LandCover6k Launching Workshop
PARIS, February 18th-20th 2015

LOCEAN Laboratory of Oceanography and Climatology, Experimentation and Numerical Approaches, University Pierre et Marie Curie, 4 Place Jussieu, 75005 Paris, France

Organised by Marie-José Gaillard, coordinator of LandCover6k and Anne-Marie Lézine (coordinator of LandCover6k Africa)

PROGRAMME

Wednesday February 18th

Morning: arrivals, registration from 11.00

There will be coffee, juice and cakes ("viennooiseries") – Please arrange your lunch youself

Start of the workshop: 13.30

Afternoon session: Chair Kathleen Morrison (University of Chicago, USA)

13.30-14.00 Introduction (Anne-Marie Lézine, Thorsten Kiefer (PAGES Executive Director), Marie-José Gaillard)

14.00-14.30 Sandy Harrison (Reading University, UK): Mid Holocene Simulations in CMIP 5: what's wrong with the land-surface feedback?

Julia Nabel (Max Planck Institute, Hamburg, Germany): Ongoing climate modelling projects at the Max Planck Institute, Hamburg

10 minutes discussion

14.30-15.00 Basil A. S. Davis (University of Lausanne, Switzerland): Pollen-based quantitative reconstruction of tree cover for Europe over the Holocene

Ralph Fyfe (University of Plymouth, UK): A pseudobiomization approach for pollen-inferred Holocene land-cover change across Europe

10 minutes discussion

15.00-15.30 Break
15.30-16.10 Jack Williams (University of Wisconsin, USA): Building settlement-era forest dataset and Bayesian hierarchical models for pollen-based paleovegetation reconstruction

Shinya Sugita (University of Tallinn, Estonia): The Landscape Reconstruction Algorithm and its applications for estimating past land cover: the current status

10 minutes discussion

16.10-16.50 Thomas Giesecke (University of Goettingen, Germany): State of the European Pollen Database

Anne-Marie Lézine (University Pierre et Marie Curie, France): State of the African Pollen Database

Ulrike Herzschuh (Alfred Wegener Institute, Potsdam, Germany): Towards a Chinese Pollen Database

10 minutes discussion

16.50-17.20 Kees Klein Goldewijk (University of Utrecht): State of the HYDE Database

Jed Kaplan (University of Lausanne, Switzerland): Modelling global anthropogenic land-cover change in the preindustrial Holocene

10 minutes discussion

17.20-17.40 Short break

17.40-18.10 Mats Widgren (University of Stockholm, Sweden): A global map of agricultural systems during the last thousand years

Peter Verburg (VU University of Amsterdam, The Netherlands): Using data to improve model-based reconstruction of land use change during the past 100 years in Europe

10 minutes discussion

18.10-18.30 Boris Vannière (University of Franche-Comté, France): 7000 years of human legacy of elevation-dependent European fire regimes

5 minutes discussion

Evening meal organised individually (Note: NOT organised and NOT paid by the workshop organisers)
Thursday February 19th

Start: 8.30

Morning session: Chair Hikaru Takahara (Kyoto Prefectural University, Japan)

8.30-9.10 Umberto Lombardo (Bern University, Switzerland): 10k years of human-environment interactions in southern Amazonia

Bronwen Whitney (Northumbria University, USA): Simulating Pre-Columbian clearances in Amazonian forest: a work in progress

10 minutes discussion

9.10-10.05 Rob Marchant (University of York, UK): Palaeoecological synthesis and model developments in East Africa

Nzabandora Chantal Kabonyi (Université Officielle de Bukavu, R.D.Congo, Africa): A summary of the climatic and human-induced vegetation changes of Kivu and Rwanda

Anne-Marie-Lézine (University Pierre et Marie Curie, Paris, France) and Marie-José Gaillard (Linnaeus University, Kalmar, Sweden): Holocene anthropogenic landscape development in Cameroon and first land-cover reconstructions

10 minutes discussion

10.05-10.35 Break NOTE: Look at posters!

10.35-11.30 Naoko Sasaki (Kyoto Prefectural University, Japan): Setting up of the Japanese pollen database: palaeo-ecological data from archaeological sites from Lake Biwa region

Anupama Krishnamurthy (French Institute, Pondicherry, India): The status of land-cover changes in peninsular (tropical) India during the past ~ 6000yrs: an appraisal of (pollen) data availability in the south Asian regional context

Qinghai Xu (Hebei Normal University, Shijiazhuang, China), Marie-José Gaillard (Linnaeus University, Kalmar, Sweden) and Ulrike Herzschuh (Alfred Wegener Institute, Potsdam, Germany): Pollen productivity estimates and land-cover reconstructions in China

10 minutes discussion

11.30-12.30 Plenum discussion (Chair Marie-José Gaillard) – General discussion on “the Science” of LandCover6k

12.30-13.30 Lunch
13.30-14.30  **Plenum discussion** (*Chair Marie-José Gaillard*) – Continue General discussion on “the Science” of LandCover6k, and organization of the work in groups

14.30-16.30  **Discussions in groups** (*one Chair per group/region of the globe, Asia, Europe, Africa, America*) – The “regional Science” of LandCover6k, how to reach the goal?

