

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