

Discussion of co-ordination and resource sharing in the LRT community

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At LRT2010 Sudbury, Canada
<http://www.snolab.ca/lrt2010>

Discussion points: (see decisions at the end)

- 1) Coordinated use of HPGe gamma-ray spectrometers, other gamma-ray and neutron detectors by different groups/collaborations;
- 2) Databases of material purity;
- 3) Joint purchasing of radio-pure materials;

Eg. Prisca Cushman would like partner(s) to buy some ancient lead. SNOLAB could be interested. Take advantage of opportunities.

Availability and specs of materials from certain suppliers. It's often hard to find a good product and a good supplier. Let's share that work.

- 4) Monte Carlo simulation tools;
- 5) Radon emanation measurements;
- 6) Purification processes etc.

What to do:

- How to provide some coordination with lack of resources (people, \$\$).
- We are a diverse group. Who are we? How to define the community and communicate to them. How to compile an email list or users group?
- Several databases already exists (eg. Al Smiths (see Reyco Henning), Ilias (Pia Loazia), and many others from private or published papers, tables, webpages etc for various experiment collaborations).
- How to put it all together?
- Master webpage? with links to all these other databases, and reproduction of tables. A portal or a one-stop go-to page. Could evolve into something more, but at least this is a place to start.
- Get people to join the group and contribute their data (webpage + list server, sign-up register? Twiki pages?, Facebook page? LinkedIn? etc).
- Needs a person (at least 30% time) to make/maintain the webpage, research data and people from past and current collaborations. Need to spend a lot of time harassing people to supply data, interpret, put into comparable and searchable forms, etc.
- While this will be a thankless job in the beginning, it will start to fly once it reaches critical mass, and people start to use it and want their data there.

Decisions:

- We will start with a user's group webpage, and Anthony Villano will create a first version. This will provide something to talk around, so we can try ideas. The first aim will be to provide a good resource portal for LRT, and to find a good method to compile global and historical data on materials properties and radio-activities measurements. Over time we hope the other ideas can be addressed such as co-ordinating/sharing screening detectors and materials procurement, and monte-carlos etc.
- Meanwhile, we will make a submission to the global group of underground labs directors to request support of this mission. The level of support we are asking is approx 30% of a person, plus reasonable IT support from where ever the working person is based. The person could be a student or a postdoc, with the supervisor being part of the LRT community and able to advise. The support sharing could be directly in money, or an agreement to provide the person on rotation basis.
- The submission will be made by the current LRT2010 international advisory committee (chaired by R. Ford), and channeled through Nigel Smith (SNOLAB) for submission to the other labs directors.