

# 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

# Documentation

- 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
```

# Documentation

- 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?