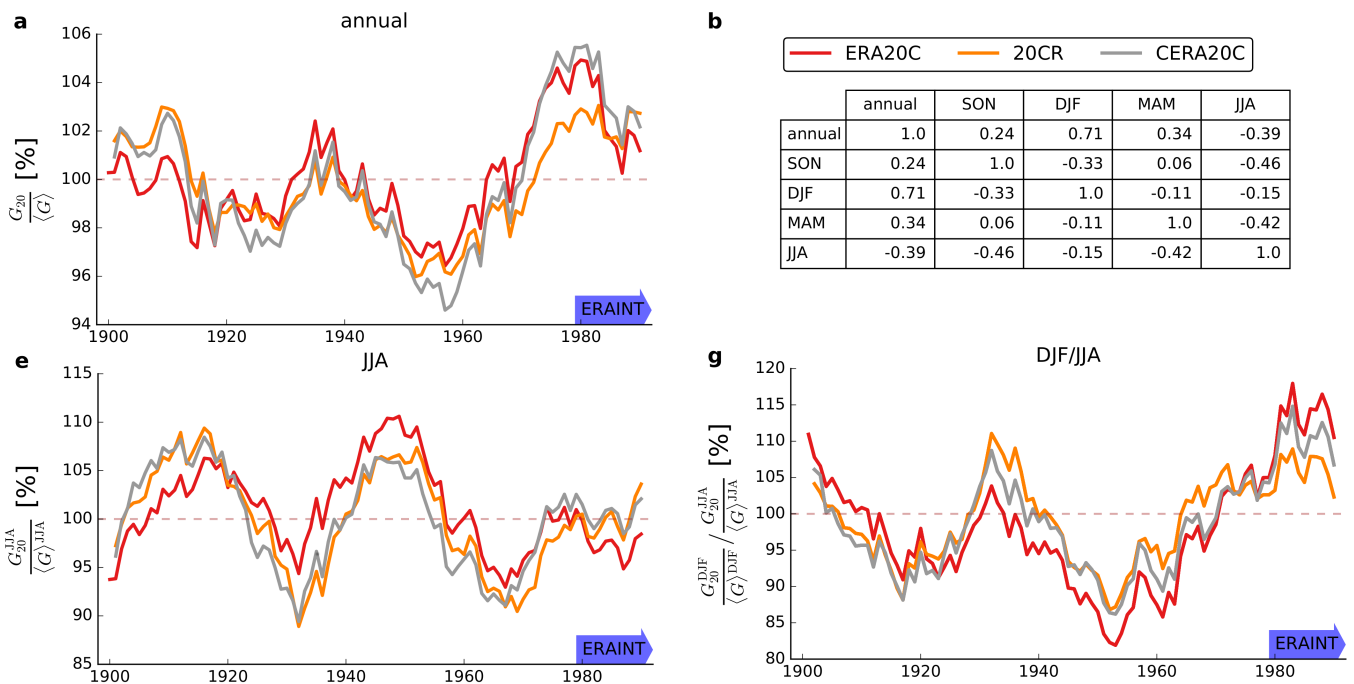


European multi-decadal renewable generation variability

Type: ETH Postdoctoral Fellowship to Jan Wohland (CP)

Status: in progress (started Sep. 2019)

- Investments in energy infrastructure are long term (multiple decades) but we lack understanding of multi-decadal resource variability
- Multi-decadal climate variability matters for wind energy in Germany



Source: Jan Wohland, Nour-Eddine Omrani, Noel S. Keenlyside, and Dirk Witthaut. Significant multi-decadal variability of German wind energy yields. Wind Energy Science, 4, 2019

Open questions:

- Which role does multidecadal variability play on a continental scale?
 - How are solar power and hydropower affected?
- Do 20th century reanalyses allows us to answer these questions?
 - Is multidecadal variability captured in climate models?