

## PERSONAL INFORMATION

## Dr. Endre Dobos



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Sex Male | Date of birth 24/09/1968 | Nationality Hungarian

## WORK EXPERIENCE

- 2009- **Department head, Associate Professor**  
University of Miskolc, Institute of Geography and Geoinformatics, Dept. of Physical Geography and Environmental Sciences, Miskolc-Egyetemváros, 3515, Hungary  
▪ Teaching and research  
[Higher Education](#)
- 2001-2009 **Associate Professor**  
University of Miskolc, Institute of Geography, Dept. of Physical Geography and Environmental Sciences, Miskolc-Egyetemváros, 3515, Hungary  
▪ Teaching and research  
[Higher Education](#)
- 1993-2001 **Assistant Professor**  
University of Miskolc, Dept. of Geography and Environmental Sciences, Miskolc-Egyetemváros, 3515, Hungary  
▪ Teaching and research  
[Higher Education](#)
- 1993-1995 **Organizer Secretary**  
Holocén NGO, 13. Kossuth u. Miskolc, 3525. Hungary  
▪ Program manager  
[Civil organization for environmental protection](#)

## EDUCATION AND TRAINING

- 1993-1998 **Ph.D. Degree** Replace with EQF (or other) level if relevant  
Purdue University, Indiana, USA  
▪ Soil science, Digital soil mapping
- 1994-1996 **MSc. Degree** Replace with EQF (or other) level if relevant

Technical University of Budapest, Hungary

- GIS and environmental surveying

1988-1993 **MSc. Degree**

Replace with EQF  
(or other) level if  
relevant

Gödöllő Agricultural University, Gödöllő, Hungary

- Agricultural engineer

PERSONAL SKILLS

Mother tongue(s) Hungarian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C	C	C	C	C
	Replace with name of language certificate. Enter level if known.				
Russian	A	A	A	A	A
	Replace with name of language certificate. Enter level if known.				

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user  
Common European Framework of Reference for Languages

Organisational / managerial skills ▪ leadership (currently responsible for a team of 10 people, and managed several international projects)

Computer skills ▪ good command of Microsoft Office™ tools, professional in GIS software

Other skills ▪ Ice hockey goalie and flat water canoeing

Driving licence ▪ B

ADDITIONAL INFORMATION

- Projects**
- Development of a European scale and southern European Soil Database based on Remotely Sensed and Digital Terrain data
  - Cross border harmonization of soil databases
  - Hungarian SOTER and (USA) Mid-west SOTER database development
  - Study of small scale terrain attributes relevant for soil mapping, (Potential Drainage Density Index development).
  - GIS-based soil mapping with the use of DEM and remotely sensed data
  - Environmental impact assessment studies
  - European Union Framework 5 "Iron curtain" QLK5-CT2001-01401 project
  - European Union Framework 6 "Envasso" 022713, (development a soil indicator list for EU soil monitoring)
  - European Union Framework 7 "e-SOTER" 211578 (developing a quantitative procedure for SOTER database development)
  - e-contentPlus - GS-Soil, (Assessment and strategic development of INSPIRE compliant Geodata-Services for European Soil Data.) Grant Agreement Number: ECP-2008-GEO-318004
  - INTERREG III-A Slovakian-Hungarian joint regional development, GIS database development and landuse optimization (cross-border database development using DSM and data harmonization procedure)
  - International Visegrad Fund's Strategic Grant No. 31210072, Validation of the Central European soil database
  - HUSK 1001/2.1.2/2009 FLOODLOG. Flood modelling and logistic model development for flood crisis management
  - FLOODRESC, Logistic support system for flood crisis management in the Hernád/ Hornád catchment, INTERREG, SKHU/1601/4.1/187,
  - GROW Observatory, Demonstrating the concept of 'Citizen Observatories' by developing a citizen observatory network on soil and soil moisture to support the sustainable use of the soil resources – Grant agr. No.: 690199-2, Horizon 2020.
- Honours and awards**
- Soil and Land award. GROW Observatory Project, European Landowners Association, EC DG Environment, Joint Research Centre
  - Award of excellence. 1st International Soil Judging Contest, 20th World Congress of Soil Science. 2014. June 5-7. Jeju Korea
  - Outstanding Researcher of the University of Miskolc (2014)
  - Pamutná plaketa. Vysoka Skola Bezpečnostného Manazertstva v Kosiciach, Kassa, 2012
  - Visiting Scientist, European Commission, Joint Research Center, Ispra, Italy, September, 2004-February, 2005
  - Visiting Scientist, European Commission, Joint Research Center, Ispra, Italy, June, 2003- Sept. 2003.
  - Bolyai Research Fellowship (2001-2004), Excellent qualification
  - OECD scientific research fellowship. USGS EROS Data Centre, Purdue University, USA, December, 1999 - may, 2000
  - Soil database development, Purdue University, USA, PhD research assistantship (1996-1998)
- Memberships**
- Chair of Soil Genesis Commission of the International Union of Soil Sciences (IUSS) 2018-
  - Chair of the "Soil genetics and mapping" division of the Hungarian Soil Science Society (2014- )
  - Vice chair of the Geoinformatics Section of the Geoscience Division of the Hungarian Academy of Sciences
  - Scientific committee member, European representative of the GlobalSoilMap.net
  - Steering Committee member of the European Soil Bureau Network (2007-2011)
  - Digital Soil Mapping working Group of the European Soil Bureau Network, chairman (2004- )
  - World Congress of Soil Science, Philadelphia, USA, Pedometrics section chair and organizer (2002-2006)
  - Eurosoil, "Pedometrics and Digital Mapping" symposium chair and organizer (2005-2008)
  - Soil Science Society, division of Soil genetics and mapping, member of the leading board (2000- )
  - International Society of Soil Science (1998- )
  - National Geographic Society of Hungary (1997- )
  - B.A.Z. county association of the Hungarian Academy of Sciences, division of Mining and Environmental protection. (1999- )
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### List of 5 relevant publications

