**Third Klimapolis workshop**

21-24 May 2019

Instituto de Astronomia, Geofísica e Ciências Atmosféricas (IAG)

Universidade de São Paulo (USP)

Final agenda (v. 16 May 2019)

**Venue: Auditório 1 "Kenkichi Fujimori" (P-217)**

**Monday (20 May 2019)**

Science Caravan to Itaim Paulista

10:00 - Departure from Golden Tower São Paulo Hotel (Rua Deputado Lacerda Franco, 148)

**Day 1 – Tuesday (21 May 2019)**

09:00 – Welcome (Tercio Ambrizzi, Pedro Dias)

09:05 – Charge to the meeting (Nico Caltabiano, MPI-M)

Session 1: Climate modelling *(Chair: Anita Engels)*

09:15 – Regional Climate Modelling in the Southeast of Brazil *(Rosmeri Porfirio, IAG-USP)*

09:45 – Activities of the Eta group at INPE-CPTEC *(Chou Chan, INPE-CPTEC)*

**10:15 – Coffee break**

10:45 – Urban climate modelling *(Heinke Schlünzen, University of Hamburg)* **(remote presentation)**

11:15 – Regional Climate Modelling in the Northeast of Brazil *(Cristiano Prestrelo, IDEMA)*

11:45 – Discussion (including modelling intercomparison activity)

**12:30 - Lunch**

Session 2: Itaim Paulista Case Study *(Chair: Ana Paula Koury)*

14:00 – Itaim Paulista +1.5oC *(Patrícia Pinho, UNDP)*

14:30 – Waste management conflicts *(Gina Rizpah Besen/ Macroamb)*

15:00 – Cyborg Landscape *(Martin Kohler, HAW)*

15:15 - The Itaim Paulista Lab and the pilot interdisciplinary research in Itaim Paulista *(Itaim Paulista Lab /USJT)*

**15:30 – Coffee break**

15:45– How to measure air pollution in Itaim Paulista? *(Regina Miranda, EACH-USP*)

16:00 - Sensing on the road *(Veronika Brand, IAG-USP)*

16:15 – Sustainable “quebrada” an initiative in Itaim Paulista (*Vinicius de Moraes/ Permai'taim movement)*

16: 30 - The air pollution literacy workshop in the EMEF Padre Chico Falconi *(Leonardo Yoshiaki Kamigauti e José Bichara, Garoa Hacker Club Association)*

16:45 – Mapping air quality in Itaim Paulista *(Maria de Fátima Andrade IAG USP)*

17:00  – Discussion Itaim Paulista case study how to integrate models?

**17:30 - End of day**

**Day 2 – Wednesday (22 May 2019)**

Session 2: Modelling of Extremes and Hydrological modelling *(Chair: Tercio Ambrizzi)*

09:00 – How to forecast daily extreme precipitation in a system designed to forecast average daily precipitation? *(Maria Assunção Dias, IAG-USP)*

09.30 – How to calculate the extremes avoided in a future climate change scenario? *(Armelle Remedio, GERICS)*

10:00 – High resolution hydrological modelling in São Paulo: what do we need? *(Peter Fröhle, TUHH)* **(remote presentation)**

**10:30 – Coffee break**

11:00 – Hydrological modelling of basin scale: activities at ITA *(Wilson Cabral, ITA)*

11:30 – Hydrological modelling of the Lajeado Creek for urban planning *(Renato Anelli, USP São Carlos)*

12:00 – Discussion

**12:30 - Lunch**

Session 3: Preparing Klimapolis 2nd Phase in the Northeast of Brazil *(Chair: Judith Hoelzemann)*

14:00 – Review Klimapolis workshop in Natal (*Judith Hoelzemann, UFRN)*

14:15 – Klimapolis relevant activities of IDEMA – the Institute of Sustainable Development and the Environment of the state of Rio Grande do Norte in Northeastern Brazil *(Werner Farkatt Tabosa, IDEMA)*

14:30 - Hydrological modelling for flooding prevention in Natal, RN *(Venerando Eustáquio Amaro, UFRN/IDEMA)*

15:00 – Hydrological modelling of basins in the Brazilian Northeast *(Jean Tavares, IFRN)*

