

International Collaboration

Ideas for the near future

1 - **IRIS data product** - work with other organisations. Could be the right time to approach groups with significant holdings of array data to join together. Virtual community opportunity. Perhaps 5 or 10 sample events or time intervals. Particularly important...

CTBTO

China

India

Brazil

Industry datasets (e.g. California Long Beach)

2 – **IRIS managed software library** – (“array version of SAC”), CIG example

Contributed set of algorithms for people to try

Ideas for the near future

3 – Getting into the realm where computer scientists might be interested... e.g. 100's of thousands of traces to process coming in from many countries around the world.

? Interact with oil industry regarding a processing capability

2 scenarios for array deployments

- 1 – **Places with people** and potential societal benefits
(more detail on following slide)
- 2 – **Places with few people**, but a need for logistic collaboration
e.g. AGAP collaboration model, should be no problem once
funding is obtained

Locations with people and societal benefit potential

Combine with hazard monitoring

International project collaboration

Each array central facility – training

Political sensitivities (e.g. stations in Argentina to help Chile)

IRIS great asset in terms of data security (e.g. Ecuador)

FDSN – international federation = status of commission in IASPEI

IRIS DMC – official data repository for FDSN backbone

Location thoughts

South Africa

Brazil

Antarctica TAMSEIS location / Greenland, antipodal pair

Mid-south America / China, antipodal pair

? North Eastern Russia

Other comments

OBS – may as well put in an array as a single station, acoustic data transmission

SKA in South Africa – are the telescopes noisy? (test seismic stations?), should use the SKA cables or telemetry.

Cosmic ray facility / Argentina

Ice-cube at S. Pole –opportunity

??Other uses of sites. (Bird cams, other physical sciences on a case by case basis)

Other comments... continued

USArray short courses model for array methods training

Will there be a meeting at IASPEI ???

Encouragement of participation / approach to FDSN