1. Dobos E, Hengl, T. 2009. Soil mapping applications. In: Hengl T. & Hannes R. Geomorphometry. Concepts, Software, Applications. Developments in Soil Science, Vol. 33. Elsevier. The Netherlands. ISBN: 978-0-12-374345-9. pp. 461-479.
2. Dobos, E. Bialkó, T. Micheli, E. and J. Kobza, 2010. Legacy data harmonization and database development. In: Boettinger, J.L.; Howell, D.W.; Moore, A.C.; Hartemink, A.E.; Kienast-Brown, S. (Eds.), 2010. Digital soil Mapping. Bridging Research, Environmental Application, and Operation. Progress in Soil Science. Springer. ISBN: 978-90-481-8862-8
3. Dobos, E., Vadnai, P. Bertóti, D., Kovács, K. Micheli, E., Láng, V., Fuchs M. 2014. A novel approach for validating raster datasets with categorical data. Arrouays et al. (eds) GlobalSoilMap. A basis of the global spatial soil information system. CRC Press. Taylor & Francis Group. London UK. pp. 347-353.
4. Dobos, E., L. Montanarella. 2007. The development of a quantitative procedure for soilscape delineation using digital elevation data for Europe. In: Lagacherie et al. 2007. Digital soil mapping: An introductory perspective. Development in Soil Science. Vol 31. Elsevier The Netherlands. Pp. 107-119
5. Dobos E., Micheli E. M.F. Baumgardner, Larry Biehl, Todd Helt, 2000. Use of combined digital elevation model and satellite radiometric data for regional soil mapping. Geoderma. 97:367-391.

### List of 5 relevant products, services

SEVENTH FRAMEWORK PROGRAMME, Development of a Global Soil Observing System e-SOTER. Project number Regional pilot platform as EU contribution to a Global Soil Observing System. Project No.: 211578

1. The internationally approved soil mapping procedure by the FAO – Global Soil Partnership – e-SOTER procedure
2. Procedure to develop the 1:1 M scale SOTER geometric databases of the terrain units for the windows of Europe, Morocco and S-China. Development of a landform and parent material platform methodology (WP1)
3. e-SOTER database for the Central European pilot window
4. A soil data base for the 1:1 million scale windows (WP2)

The development of a quantitative procedure for soilscape delineation using digital elevation data for Europe, JRC, Ispra, 2006  
The population of a 500-m resolution soil organic matter spatial information system for Hungary. JRC, Ispra, 2006