

Programme of the Workshop on Environmental Time Series Analysis

Tuesday 14-6

12:15 - 13:25

Registration and Lunch (Room: Ad Fundum)

13:25 - 13:30

Opening and Welcome (Room: A1.22)

13:30 - 15:30

Session 1: Statistical Analysis in the Ocean

(Room: A1.22, Chair: Marina Friedrich)

Erik van Sebille (Utrecht University)	Extraction of small- and large-scale structures in dynamic ocean flows: how to deal with non-stationary climate change signals?
Bror Jonsson (Plymouth Marine Laboratory)	Dominant Timescales of Variability in Global Satellite Chl and SST revealed with a MOving Standard deviation Saturation (MOSS) approach
Jake Grainger (Lancaster University)	Parametric estimation of the frequency-direction spectrum for ocean waves
Addison Rice (Utrecht University)	Assessing the imperfect time series: a sediment trap case study

15:30 - 16:00

Coffee Break

16:00 - 18:00

Parallel Session 2: Trends, Interactions and Forecasting for Climate Data

(Room: A1.22, Chair: Luca Margaritella)

Fulvia Marotta (Queen Mary University of London)	Estimation of cyclical time series: an application to Central England Temperatures
Andrew Martinez (US Department of Treasury)	Testing for Differences in Path Forecast Accuracy
Zack Miller (University of Missouri)	How Does Economic Activity Interact with Climate? What We Learn from Global Temperature Anomaly Distributions
Francis Diebold (University of Pennsylvania)	When Will Arctic Sea Ice Disappear? Projections of Area, Extent, Thickness, and Volume

16:00 - 18:00

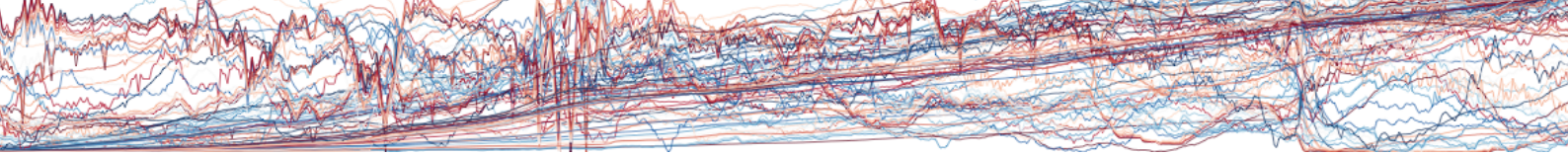
Parallel Session 3: Policy and Climate Change Impacts 1

(Room: A1.23, Chair: Ines Wilms)

Dominik Hirschbuehl (Joint Research Centre of the European Commission)	A sustainability transition on the move? Evidence based on the disconnect from market fundamentals
Simone Maxand (Europa-Universität Viadrina)	A panel SVAR for European climate policy

Sponsors





Viktoria Vidahazy (Graduate Institute of International and Development Studies)	The Effects of Climate Change on the Financial Market
Javier Ojea Ferreiro (Joint Research Centre of the European Commission)	The impact of climate transition risks on financial stability. A systemic risk approach.

19:00 - 22:00	Dinner Restaurant Bouchon d'en Face, Wycker Brugstraat 54, 6221 ED Maastricht; https://goo.gl/maps/oXEBJtstUSNNaCWu9
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Wednesday 15-6

9:00 - 9:15	Coffee
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9:15 - 12:00	Parallel Session 4: Statistical Modelling of Climate Systems (Room: A1.22, Chair: Emmanuel Mahieu)
	Eric Hillebrand (Aarhus University) A New Statistical Reduced Complexity Climate Model
	Marc Gronwald (Xi'an Jiaotong-Liverpool University) Long-run co-movement of global temperature anomalies and forcings from greenhouse gases
	Jingjing Zhou Lykke (Aarhus University) Estimation of a two-component energy balance model

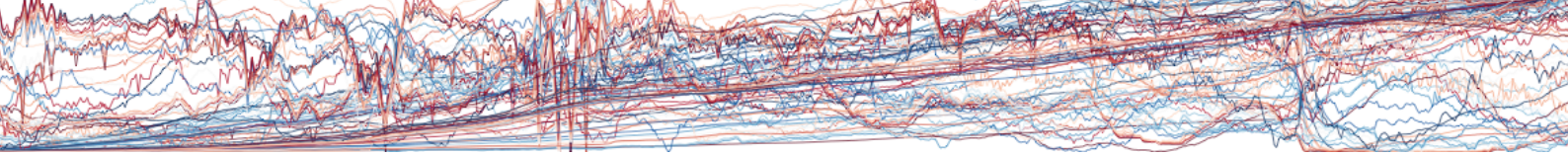
10:45 - 11:00	Mid-Session Break
	Luca Margaritella (Lund University) Granger causality in climatic attribution
	Francesco Giancaterini (Maastricht University) Is global warming (time) reversible?

9:45 - 12:00	Parallel Session 5: Policy and Climate Change Impacts 2 (Room: A1.23, Chair: Jakob Raymaekers)
	Vinzenz Peters (Maastricht University) Resilience to Extreme Weather Events and Local Financial Structure of Prefecture-Level Cities in China
	Thales West (VU Amsterdam) The effectiveness of policies to reduce deforestation in the Brazilian Amazon

10:45 - 11:00	Mid-Session Break
	Marco Quatrosi (University of Ferrara) Emission Trading in a high dimensional context: to what extent carbon markets are integrated with the broader system?
	Max Kotz (Potsdam Institute for Climate Impact Research) The persistence of climate impacts: identification difficulties in the presence of high-dimensionality and autocorrelation

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12:00 - 13:00 **Lunch**

13:00 - 14:30 **Session 6: Detecting Patterns in Weather and Climate Data 1**
(Room: A1.22, Chair: Eric Hillebrand)

Siem Jan Koopman (VU Amsterdam)	Common Trends in Atmospheric Data
Chiel van Heerwaarden & Wouter Mol (Wageningen University)	Cloud shadows and peaks: power law distributions from event detection in time series
Jonas Lembrechts (University of Antwerp)	The SoilTemp database, an opportunity for modelling microclimate change and microclimate now-casting?

14:30 - 15:00 **Coffee Break**

15:00 - 17:00 **Session 7: Detecting Patterns in Weather and Climate Data 2**
(Room: A1.22, Chair: Stephan Smeekes)

Robinson Kruse-Becher (FernUni Hagen)	Adaptive nowcasting and forecasting of temperature trends under structural breaks
Marina Friedrich (VU Amsterdam) and Emmanuel Mahieu (University of Liège)	Trend and Break Estimation in Atmospheric Ethane
Susana Barbosa (INESC TEC)	Detection of abrupt changes and early warning signs of tipping points in climate time series
Etienne Wijler (VU Amsterdam)	Spatiotemporal Modelling in Large Dynamic Systems with Applications to Atmospheric Pollution

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