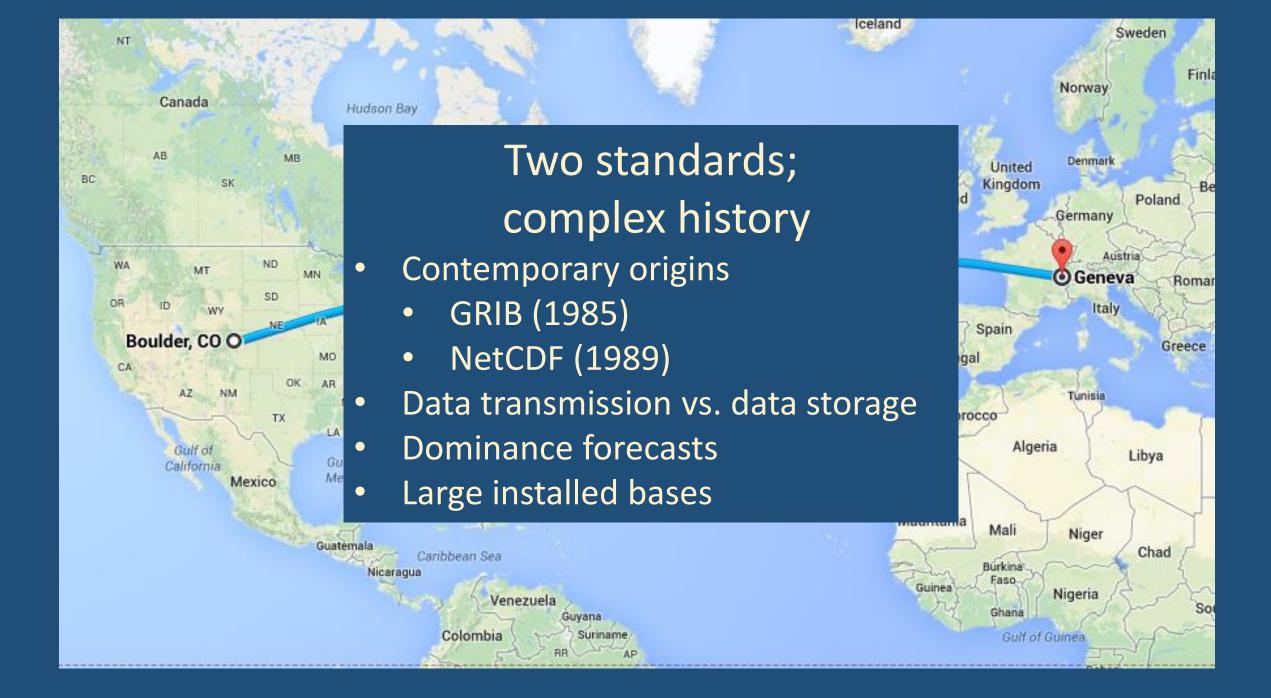
GRIB and NetCDF in a world of competing standards

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Model Packages

Air Transportation Information Exchange Conference -(Featuring Notam Industry Day, Monday August 25, 2014)



ICAO Weather Information Exchange Model (IWXXM) METAR, SPECI, TAF, and SIGMET representations

Simple Aeronautical Features (SAF) Simplified features from the aeronautical domain, such as aerodrome and runway (related to AIXM)



Meteorological Community Exchange Model (METCE)

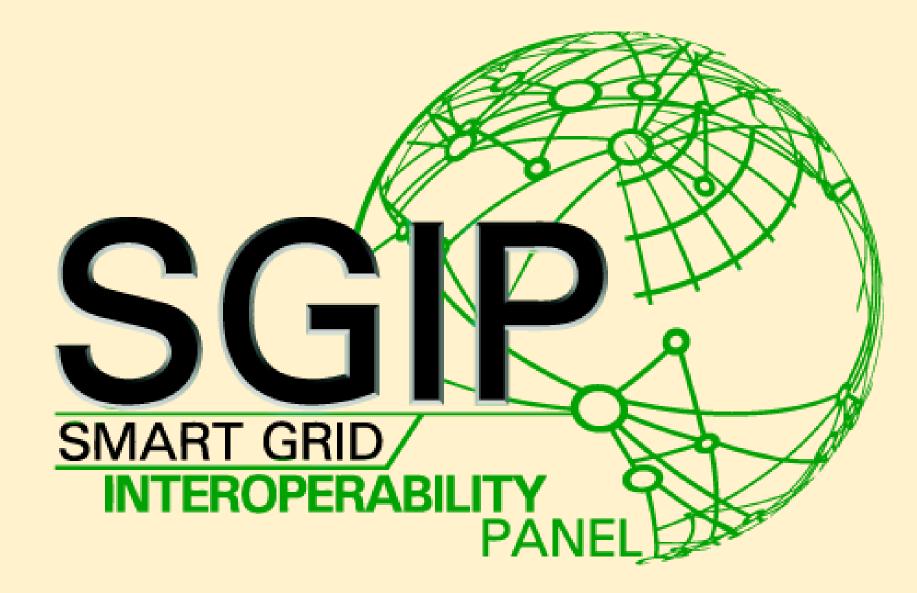
WMO logical data model, specifically Observations and Measurements (O&M) specializations

Observable Property Model (OPM)