**15:30 – Coffee break**

16:00 – Mitigation strategies in the Northeast *(Paulete Martins, INPE-CRN)*

16:15 – The Socioeconomic Atlas of the state of Bahia *(Tania Tavares, UFBA)* **(remote presentation)**

16:30 – Discussion of Klimapolis activities for the Northeast of Brazil

**17:30 – End of day**

***19:30 – Event Dinner at Cantina Gigio (Rua Dos Pinheiros, 355)***

**Day 3 – Thursday (23 May 2019)**

Session 4: Air quality modelling *(Chair: Armelle Remedio)*

09:00 – Remote sensing data assimilation for the Metropolitan Area of Sao Paulo: current status and future plans *(Anne Caroline Lange, RIU)*

09:30 – Regional and local air Brasil quality analyses and forecasting by enlisting CAMS strategy? Some ideas with EURAD-IM *(Hendrik Elbern, RIU)*

10:00 – Air quality, climate and urbanization in the South and Southeartern regions of Brazil *(Leila Martins – UTFPr)* **(remote presentation)**

**10:30 – Coffee break**

11:00 – São Paulo Metropolitan Area, jointly tracking climate change and air quality *(Fatima Andrade - IAG-USP)*

11:30 – Emission inventories for model intercomparison activity and future studies over the Northeast *(Angel Vara Vela, CPTEC- INPE; Judith Hoelzemann, UFRN)*

12:00 – Discussion

**12:30 – Lunch**

Session 5: City Modelling *(Chair: Renato Anelli)*

14:00 – Envision Tomorrow *(Julia Reisemann, Fregonese Associates)* **(remote presentation)**

14:30 – BIM Cidades *(Arivaldo Leão de Amorim, UFBA)*

15:00 – GERICS Toolkit: what do we need to apply it in São Paulo? *(Jörg Cortekar, GERICS)* **(remote presentation)**

**15:30 – Coffee break**

Session 6: Interdisciplinary projects – brainstorming session *(Chair: Martin Kohler/Cathrin Zengerling)*

16:00 – Re-cap of discussions and consequences for the future of Klimapolis

16:15 - Brainstorming Session: generating ideas

17:00 - Brief comments and prioritizing ideas

17:15 - Next steps for Klimapolis

17:45 - Concluding discussion

**18:00 – End of day**

**Day 4 – Friday (24 May 2019) – Afternoon only**

Session 7: Klimapolis Laboratory Launch *(Chair: Tercio Ambrizzi)*

13:30 – Klimapolis Laboratory Inaugural Lectures

* Paulo Artaxo (IF-USP, Brazil): *Urban impacts on global climate: the local, regional and global aspects of climate change*
* Cathrin Zengerling (HafenCity University Hamburg, Germany): *Science for accountable urban governance*

14:30 – Round Table:

Mediator: Dr. Patricia Pinho (UNDP)

* Prof. Dr. Paulo Artaxo *(IF-USP, Brazil)*
* Dr. Cathrin Zengerling *(HafenCity Univeristy Hamburg, Germany)*
* Prof. Dr. Anita Engels *(University of Hamburg, Germany)*
* Prof. Dr. Fatima Andrade *(IAG-USP, Brazil)*

**15:30 – Coffee break**

16:00 – Round Table – *A colaboração entre o poder publico e as univerisdades nas tomadas de decisão*

Mediadora: Profa. Dra. Ana Paula Koury

* Mr. Fernando Barrancos Chucre *(Secretário Municipal de Desenvolvimento Urbano)* ***(TBC)***
* Mr. Gilmar Souza Santos *(Subprefeitura Itaim Paulista)*
* Profa. Dra. Denise Campos *(Reitora Universidade São Judas)* ***(TBC)***
* Prof. Dr. Pedro Jacobi *(IEE-USP)*

17:00 – Launch of the Klimapolis Laboratory

* Guy Brasseur *(MPI-M, Germany)* **(remote participation)**
* Pedro Dias *(IAG-USP, Brazil)*
* Anita Engels *(University of Hamburg, Germany)*
* Tercio Ambrizzi *(IAG-USP, Brazil)*

**17:30 – End of Workshop**