Sue Loughlin BGS
Database suggestions
VOGRIPA/GVM 1

• Asia-Pacific contribution to LaMEVE version 1.2
  - Add updated Large Magnitude Explosion data

Establish standards and best practice: coordinates, time, uncertainty etc
Definitions: eruption, VEI, measurement methods
Reliability and ranking: dates, volumes

Statistical analysis, global/regional trends
VOGRIPA/GVM 2

Asia-Pacific contribution to:

- Lava domes database (duration of dome growth episodes, extrusion rates, erupted volumes)
- Debris avalanche database deposits
  hazard identification

Statistical analysis, global/regional trends, eruption progression
GVM - Tephra collaboration

- Ash samples 150-200g
- Different compositions
- Eruption rate, plume height, tgsd
- Analysis for RI and characteristics for better satellite retrievals from plumes (ongoing research project arising from Iceland).
- Build database
- Should facilitate better monitoring of future ash plumes, liaison VAACs-volcano observatories
GEO-GRID/Vhub/national hazards/GVM

• Collaboration on hazards footprints (based on modelling and other methods).
  standardisation of approach
  scenarios, probabilistic

• Pyroclastic flow/surge
• Ash fall
• Lahar etc etc
GVM - Vulnerability for risk

- Collaboration on vulnerability indices (from quick assessments to more detailed work).
- Databases on population, land use, livelihood (vulnerability) etc.
- Fragility functions
- Risk assessment methods
- Stochastic modelling