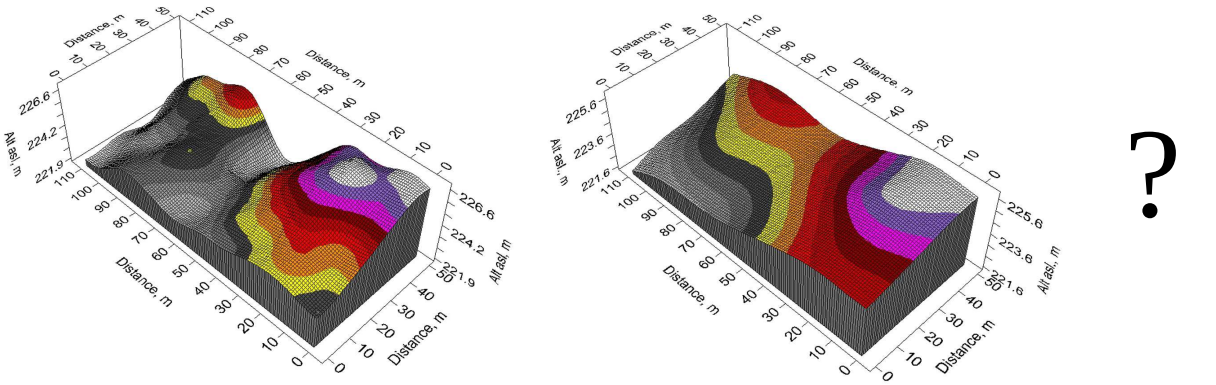

We are looking for experienced researchers interested in a 2 year post-doc position funded by a Marie Curie fellowship (IEF or IIF). The candidate is asked to write a Marie Curie proposal in collaboration with us to undertake research on one of the following topics:

**Evolution of loess landscape under agricultural land use**

Knowledge of bases of geomorphology, pedology, geostatistical analysis and modeling is required.

We would like to carry out comparative studies of loess landscape not affected by agriculture (under forest) with a similar area remaining under long term of agricultural use. The basis of comparison will be the analysis of pedon structure and soil properties. The crucial issues concern: (1) how much the pedon structure was altered by land use, and (2) evaluation of landscape development in rural areas with the use of modeling approach.

**PAST** **PRESENT** **FUTURE**




Topography of field on loess plateau (past relief derived from reconstruction of pedons)

The candidate will have a PhD or at least four years of full-time equivalent experience in the research areas. He/she is interested in interacting with an international team and in communicating with our scientific collaborators. To complete a successful application, the candidate has proven his/her scientific excellence by multiple peer-reviewed publications in leading professional journals.

The deadline for applications to IA PAS is May 31st, 2012. Further information on EU-funded Marie Curie actions is available at: http://cordis.europa.eu/fp7/mariecurieactions/

If this opportunity appeals to you, please send your full CV and covering letter to:

Assoc. Prof. Jerzy Rejman
Department of Soil and Plant System
Institute of Agrophysics Polish Academy of Sciences in Lublin
e-mail: j.rejman@ipan.lublin.pl
keywords: Marie Curie fellowship

Research Lab of Soil Improving: http://skr.ipan.lublin.pl/pug_en.html
Research profile: Evaluation of use of organic amendments applied in soil remediation with particular emphasize on quality of surface and drainage outflow of water. Studies are carried out in the laboratory equipped with a rainfall simulator and flumes of perforated bottom. During rainfall simulation on flumes with soil and various amendments, samples of surface and drainage water and sediment are collected. Quality of water is determined by photometric analyzer.