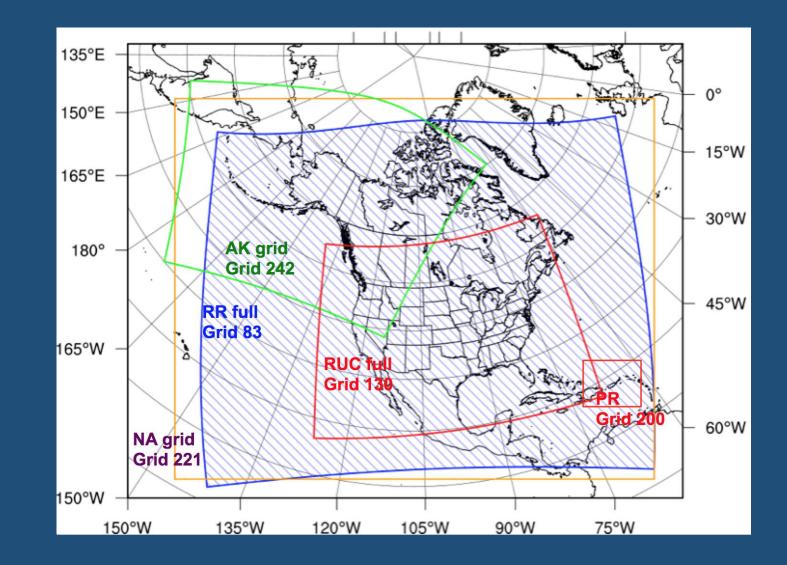
Qualifications and constraints on observed properties

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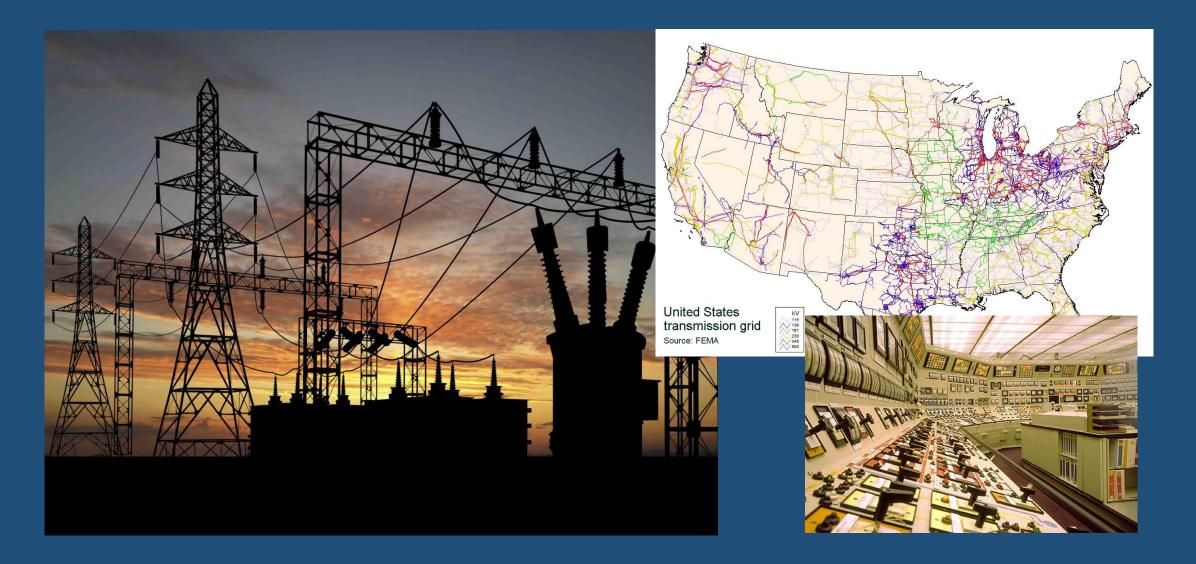




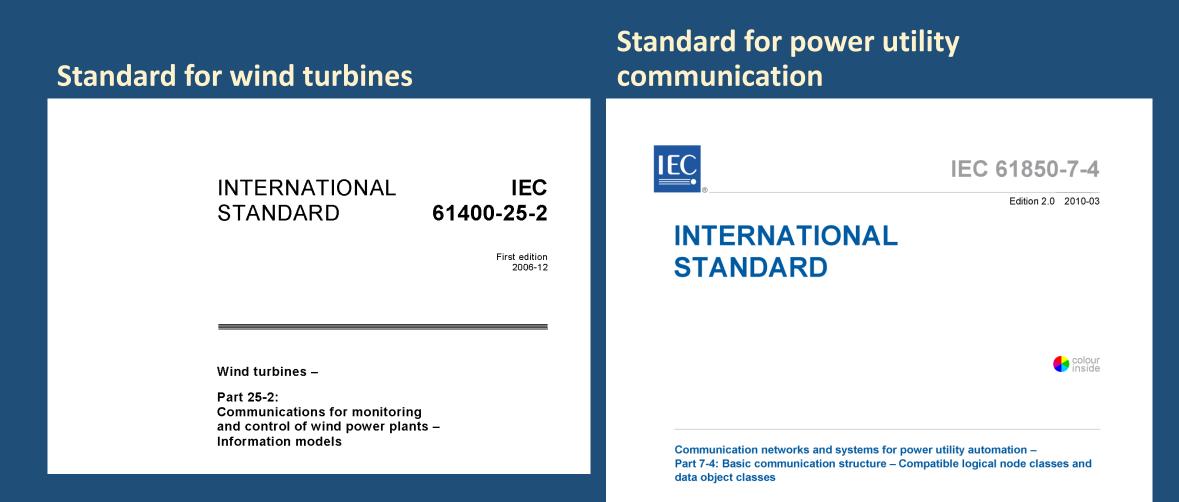
Not this grid...



...but this grid.



International Electrotechnical Commission



Both standards contain meteorological parameters.

- Ambient temperature
- Wet bulb temperature
- Cloud cover level
- Humidity
- Horizontal wind direction
- Horizontal wind speed
- Vertical wind direction
- Vertical wind speed
- ...and many more

It is easy for us to assume that the standards we develop and use are the only ones that matter.

Our partners and users often disagree.

