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European Regional Centre for Ecohydrology under auspices of UNESCO Polish Academy of Sciences

Education

- 2003 - Ph.D. in ecology, Department of Applied Ecology, Faculty of Biology and Earth Science, University of Lodz, Poland,
- 1996 - MSc in biology, Department of Experimental Zoology and Evolutionary Biology, Faculty of Biology and Earth Science, University of Lodz, Poland,
- 1994 – BSc in combined environmental sciences, University of Wolverhampton, England

Main research areas

- Landscape ecology
- Fish biodiversity
- Sustainability of freshwater ecosystems
- Socio-economic drivers of landscape transformation and biodiversity change

Professional experience:

- 2007 - present – Vice-Chair of European Long-Term Ecosystem Research Network (LTER Europe)
- 2007 - present – Representative of Central and Eastern Europe in Executive Committee of Global LTER Network (ILTER)
- 2007 - present – Member of ILTER Scientific Committee
- 2005-2007– Coordinator of FP6 NoE ALTER Net (A Long-Term Biodiversity, Ecosystem and Awareness Research Network) in Poland
- 2001-2007 Secretary of Polish LTER Network
- 2003-2004 Secretary of Section 5 “Water Ecosystems” of the Polish National Committee UNESCO “Man and Biosphere”

Scholarships and courses completed

- 2007: SWITCH Training on Process Documentation for Learning Alliances and Action Research, Lodz, Poland
- 2007: SWITCH training on Learning Alliance Development and Facilitation for Sustainable Water Resource Management in Cities. Lodz, Poland
- 2007: SWITCH training on „Stormwater management and the GIS tools for decision support systems tools in urban water management” Lodz, Poland
- 2007: ALTER Net Training Course “An introduction to Ecological-economic Modelling for Designing and Evaluating Biodiversity Conservation Policies and Strategies. Bad Schandau, Germany
- 2002: Advance Study Course on “Ecohydrology & Coastal Management: From Catchment To Coastal Areas” UNESCO, supported by the VNI, University of Algarve (Portugal),
- 1994: Practical and Field Methods in Hydrobiology. University of Ulster, Ireland
- 1993: TEMPUS Short Intensive Course in Environment Sciences - Ecology and Conservation. University Wolverhampton,UK; STOAS, Hertogenbosh, Holland

Research projects:

- LIFE08 ENV/IT/000399 „Ocena jakości środowiska i wpływających na nią czynników w Europie – sieć LTER jako zintegrowany system monitoringu ekosystemów” ENVEUROPE (2010-2013) – MEMBER OF COORDINATING COMMITTEE
- LIFE08 ENV/PL/000519, 2010-2014: “ECOTones for Reduction of non-point source pollution” - INVESTIGATOR
- FP6 018530-2, 2006-2011, “SWITCH - Sustainable Water Management Improves Tomorrow’s Cities’ Health” – INVESTIGATOR, MEMBER OF LEARNING ALLIANCE GROUP
- FP6 NoE ALTER-Net “A Long-Term Biodiversity, Ecosystem and Awareness Research Network”. Contact No: GOCE-CT-2003-505298 (2004-2009) – POLISH COORDINATOR
- Project of the Ministry of Foreign Affairs - 1280/2008/AD, 2008: “Ecohydrology – a transdisciplinary science for integrated water management and sustainable development in Ethiopia” – INVESTIGATOR
- International Cooperation in Education and Research Central, Eastern and South Eastern European Region, Polish-German Co-operation: “Integrated catchment management and risk- based resource allocation in urban and peri-urban areas” BMBF (2006-2007) – PRINCIPAL INVESTIGATOR
- COST Action FP0601: Forest Management and the Water Cycle FORMAN (2007-2010) - INVESTIGATOR
- EU FP6 SSA Integration4water: Initiative 4 Facilitating Integration of Research Potential from the New Member States, Associated Candidate Countries and Old Member States in the Area of Water Cycle Including Soil Related Issues of the FP6. Contact No: 415969 (GOCE) (2005-2006) – PRINCIPAL INVESTIGATOR
- NATO/CCMS Pilot Study: Use of Landscape Sciences for Environmental Assessment. Pilot Study of NATO Science for Peace and Security Programme (2001-2006) – PRINCIPAL INVESTIGATOR

