



## **International development and twinning project activities of the Finnish Meteorological Institute**

Matti Eerikäinen and Harri Pietarila

Finnish Meteorological Institute, Helsinki, Finland (matti.eerikainen@fmi.fi)

The International expert services of the Finnish Meteorological Institute (FMI) has been working nearly fifty years internationally in improving of the services provided by the different hydro-meteorological services worldwide. The cornerstones of the development and twinning cooperation with different institutes have been formed around improved weather and warning services, disaster risk reduction and adaptation to climate change. So far the assistance and transfer of know-how has reached more than 100 countries worldwide, mainly concentrating on the developing countries. The main objective of the development and twinning projects has been to improve the quality, dissemination and effectiveness of the hydro-meteorological forecasts and warning services for the societies to decrease number of fatalities related to natural disasters and to decrease the economic losses related to the same events. The activities have included giving assistance in development of all operational areas of a hydro-meteorological service from observations to forecasts and services. In practice this has included components of both technological transfer and human capacity building with significant investments for achieving sustainable results and aiming ultimately to sustainable development of the partner institutes.

In this work we will present the results of this many years of work, current activities and the future plans to improve the interaction and support with the institutions where we have been working. All this collaboration has had a big impact in each country where FMI has been implementing projects. In addition, it has also supported FMI to develop better products for the developing countries, thanks to the many ideas and new concepts that have risen as a result of this fruitful twinning cooperation work with the institutes.