



Balázs Duray



europass

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4, Rokka street, HUN-5600, Békéscsaba, Hungary

WORK EXPERIENCE

01/01/2006 – 30/09/2006

RESEARCH ASSISTANT – INSTITUTE OF ENVIRONMENTAL SCIENCES, UNIVERSITY OF WESTERN HUNGARY

Research on the EU FP6 Integrated Project Priority Area 1.1.6.3 "Global Change and Ecosystems": SENSOR:Sustainability Impact Assessment:

Tools for Environmental, Social and Economic Effects of Multifunctional Land Use in European Regions

Sopron, Hungary

01/09/2009 – 31/12/2020

ASSOCIATE PROFESSOR – SZENT ISTVÁN UNIVERSITY, AGRICULTURAL AND ECONOMIC SCIENCES TESSEDIC CAMPUS

Teaching, research .

Research agenda is to explore the effects of climate change into land use change (LUCC). Modelling land use change. Graduate courses: rural development, spatial planning, spatial development, economy geography

Szarvas, Hungary

01/09/2003 – 31/12/2011

SENIOR RESEARCH FELLOW – HUNGARIAN ACADEMY OF SCIENCES, CENTRE FOR REGIONAL STUDIES

Research on urban environmental problems and urban ecology, research on landscape planning and landscape ecology, participation in programming projects regarding regional development, local agendas

Békéscsaba, Hungary

01/06/2011 – 30/11/2011 – Budapest, Hungary

EVALUATOR INTERREG HURO1001 – VÁTI NONPROFIT KFT.

Evaluation of applications (INTERREG HURO1001)

01/01/2012 – 07/08/2013

SENIOR RESEARCH FELLOW – HUNGARIAN ACADEMY OF SCIENCES, CENTRE FOR ECONOMIC AND REGIONAL STUDIES, REGIONAL RESEARCH INSTITUT

Managerial tasks, institutional management topics, publishing, participation in the preparation of different types of plans and reports of the Institution; lectures on environmental issues in national and international meetings; obtain foreign fellowships and study tours; submission of tenders.

Békéscsaba, Hungary

04/10/2016 – CURRENT – Budapest, Hungary

STATE PROJECT EVALUATOR – PRIME MINISTER'S OFFICE

Assessment areas: earth sciences, environmental sciences, multidisciplinary social sciences, multidisciplinary agricultural sciences



01/04/2021 – CURRENT – Szeged, Hungary
ASSOCIATE PROFESSOR – SZEGED UNIVERSITY

Courses taught and teaching: Rural development, environmental policy, geoinformatics, drone use, regional economics
Main research topics:

1. Establish a comprehensive capacity to monitor short and long-term drivers of change and impacts on agriculture in key areas;
2. Better informed policies and strategies for climate change mitigation and adaptation;
6. Modelling the impacts of shocks for use in policy relevant areas to improve the resilience of the agri-food sector.
7. Develop participatory case study strategies to promote resilience at different geographical scales, short and long term.

● EDUCATION AND TRAINING

01/09/1996 – 30/06/2001 – Szeged, Hungary
MSC GEOGRAPHER, ENVIRONMENTAL RESEARCHER – University of Szeged, Department of Physical Geography (University)

Landscape ecology, remote sensing, environmental assessment, climatology, mineralogy, spatial planning and development etc.

EQF level 7

01/09/2003 – 30/06/2006 – Szeged, Hungary
PHD EARTH SCIENCES/GEOECOLOGY – University of Szeged, Department of Climatology and Landscape Ecology (University)

Landscape ecology, landscape planning, landscape history, remote sensing, urban climatology, urban ecology etc.

EQF level 8

16/05/2015 – 05/09/2015 – Szerb u. 17-19., Budapest, Hungary
URBAN CLIMATE ADAPTATION EXPERT – Energiaklub Climate Policy Institute and Applied Communications

<https://energiaklub.hu/en>

30/08/2021 – 13/09/2021 – Fő u. 44-50., Budapest, Hungary
REMOTE PILOT – Ministry for Innovation and Technology

<https://kormany.hu/innovacios-es-technologiai-miniszterium>

● AREAS OF EXPERTISE

31/12/2010 – CURRENT
Landscape protection (SZTJV), Geological natural values and cave values in specialised fields (SZTV)

(pursuant to Article 9(1) of Government Decree No 297/2009 (XII.21.), registration number: sz-099/2010)

● ORGANISATIONAL SKILLS

Organisational skills

1. Good management skills gained through my experience as head of department
2. Leadership;
3. Sense of organisation (experience in research management);
4. Good experience in project or team management
5. Community development



LANGUAGE SKILLS

Mother tongue(s): **HUNGARIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	B2	B2	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

Analyze Data Using SPSS

Remote sensing

SNAP | Good experience in spatial analysis (QGIS) | ESRI Arcmap | DroneDeploy | QGIS - Quantum GIS | Geographical Information Systems (GIS) | ERDAS Imagine

