



www.geokompleks.amu.edu.pl

Adam Mickiewicz
University in Poznań

www.esmeralda-project.eu

WHO WE ARE

- ★ We work in the **Department of Integrated Geography**, which is a part of Institute of Physical Geography and Environmental Planning at the Faculty of Geographical & Geological Sciences, at Adam Mickiewicz University in Poznań.
- ★ **Ecosystem services are one of our main research fields**, but we are also interested in **integrated geography** in the broader sense (studying of structure and functioning of natural and anthropogenic geocomplexes), **environmental management** and **landscape studies** combined with **spatial analysis and modeling** (mapping and analyzing of landscape structure and its changes using remote sensing data and GIS solutions).

OUR EXPERIENCE

- ★ Since 2010 we are an informal platform for researchers, administration and non-government communities who want to exchange their information and experiences in the ES topic. We organize, in biennial cycle, Polish National Symposium on **Ecosystem Services in Transdisciplinary Approach** (ECOSERV 2010, ECOSERV 2012 and ECOSERV 2014). They show an overview of research achievements in the field ES in our country. It is the only nationwide forum on this subject, which every time gathers several dozen researchers active and interesting on this field. The conference proceedings are published in English in the scientific journal Economics and Environment.

Our team is also engaged in:

- ★ **MAES**: The European Commission Working Group MAES (Mapping of ecosystems and Their Services in the EU and its Member States). Andrzej Mizgajski and Małgorzata Stępniewska are the authors of the concept of mapping and assessment ecosystem and their services for Poland;
- ★ **Urban MAES**: The Pilot on Mapping and Assessment on Urban Ecosystem in Europe as representants of the Adam Mickiewicz University and as a Member State partner;
- ★ **Urban Allotment Gardens in European Cities**: Andrzej Mizgajski as the Member of the Management Committee on behalf of the Poland and the Core Group Member of this COST Action;
- ★ The project on **ES in Integrated Environmental Monitoring Programme** in Poland.



Staff of the Department of Integrated Geography with Robert Costanza during National Symposium ECOSERV2012 in Poznań

WHAT WE DO IN ESMERALDA

- ★ We contribute to „Determination what the relevant stakeholders expect from ES mapping”, Identification of suitability existing ES maps in Poland for an implementation by policy makers and other stakeholders, Analyze of ES assessment for Poland regarding to the role of scaling, synergies or trade-offs, their shifting in time and space and as well reversibility, Testing of possibility to include a new data, indicators and processing methods for next generations of ES maps, and present the achieved results at conferences and in scientific papers.

WE ARE ALSO INVOLVED IN

the bilateral project “Urban sprawl vs. compact cities. An indicator based approach for evaluating ecosystem services. Poznan (Poland) and Salzburg (Austria) case studies as an empirical basis” (2015-2017).



**Andrzej
Mizgajski**

Professor of Earth sciences and the Head of The Department. Since 2013 an expert of the Polish Ministry of Environment for MAES, and Representative of the UE member states at the Steering Group of the European Commission Contract MESEU. In the years 2004-2006 He was Secretary of State (previously Undersecretary of State) at the Polish Ministry of Environment. He headed Environmental Department of Voivodship Office in Poznań in the years 1993-1999.



**Damian
Łowicki**

PhD, Adjunct professor. He is specialized in GIS-based quantitative techniques in landscape studies, especially in search for indicators characterizing the landscape services. The focus of his papers are on advanced GIS techniques and geostatistical methods, assessment of regulating landscape services relating to the biogens reduction, valuating of cultural services (e.g. parcels prices).



**Małgorzata
Stępniewska**

PhD, Adjunct professor. Since 2009 her research focus on MAES. She is also an expert in the project „Urban MAES for Poland”. Coordinator of the project covering ecosystem services in Integrated Environmental Monitoring Programme in Poland. As the Secretary of Organizing Committee and an active participant she plays important role at the national ECOSERV Symposium.



**Piotr
Lupa**

PhD student, specialized in spatial analysis and modeling based on GIS methods. His PhD thesis is related to quantification of ES at the local level and to the influence of the data analysis scale on the estimated size of ES. In the years 2012-2014 He participated in bilateral project „Transformation of urban green and open spaces in urban regions and its conditions. Comparative study Poznań and Salzburg”.