Bringing in radiosonde data that is not RS-92

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- Currently only the only GRUAN data product is based on raw data of the Vaisala RS92

- Within GRUAN we have:
  Swiss Radiosonde
  Modem (Candidate sites)
  Chinese radiosonde

- Stations using other sondes may apply in the future

- What do sites need to do to create a GRUAN data product?

- Temperature:
  Radiation correction (Lab measurements, radiation transfer model
  Verification of calibration (Lab measurement)
  Manufacturers independent ground check

- Humidity:
  Calibration
  Vapor pressure equation
  Raw data
  Manufacturers independent ground check
  Time lag corrections
  Icing issues (unheated sensors)

- Pressure:
  Sensor calibration
  Systematic and random errors (non GPS)
  Manufacturers independent ground check

- Wind:
  Systematic and random errors (non GPS)
  Public processing of wind measurements (from raw data)

- Collaboration with Payerne on radiation correction (Consistent measurements of SRS radiation error in flight and in the lab)

- Consultations regarding issues with CMA and LMD/IPSL on Chinese and French sondes

Continue support of CMA

Support of LMD/IPSL as requested

- Put the steps to make any radiosonde into a GRUAN data product into writing.
  ➔ Radiosonde task team?

- Require transparency from manufacturer and/or institution!