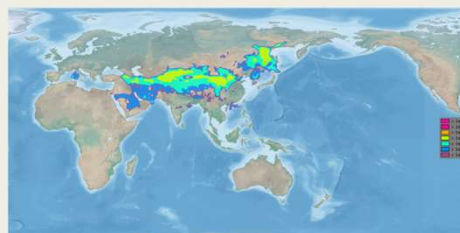# What can we learn from a comparison of ECMWF- and NCEP-driven SRS fields?

Monika Krysta, Anne Tipka and Robin Schoemaker
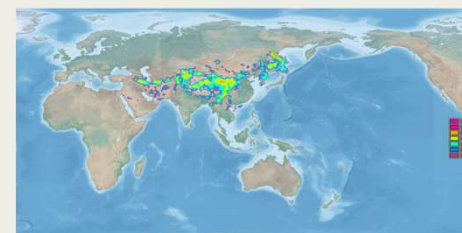CTBTO IDC/SA, Vienna International Centre, Wagramerstrasse 5, 1220 Wien, Austria

- Two sources of meteorological fields for operational ATM backtracking simulations

- Generally, ECMWF-driven SRS fields occupy **larger regions** than NCEP-driven ones

- Different **vertical levels** definition a possible reason behind this discrepancy

- ECMWF model levels better resolve **Planetary Boundary Layer**

- Broader ECMWF-driven SRS fields in regions of **complex orography**

ECMWF-driven SRS for JPX38

NCEP-driven SRS for JPX38

- Counterexamples can be found making the assessment difficult

- More studies needed

- If you have suggestions or just want to learn more, come over for a chat in front of our e-poster

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