



## LandCover6k Launching Workshop PARIS, February 18<sup>th</sup>-20<sup>th</sup> 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 18<sup>th</sup>

Morning: arrivals, registration from 11.00

*There will be coffee, juice and cakes (“viennoiseries”) – Please arrange your lunch yourself*

#### 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 Vanni ere (University of Franche-Comt e, France): *7000 years of human legacy of elevation-dependant European fire regimes*

**5 minutes discussion**

*Evening meal organised individually (Note: NOT organised and NOT paid by the workshop organisers)*

**Thursday February 19<sup>th</sup>****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 LandCover6k12.30-13.30 *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>



## 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) *Paleoecology 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. Paleocología y Palinología, Mar del Plata, Argentina): *Last 6KY evolution of Pampa plain shallow lakes, southerneast 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)*