Publications

- Haberl, H., Gaube, V., Díaz-Delgado, R., **Krauze**, K., Neuner, A., Peterseil, J., Plutzer, C., Singh, S., Vadineanu, A., 2009. Towards an integrated model of socioeconomic biodiversity drivers, pressures and impacts. A feasibility study based on three European long-term socio-ecological research platforms. *Ecol. Econ.*, 68(6): 1797-1812
- Mirtl M, **Krauze** K, Hammen V, Frenzel M. 2009. From FSN to LTER-Europe. W: Settele J, Penev L, Georgiev T, Grabau R, Grobelnik V, Hammen V, Klotz S, Kotarac M, Kühn I (eds.). Atlas of Biodiversity Risk. Pensoft Publishers, Sofia, Moscow. pp300
- Mirtl, M., Boamrane, M., Braat, L., Furman, E., **Krauze**, K., Frenzel, M., Gaube, V., Groner, E., Hester, A., Klotz, S., Los, W., Mautz, I., Peterseil, J., Richter, A., Schentz, H., Schleidt, K., Schmid, M., Sier, A., Stadler, J., Uhel, R., Wildenberg, M., Zacharias, S., 2009. LTER-Europe Design and Implementation Report – Enabling “Next Generation Ecological Science”: Report on the design and implementation phase of LTER-Europe under ALTER-Net & management plan 2009/2010, pp200
- Mirtl, M., **Krauze**, K., 2007. Developing a new strategy for environmental research, monitoring and management: The European Long-Term Ecological Research Network’s (LTER-Europe’s) role and perspectives. In: Chmielewski, T., **Krauze**, K., Furman, E., Flemming, S., (eds.) Nature conservation management: from idea to practical results. Akademia Rolnicza w Lublinie, Lublin.
- **Krauze**, K., Zawilski, M., Wagner I., 2007. Aquatic habitat rehabilitation: Goals, constraints and techniques. In: Breil, P., Marsalek, J., Wagner, I., Dogse P. (eds.) “Aquatic Habitats in Sustainable Urban Water Management: Science, Policy and Practice”. UNESCO, in press.
- Jones, K.B., **Krauze**, K., Muller, F., Zurlini, G., Petrosillo, I., Victorov, S., Lian Li, B. 2007. Landscape approaches to assess environmental security: summary, conclusions and recommendations. In: Petrosillo, I., Jones, B., Muller, F., Zurlini, G., **Krauze**, K., Victorov, S. (eds.). Use of landscape sciences for the assessment of environmental security. Springer-Verlag Publisher.
- **Krauze**, K., Wagner, I., 2007. An ecohydrological approach for the protection and enhancement of ecosystem services. In: Petrosillo, I., Jones, B., Muller, F., Zurlini, G., Krauze, K., Victorov, S. (ed.) Use of landscape sciences for the assessment of environmental security. Springer-Verlag Publishers.
- Ohl, C., **Krauze**, K., Grünbühel, C., 2007. Towards an understanding of long-term ecosystem dynamics by merging socio-economic and environmental research Criteria for long-term socio-ecological research sites selection. *Ecological Economics* 63:383 – 391.

- **Krauze**, K., 2004. Surveys and Assessment. LANDSCAPES- How to assess landscape impacts on water quality. In: Zalewski, M., Wagner-Lotkowska I. & Robarts R. D. [Eds]. Integrated Watershed Management-Ecohydrology & Phytotechnology- Manual. UNESCO -IHP, UNESCO - ROSTE, UNEP-IETC, International Centre for Ecology PAS, Dpt. of Applied Ecology University of Lodz, Venice Osaka, Shiga, Warsaw, Lodz; pp 210;
- **Krauze**, K., 2004. MANAGEMENT OF STREAMS & RIVERS- Restoration of vegetation: Increasing nutrient retention capacity and self-purification ability. In: Zalewski, M., Wagner-Lotkowska I. & Robarts R. D. [Eds]. Integrated Watershed Management-Ecohydrology & Phytotechnology- Manual. UNESCO -IHP, UNESCO - ROSTE, UNEP- IETC, International Centre for Ecology PAS, Dpt. of Applied Ecology University of Lodz, Venice Osaka, Shiga, Warsaw, Lodz; pp 210;
- **Krauze**, K. 2003. „Long-term dynamics of fish communities driven by changes in structure of river channels and valleys”. PhD Thesis. Department of Applied Ecology, Faculty of Biology and Earth Science, University of Lodz, Poland, 191pp.
- **Krauze**, K., Zalewski, M., 1998. Biodiversity conservation based on the mode of mechanisms regulating ecosystem functions. In: Zalewski, M. (ed.) UNESCO IHP-V Technical Documents in Ecohydrology No 14. Paris.