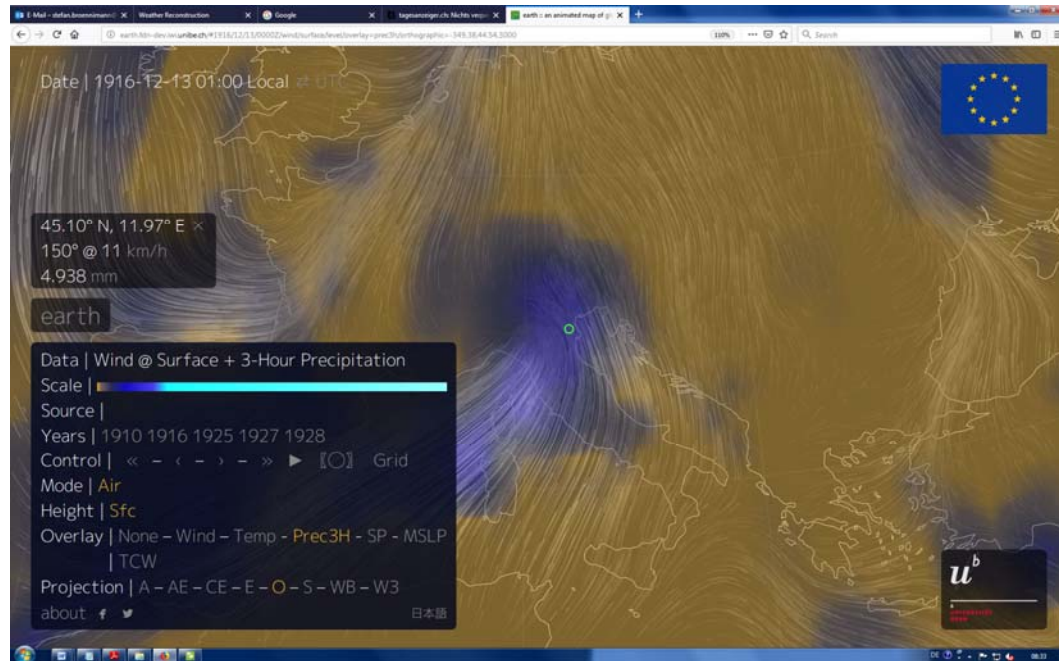


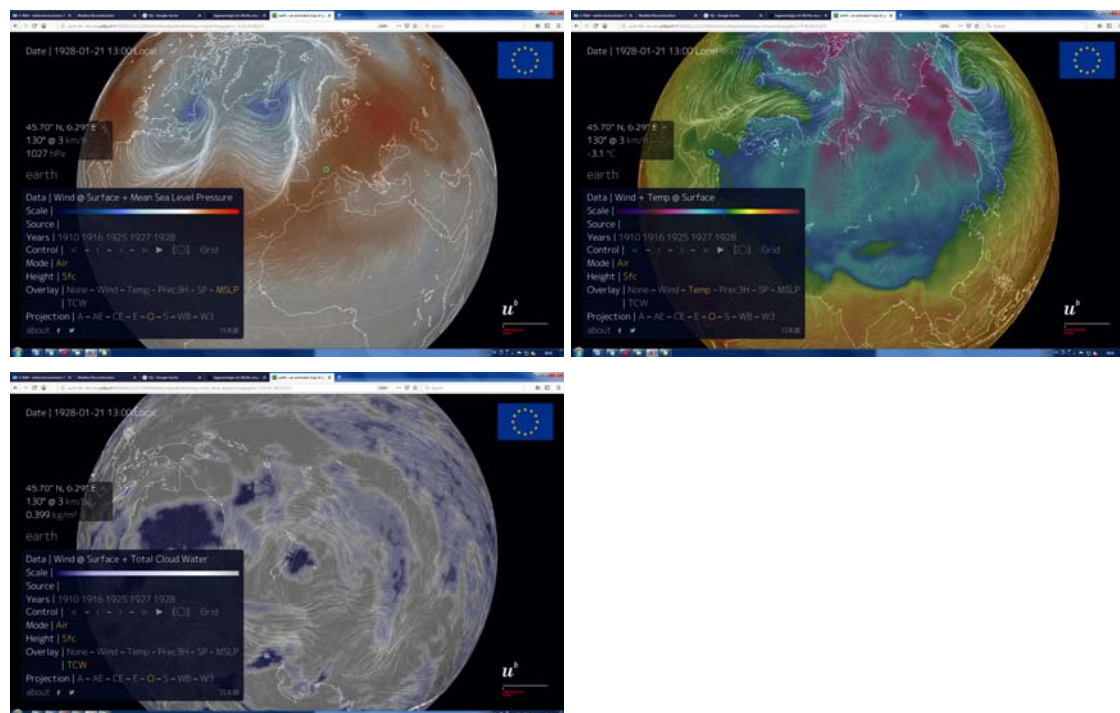
## Reanalysis Exercise

- How much precipitation fell over northern Italy on 13 Dec 1916, 0 UTC within 3 hours?

Up to 5 mm

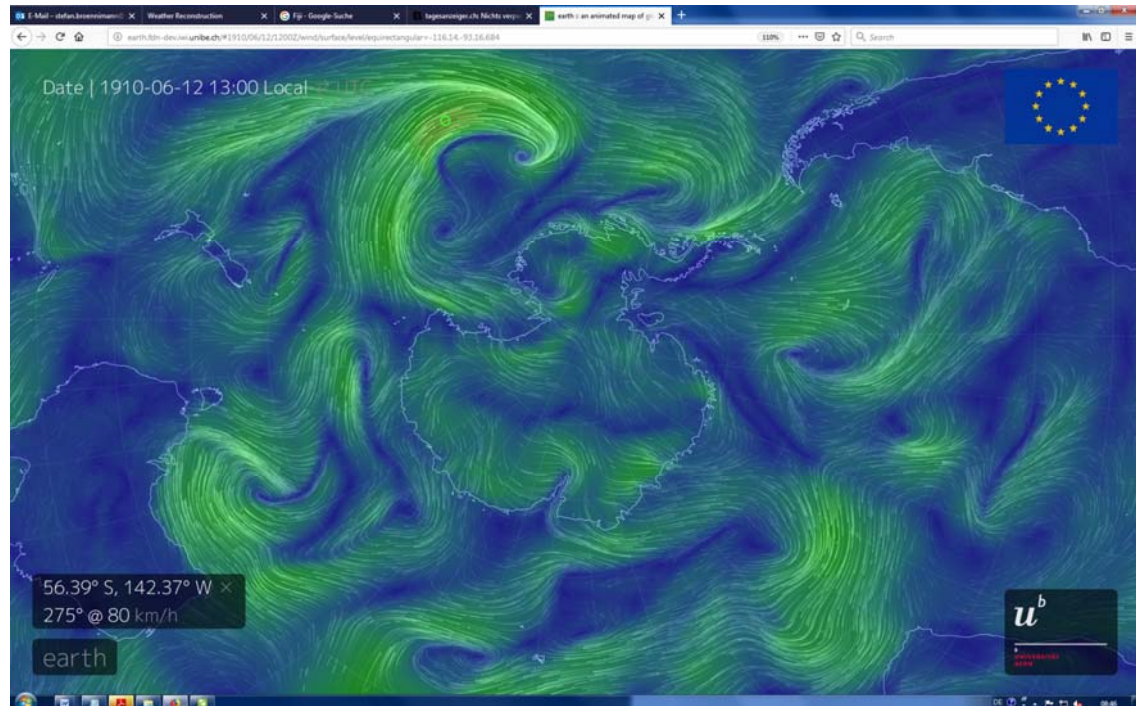


- For 21 January 1928, 12 UTC, consider pressure over Europe, temperature over Eastern Siberia and total cloud water over Fiji Islands. Which do you trust most and why?



Pressure over Europe is well specified by the input (pressure), temperature over Eastern Siberia are indirectly specified via pressure, but arguably less well. Cloud water over Fiji in 1928 is the least well specified variable.

- Where was wind speed highest on 12 June 1910, 12 UTC? Do you trust this value? Is it physically plausible?



The highest wind speed is about 80 km/h. The value is not to be trusted, hardly any observations serve to constrain this value in the southern South Pacific during the austral winter of 1910. But this value is physically plausible and it is plausible in the model.