

Program

Sunday May 3, 2009

8.00 – 18.00 Field trip

20.00 Social event

Monday May 4, 2009

9.00 – 9.30 Registration

9.30 – 9.40 Introduction and Welcome

9.40 – 10.20 **Keynote: Pyrogenic Organic Matter In Soil – Its Origin, Chemistry And Significance For Pedogenic Processes**

Heike Knicker

Black Soils and Black Sediments in the Tropics

10.20-10.50 **Black soils along the slopes of Mt. Kilimanjaro: Their potential for the reconstruction of the Late Quaternary environment**

Zech, W., Hörold, C., Leiber, K., Behling, H., Hemp, A., Zech, M. and Zech, R.

10.50-11.20 Coffee break

11.20-11.50 **Ancient manuring of Amazonian Dark Earths as assessed by molecular markers**

J.J. Birk, E.G. Neves, W.G. Teixeira, L. Sauheitl, H. Coban and B. Glaser

11.50-12.20 **Correlation Between the Soil Classification Brazilian System (2006), WRB (ISSSWG RB, 2006) and Soil Taxonomy (USDA, 1999) of Indian Dark Earth Of Western Amazonia**

R. Santana Macedo; W. Geraldes Teixeira; G. Coimbra Martins; H. Narciso Lima; A. Costa Gil de Souza and O. Cubas Encinas

12.20-14.00 Lunch break

Black Soils and Black Sediments in context of archaeological sites

14.00-14.30	Black Soils and Sediments Beside Brown Calcic Luvisols - A Pedological Description of a New Neolithic Ring Ditch in Stephansposching, Eastern Bavaria, Germany M. Leopold, J. Völkel and K. Schmotz
14.30 – 15.00	Chernozemic soils in the Rhineland as relics of prehistoric agriculture R. Gerlach and E. Eckmeier
15.00-15.30	Coffee break
15.30-16.00	Black Soils in Saxony C. Tinapp
16.00 – 16.30	Sequence of Black Soils in the environment of archaeological sites in Central Germany and SE Poland C. Lorz, B. Glaser and T. Saile
19.00	Social event

Tuesday May 5, 2009

Black Soils and Sediments in the Mediterranean

9.00 – 9.30	Anthropogenic deposits from the Bronze Age site of Fondo Paviani (Verona, Italy): pedochemical and micropedological characters. C. Nicosia, C. Balista, M. Capitò, G. Leopardi, S. Nardi and M. Vidale
9.30 - 10.00	Contribution and quantification of Black Carbon along the Guadiana River Banks (SW-Spain) J. M. de la Rosa, J. A. González-Pérez, F.J. González-Vila & H. Knicker
10.00-10.30	Coffee break

Methods

- 10.30 - 11.00 **Bio-Char formation is a key pedogenetic process in Mollisols**
B. Glaser
- 11.00-11.30 **Black carbon decomposition and incorporation into soil microbial biomass estimated by ¹⁴C labeling**
Y. Kuzyakov, I. Subbotina, H. Chen, I. Bogomolova and X. Xu
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- 11.30-12.15 Quick Lunch Break
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- 12.15-12.45 **Mechanisms of SOM stabilization in Chernozems and Vertisols – A review**
M. Dippold and Y. Kuzyakov
- 12.45-13.15 **Multi-method analyses of soil carbon in Central Amazon soil samples from A anthropic horizons of Amazonian Dark Earths and soils to which fresh carbon was added**
W.G. Teixeira, W.I. Woods, C. Steiner, O. Cubas, R. Santana Macedo
- 13.15-13.45 Resume

Poster

Terra Preta: politics, science and international relations in the Amazon History: the Brazilian case

J. Bezerra

Late Quaternary landscape and soil evolution in Buryatia (Russia) under special consideration of soils with darkgrey and black horizons

D. B. Andreeva , G.D.Chimitdorzhieva and W. Zech

Microbial biomass and its growth kinetics in Chernozems under different land use

I. Bogomolova

Black soils in the Saxonian loess region

Wolf and Faust

BC in Fly Ash influenced Soils of Central Germany

L. Koschke, C. Fürst, B. Glaser, C. Lorz and F. Makeschin

Black soils and/or sediments at the western border of the Nördlinger Ries (South Germany)

S. Mailänder, J. Eberle and W. D. Blümel