Climate Data Homogenization

Usage within NMHSs & other organizations

From: WMO Expert Team on Data Development and Stewardship
ET-DDS

Date: *Day/Month/Year*

WORLD
METEOROLOGICAL
ORGANIZATION

1950-2025
SCIENCE *for* ACTION

Information from the homogenized data producers

17 organizations responded to the questionnaire from March to August 2025: BoM, Environment and Climate Change Canada, Czech Hydrometeorological Institute, DWD, Météo-France, Hellenic National Meteorological Service, HungaroMet, BMKG, Latvian Environment, Slovak Hydrometeorological Institute, AEMET, Universidad de Zaragosa, SMHI, UK Met Office, Ukrainian Hydrometeorological Institute and NOAA.

Such organizations have specified their homogenized data usage according to 4 categories:

1. Homogenized Datasets catalogue, fill in data gap, data rescue

2. Report / Trend / Indices / Diagnostic/ on historical and present data

3. Model verification/calibration (climate model, reanalysis, seasonal forecast, etc.)

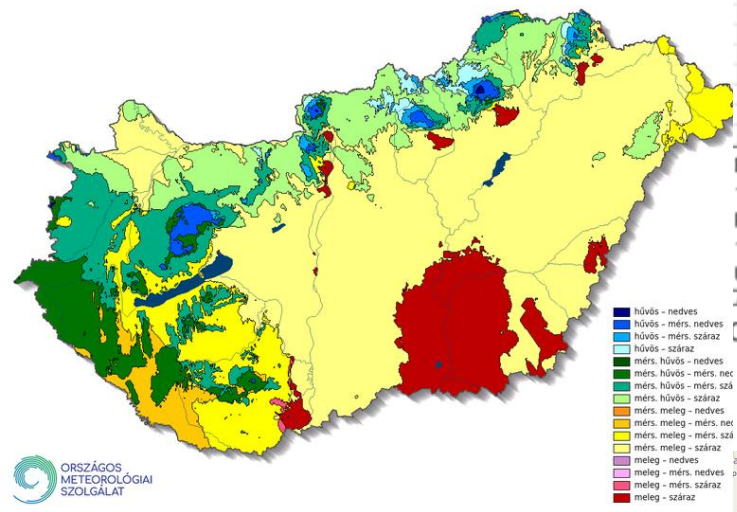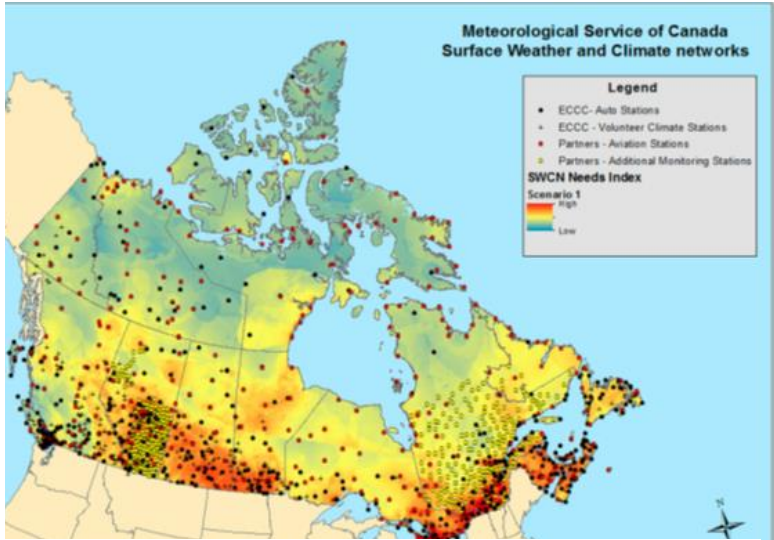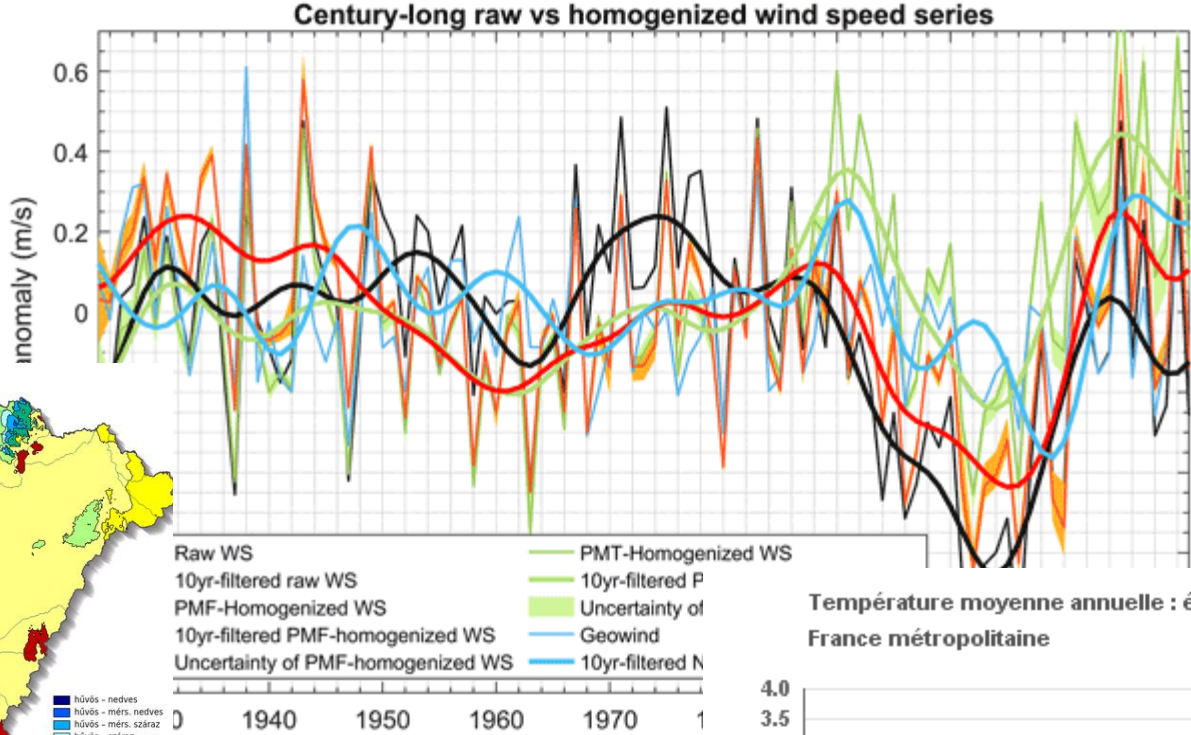4. Other specific climate services (health, energy, agriculture, etc.), Analysis, Research

