Worldwide Demand and International Coordination for DUSEL

- 21 people, mostly physicists, came to working group section. Most of the discussion centered on the physics case, but some information came from the earth science people.

- General agreement that the international situation must be understood in order to promote the need for DUSEL.

- In physics, there are several sites in Europe, two in Japan, one in Canada, one in US.

- DUSEL has unique attributes - depth, accessibility, *etc.*

What is demand?

- Need to determine number of people working in field.

⇒Working group leaders to survey their areas for people working in subfields now, and for demand for DUSEL. Include domestic and international figures. Need to establish uniform methodology for WG leaders.

- Try to make growth curve - people working in field vs. year.

- NSF may “require” international participation. Some experiments already have international collaborators.

International coordination - should it be communication?

Panagic Mandate & Members

Mandate

PANAGIC Particle And Nuclear Astrophysics and Gravitation International Committee

The committee has been created by IUPAP in 1998 to support international exchange of ideas and help in the convergence of the international scientific community in the large scale activity in the emerging field of particle and nuclear astrophysics, gravitation and cosmology.

Its purposes are as follows:

- Study of basic constituents of matter and their interactions by non-accelerator means.
- Study of the sources, acceleration mechanism and propagation of high energy particles in the Universe.
- Study of nuclear and particle properties and processes of astrophysical interest in the Universe.
- Study of gravity, including the detection and the astrophysical sources o f gravitational waves.

The Committee has 15 members, selected primarily on the basis of intellectual leadership...

Comments from geoscience

- Scientific work on the forefront is being done outside the US.

- No other sites beyond DUSEL intend to involve the community. Depth is also unique.

- Need an international advisory group to critique DUSEL development.
  Short term - get S-1 right.
  Long term - establish communication path to other countries.