

# Edelweiss Requirements and Experiences

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AARM Collaboration Meeting

Adam Cox - Karlsruhe Institute of Technology

22 June 2012



strong word

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# Experience

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- Pia Loaiza, Vitaly Kudryavstev have most experience with ILIAS (Integrated Large Infrastructure for Astroparticle Science)
  - <http://radiopurity.in2p3.fr/>
- Frequently asked questions related to database entries:
  - Who, What, When, Where, How?
  - History of material.
  - Discrepancies in measurements lead to many questions about the conditions of the measurements that were not recorded in the database.
- Database in MySQL.
  - wasn't easily extensible
  - no database expert in charge.

# Requirements

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- None for Edelweiss
- Edelweiss 3 already designed - no use of AARM database
- EURECA under design - Conceptual Design Report
  - sooner implementation of database is helpful for technical design
- No legal issues, international agreements, requirements regarding location of data that I am aware of.
- Inclusion of ILIAS data contributors

# Thoughts

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- Ability to add information later
  - Flexibility of CouchDB schema-less format is endorsed.
- Ability for transportation of data from one format to another. (If we choose later to use a system other than CouchDB.)
- Links to published results
- Can we provide links to the database for material history?
  - Can we provide a separate material history database for collaborations to use that would provide an easy link (I know that MJ has a history database under construction)?
- Material links to simulation results?