scheme documentation
  – Investigation name
  – Is the investigation ID (this is not documented)

ICAT Client API documentation
  – Date format: Must be Y/M/D TIME (2011-12-15 00:00:00)
Questions?