

## WP3 Workshop: Methods to Identify Drivers of Annual to Decadal Changes in Climate



### Afternoon 1 (Monday 9 September)

Time (CET)	What
14.00-14.05	General introduction
14.05-14.35	<i>Hamed Ibrahim (University of Toronto)</i> : Diagnosing the role of land surface vegetation type and position in simulations of extreme hydrological and heat events
14.35-15.05	<i>Emily Black (University of Reading)</i> : Drought
15.05-15.15	Coffee/toilet break
15.15-15.45	<i>Paul Kushner (University of Toronto)</i> : Value added of regionally refined earth system models in simulation of climate extremes and hazards
15.45-16.15	<i>Eylon Vakrat (University of Toronto)</i> : Dynamical Methods to Spot Persistent Impactful Blocking
16.15-16.30	Coffee/toilet break
16.30-17.00	<i>Tamara Happé (VU Amsterdam)</i> : Decomposition of observed circulation trends in boreal summer using ERA5-reanalysis and CMIP6
17.00-17.15	General discussion, closure

### Afternoon 2 (Tuesday 10 September)

Time	What
13.00-13.05	General introduction, agenda
13.05-13.35	<i>Stefano Materia (Barcelona Supercomputing Center)</i> : Data-driven methods to identify and quantify the roles of climate drivers.
13.35-14.05	<i>Rikke Stoffels (VU Amsterdam)</i> : Explainable Neural Network for identifying (tropical) teleconnection patterns
14.05-14.15	Coffee/toilet break
14.15-14.45	<i>Julianna C. Oliveira (Universität Leipzig)</i> : Variational auto-encoders for identifying summer weather regimes and temperature variability in Europe
14.45-15.15	<i>Buwen Dong (University of Reading)</i> : Anthropogenic influence on excess warming in Europe during recent decades
15.15-15.30	Coffee/toilet break
15.30-16.00	<i>Markus Donat/Gerard Marcet (Barcelona Supercomputing Center)</i> : Attributing climate features to internal drivers by constraining ocean variability in large ensemble simulations
16.00-16.30	<i>Dough Smith/Melissa Seabrook (Met Office)</i> : Exploiting model differences to identify drivers
16.30-17.00	General discussion, next steps, closure



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