

Learning about Interactive Networks in Climate (LINC) School-II
Kontakt der Kontinenten (www.kontaktderkontinenten.nl/)
Soesterberg, Netherlands, April 21-30, 2013

Local Organization:
Kendra Ng, Henk Dijkstra, UU, Utrecht (Netherlands)

Final program (version 15/04/2013)

SUNDAY April 21

17:00-19:00 Arrival of participants and registration
19:00 dinner

MONDAY April 22

9:00- 9:30 Welcome, aim and practical details (Kendra Ng, Henk Dijkstra)
9:30- 11:00 Gerrit Lohmann:
 Fluid dynamics of the climate system
11:00-11:30 coffee/tea
11:30-13:00 Gerrit Lohmann:
 Climate variability
13:00-15:00 lunch
15:00-18:00 exercises:
 Fluid & Climate Models (Gerrit Lohmann)
19:00 Dinner

TUESDAY April 23

9.00- 10.30 Marc Segond:
 Introduction on Machine Learning
10:30-11:00 coffee/tea
11:00-12.30 Johan Dijkzeul/Hisham Ihshaish (ER2):
 Computational issues in network analysis
12:30-14:30 lunch
14:30-17:00 exercises:
 Network Computations (Johan Dijkzeul/Hisham Ihshaish)
17:00-17:30 coffee/tea
17:30-18:30 research lecture, Avi Gozolchiani:
 The dynamical climate network, its major centroids, and their close relation to the ENSO cycle
19:00 dinner

WEDNESDAY April 24

9.00- 10.30 Emilio Hernandez-Garcia:
 Anticipating climatic tipping points and regime shifts
10:30-11:00 coffee/tea
11:00-12:30 Cristina Masoller:
 Introduction to symbolic time series analysis applied to climatological data
12:30-14:00 lunch

14:00-22:00 excursion bicycle tour + dinner in Kinderdijk

THURSDAY April 25

9:00- 10:30 M. Barreiro:
10:30-11.00 coffee/tea
11:00-12:30 S. Havlin:
From Single Networks to Networks of Networks
12:30-13:30 lunch
13:30-17:30 workshop (chair Henk Dijkstra)
13:30-13:45: ESR1
13:45-14:00: ESR2
14:00-14:15: ESR3
14:15-14:30: ESR4
14:30-14:45: ESR5
14:45-15:00: ESR6
15:00-15:15: coffee/tea break
15:15-15:30: ESR7
15:30-15:45: ESR8
15:45-16:00: ESR9
16:00-16:15: ESR10
16:15-16:30: ESR11
16:30-16:45: ESR12
16:45-17:00: coffee/tea break
17:00-17:15: ER1
17:15-17:30: ER2
17:30-17:45: ER3
18:00-20:00 LINC board meeting
20:00 dinner
21:30-23:00 special seminar Prof. Arthur Petersen, PBL Netherlands Environmental Assessment Agency
(outreach activity)

FRIDAY April 26

9:00- 10:30 Henk Dijkstra:
Physics of dominant patterns of climate variability
10:30-11.00 coffee/tea
11:00-12:30 Juergen Kurths:
Synchronization and Complex Networks: A few basics and some applications
12:30-14:30 lunch
14:30-17:30 exercises:
Elementary climate data analysis (Henk Dijkstra)
17:30-18:00 coffee/tea
18:00-19:00 research lecture Rob Bisseling (UU):
Graph partitioning algorithms
19:00 dinner

SATURDAY April 27

7:00-22:00 **FREE DAY**

SUNDAY April 28

9:00-10:30 Marta Sales:
Network basics
10:30-11:00 coffee/tea
11:00-12:30 Marta Sales:
Global network analysis
12:30-14:30 lunch
14:30-17:30 exercises:
Network Analysis (Marta Sales)
17:30-18:00 coffee/tea
18:00-19:00 Jan Viebahn:
Critical transition analysis of the deterministic wind-driven ocean circulation
19:00 dinner

MONDAY April 29

9:00- 10:30 Manfred Mudelsee:
Advanced Climate Data Analysis I
10:30-11:00 coffee/tea
11:00-12:30 Manfred Mudelsee:
Advanced Climate Data Analysis, II
12:30-14:30 lunch
14:30-16:30 presentations by ESRs on exercises
16:30-17:00 coffee/tea
17:00-19:00 presentations by ESRs on exercises
19:00 closure and dinner

TUESDAY April 30

9:00- 10:30 Breakfast and Departure