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Questionnaire results

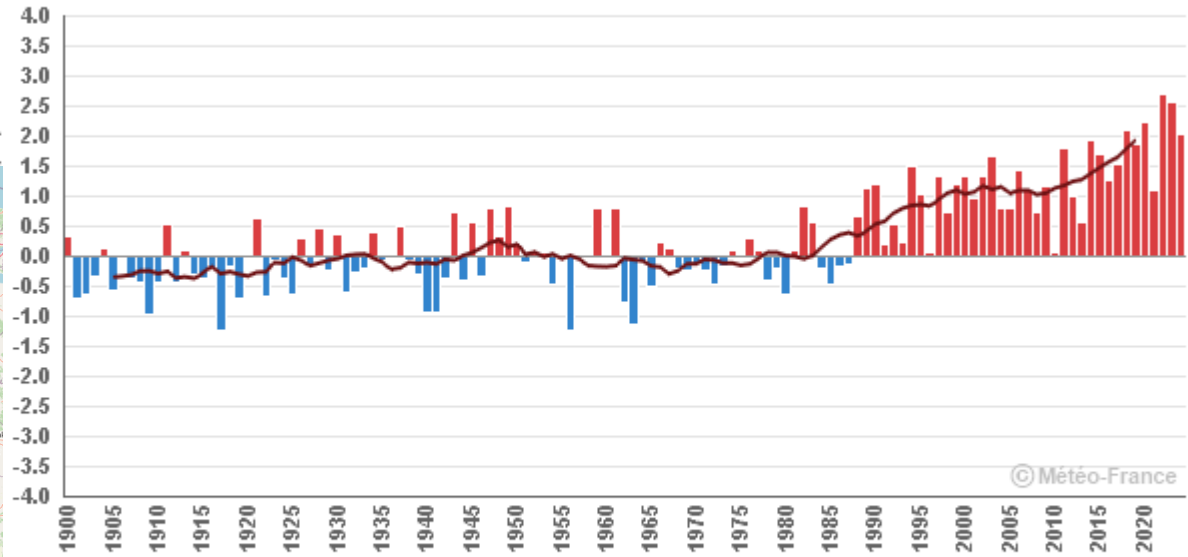| Categories	%
Produce homogenized data series	100
Report / Trend / Indices / Diagnostic for historical and present data	82
Model verification/calibration	35
Specific climate services, Analysis, Research	24

The answers to the questionnaire are available at this address:
https://github.com/ET-DRC/Home/blob/main/consultation/homogenization/Products_Homogenization_V7.xlsx

Samples