



HIMET: a high-tech spin-off company

HIMET (High Innovation in Meteorology and Environmental Technologies) is a small enterprise, born as a spin-off of the CETEMPS in the 2004. The company operates mainly in the market of professional hydrometeorology and radar meteorology.

HIMET also has a well-structured computing center and various types of weather equipment, including three portable weather mini-radar.

This makes the company an ideal partner for projects that require the acquisition and processing of meteorological data from various sources. This know-how has been applied in several projects and service linked to weather forecasting, civil protection and water resource management.

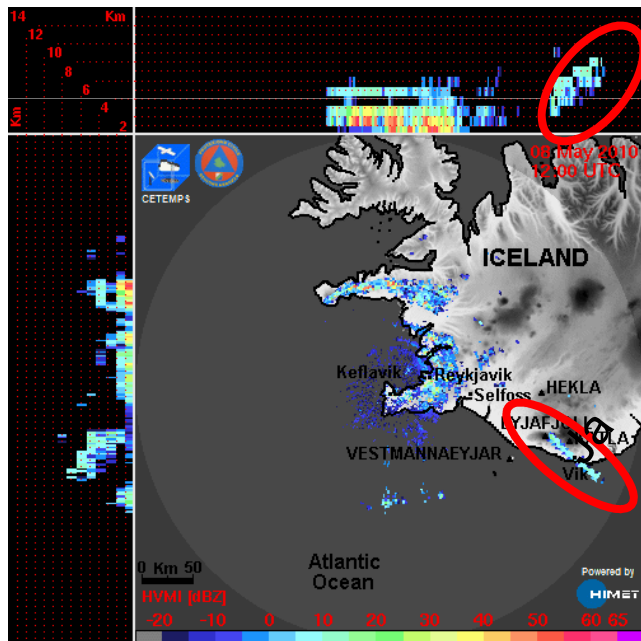
HIMET recently has coordinated the European FP7 project named “Hydrorad” (www.himet.it/hydrorad). The main result of the project was the development of an innovative decision support tool for hydro-meteorological monitoring. The system was successfully tested with a field campaign held in Moldova during the fall of 2011.



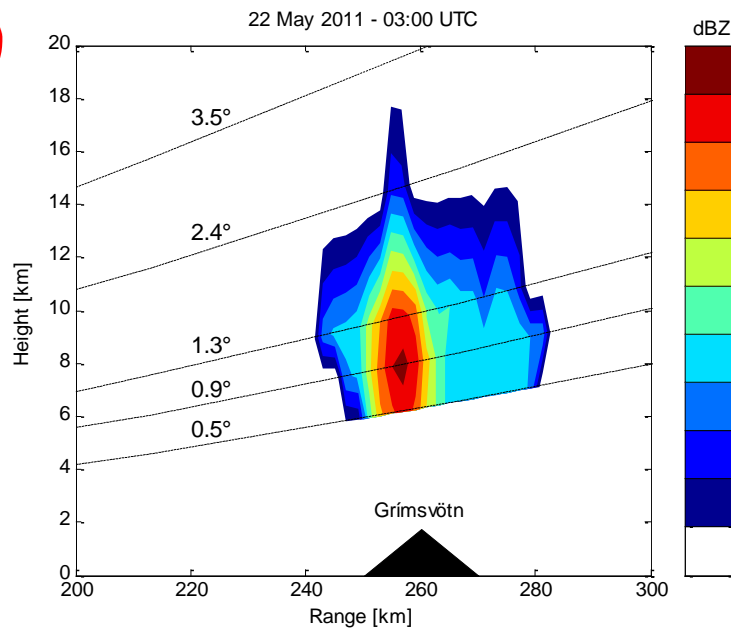
Role of HIMET in FUTUREVOLC



HIMET is involved in WP7, task 7.4 for development (with CETEMPS) and implementation of single and dual polarization weather radar retrieval algorithms. The implementation of radar retrieval algorithms will be carried out in a selected software environment and visualization tools and sharing of radar products in near-real-time via web.



Keflavik PPI Reflectivity measurement
May 8, 2010 EYJAFJOLL eruption



Keflavik RHI Reflectivity measurement
May 22, 2011 GRIMSVOTN eruption

Ash concentration
and fallout

The works will be carried out in close cooperation with CETEMPS staff in WP7 activities and with the other partners during demonstration and validation phase when data from available radars (C and X band, single and dual polarization) will be processed.



Key personnel:

Eng. Errico Picciotti, electrical engineer, in charge of the software engineering on radar meteorology. Expertise on radar meteorology and retrieval techniques.

Dr. Giovanni Cinque, physicist, in charge of financial and administrative management. Expertise on financial and administrative management of R&D projects.

Dr. Livio Bernardini, physicist, in charge of the software engineering management. Expertise on image processing and system management.