Design and media

Adobe Desing | Adobe photoshop | Video editing (Windows Video Maker Filmora Wondershare)

COMMUNICATION AND INTERPERSONAL SKILLS

Communication and interpersonal skills

Good communication skills gained through my experience as lecturer in university

PROJECTS

Spatial planning, AGENDA 21s, Strategies

1. Environmental Protection Programme of the City of Békéscsaba, 2002
2. Development concept of the Körösök Valley Nature Park, 2004 (project leader)
3. integrated concept and programme for land development, rural development and environmental management in the Tisza region (Further Development of the Vásárhely Plan, VTT II), 2004
4. Urban Development Concept of the City of Békéscsaba, 2005
5. Concept and Programme of the Danube-Körös-Maros-Tisza Euroregion, 2005
6. Review of the Development Concept of the Southern Great Plain Region and proposals for the Operational Programme Block, 2005
7. Urban Development Concept and Strategy of the City of Békéscsaba, 2005
8. Development Concept of Csongrád County, 2007
9. Integrated Urban Development Strategy of the City of Békés, 2008
10. Integrated Urban Development Strategy of the City of Mezőberény, 2010
11. Preservation and further development of the ecological stability of the Körös Valley, 2010 (project leader)
12. Regional Development Concept of Békés County, 2013
13. Körösök Valley Nature Park Development Concept and Strategy, 2013 (project leader)
14. Modern Cities Programme: Establishment of a Knowledge and Training Centre for the Printing Industry in Békéscsaba. Detailed Feasibility Study, 2018 (project leader)
15. Mezőberény Sustainable Development Programme Local Agenda 21 Review Document, 2019 (project leader)
16. Climate Protection Strategy of the City of Békés, 2021 (project leader)



PROJECTS

Research programs

1. Establishment of a Hungarian-Serbian information and documentation centre for spatial development INTERREG IIIA-HUROSCG0501/095/M/2.4/HU, 2005
2. Environmental Policy and Institutions in the Carpathian Basin (OTKA 2005-2008)
3. Research on the EU FP6 Integrated Project Priority Area 1.1.6.3 "Global Change and Ecosystems": SENSOR:Sustainability Impact Assessment: Tools for Environmental, Social and Economic Effects of Multifunctional Land Use in European Regions, 2006
4. Integrated revitalization of historic towns to promote a polycentric and sustainable development (INTERREG III. B CADSES Neighbourhood Programme "Hist.Urban", 5D201), 2006
5. Sustainable development as a horizontal principle in the Regional Operational Programme (Theme Leader, contracted by the National Agency for Development), 2007
6. Feasibility study on renewable energies and their potential for utilisation in the Southern Great Plain region, 2007
7. Definition of tasks in spatial and urban development and planning arising from sustainable urban development, especially with regard to new challenges of nature (climate change and energy price explosion etc.), 2008
8. Spatial dimensions of the green economy (Theme leader), 2010
9. UNIREG IMPULSE: Regional Universities as Generators of a Transnational knowledge region (Hungary-Croatia IPA CBC Programme) HUHR/0901/2.1.3/0001, 2011
10. HURO/0901/238/1.3.4: "Environmental Inventory and Action Programme of the White, Black and Double Red Rivers (CRISKÖR)" - Theme Leader, Project Manager Hungary-Romania Cross-border Cooperation Programme 2007-2013, 2012
11. Climate Change and Rural Development - The Impact of Global Warming on Land and Land Use Change, Agricultural Landscape and Development Policy Nexus (MTA-MNVH/NAKVI), 2013 (Theme Leader)
12. Development of a Cross-Border Protected Areas Resource Centre, X-PARC - Cross-border Cooperation Programme Hungary-Romania 2007-2013. 12-9-689/2012.
13. Development of basic research at the Pyrolysis Technology Research Centre of Szent István University, TÁMOP-4.2.2.A-11/1/KONV-2012-0015, 2013- (Pyrolysis-based "green-area development" model)
14. Agricultural engineers of the future in water management, TÁMOP-4.1.1.C-12/1/KONV-2012-0016, technical implementer (establishment of a college, development of e-learning curricula)
15. Establishment of interdisciplinary international research teams in Békés county, TÁMOP-4.2.2.D-15/1/KONV-2015-0011, project manager; professional implementer (Agricultural water management research group)
16. Knowledge Park for the development of high added-value industries in Békéscsaba, TÁMOP 4.2.1.C-14/1/KONV-2015-0002, 2015
17. Development of a Cross-Border Inclusive Space and Knowledge Center - X-PARC 2.0 ROHU-158, Hungary-Romania Cross-border Cooperation Programme 2014-2020
18. Hungary-Romania Cross-border Cooperation Programme 2014-2020 The Nature Corner - Protection and development of natural values of the Nagyszalonta - Békéscsaba border area ROHU-14

PUBLICATIONS

Scientific publications

52 scientific publications (of which 8 scientific journal articles; 3 books; 14 book chapters, 16 conference papers); number of citations: 46

<https://goo.gl/sA7zk6>