

Alpine Test Site Guetsch: Meteorological measurements and wind turbine performance analysis

COST 727 Measuring and forecasting atmospheric icing on structures

Météo Suisse, Payerne / *METEOTEST* Bern / <http://www.meteotest.ch/cost727/index.html>

Position within COST 727 Action

The project lies completely in line with the topics of Working Group 2 of the COST action (see MOU):

"... The topics of WG2 "MEASUREMENTS AND DATA COLLECTION ON ICING" are:

- a) create an inventory and collect available experimental data on icing as well as ancillary data
- b) review and assess existing ice detectors and their performance
- c) review and assess existing verification data from different sources
- d) contribute to the set up of icing measurements at different locations in Europe and to the development of existing test sites
- e) set up a data quality control scheme for measured icing data
- f) establish a basic data set for icing modelling and verification
- g) provide recommendations to set up a long-term icing measuring network and data base (to be submitted to WMO)
- h) establish an icing monitoring core group for collecting and maintaining data on icing during and especially after the course of the Action
- i) develop the scientific and technical bases of specifications of ice detectors
- j) set up recommendations for testing/approving ice detectors and ice/free sensors.