*Break included (from 15.00, at your convenience)*

16.30-18.00  **Plenum** (*Chair Sandy Harrison*) - **Reports back** from group discussions and further discussion; introduction to Friday’s work (*Marie-José Gaillard*)

19.00 -  **Buffet for everybody!**

**Friday February 20th**

**Start: 8.30**

8.30-9.00  **Plenum** (*Chair Thorsten Kiefer*) – General global organization and time plan of LandCover6k, tasks, milestones and meetings/workshops

9.00-11.00  **Discussions in groups** (*one Chair per group/region of the globe, Asia, Europe, Africa, America*) – General regional organization and time plan, tasks, milestones and meetings/workshops

*Break included (from 10.00, at your convenience)*  **NOTE:** Look at posters!

11.00-12.00  **Plenum** (*Chair Boris Vannière*) - **Reports back** from group discussions and further discussion

12.00-12.30  Conclusions, wrapping up, farewell (*Marie-José Gaillard*)

**NOTE:** See list of posters on next page

Marie-José Gaillard, Professor

Coordinator of the IGBP PAGES LandCover6k working group  [http://www.pages-igbp.org/workinggroups/landcover6k](http://www.pages-igbp.org/workinggroups/landcover6k)

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POSTERS

Kumar Akhilesh (Sharma Centre for Heritage Education, Maharashtra, India): Prehistoric Landscapes of the southeast coast of India: Perspectives on Pleistocene and Early Holocene research and suggested future directions (1)

William E. Doolittle (University of Texas, USA): Latourian landscapes of Pre-Colonial America (2)

Angelica Feurdean (Biodiversity and Climate Research Centre, Frankfurt, Germany): Land-cover change in Transylvania (3)

Sonia Fontana (Dpt. of Palynol. and Clim. Dynamics, University of Goettingen, Germany): Towards quantitative vegetation reconstructions in South America (4)

Thomas Foster (Dpt. of Anthropology, University of Tulsa, USA): Anthropogenic effects on forests by Native Americans (5)

Ryoma Hayashi (Lake Biwa Museum, Shiga, Japan): Summary of pollen production monitoring in Japan (6)

Ulrike Herzschuh (Alfred Wegener Institute, Potsdam, Germany): Partitioning human and climate drivers of forest cover change in eastern continental Asia during the last 22 ka (7)

Nzabandora Chantal Kabonyi (Université Officielle de Bukavu (R.D.Congo), Africa): A summary of the climatic and human-induced vegetation changes of Kivu and Rwanda (8)

Mari Kuoppamaa (Arctic Centre, University of Lapland, Rovaniemi, Finland): Towards PPEs and regional vegetation estimates from the west siberian arctic tundra (9)

Florence Mazier (GEODE, University of Toulouse, France): Quantitative reconstruction of vegetation in mountainous areas, potential and limits (10)

T. Rathnasiri Premathilake (Postgraduate Institute of Archaeology, University of Kelaniya, Sri Lanka): Palaeoecology and Archaeobotany in Sri Lanka and other south Asian tropics during the past c. 6000 yrs: an evaluation of land-cover change in the regional context and the need for quantification (11)

Parminder S. Ranhotra (Birbal Sahni Institute of Palaeobotany, Lucknow, India): The status of land-cover changes in the Himalayan region during the past c. 6000yrs: how can quantification help? (12)

Franck Sirocko (Institute for Geoscience, University Mainz, Germany): Vegetation change in Central Europe during Roman Time and Migration Period; Landscape Evolution Zones: an alternative to the classical pollen zonation (13)

Martina Stebich (Senckenberg Research Station for Quat. Palaeontology,Weimar, Germany): Holocene monsoon and vegetation changes – perspectives from India and Northeast-China (14)

Silvina Stutz (Lab. Paleoecolonia y Palinología, Mar del Plata, Argentina): Last 6KY evolution of Pampa plain shallow lakes, southeareast part of South America. Paleoenvironmental and paleoclimatic Inferences (15)

Hikaru Takahara (Kyoto Prefectural University, Japan): Holocene vegetation changes in Japanese Islands and Russian Far East (16)

Pavel Tarasov (Institute of Geological Sciences, Freie Universität Berlin, Germany): Title comes later (17)

Zsolt Pinke (Department of Modern History, University of Pécs, Pécs, Hungary; Department of Landscape Ecology and Environmental Protection, Szent István University, Gödöllő, Hungary): Changes of land cover and settlement pattern in floodplain landscape during the last 1000 years (18)