



Mateusz Grygoruk

Address: ul. Sarmacka 20 m 5, 02-972 Warsaw, Poland

Tel.: +48 606404121

E-mail: m.grygoruk@levis.sggw.pl

Date of birth: 7th June 1983

Married, 1 child

Curriculum vitae

Employment

- Since 02.2012 Research and teaching assistant – Warsaw University of Life Sciences (SGGW), Department of Hydraulic Engineering.
- 02.2010 – 06.2013 Local coordinator of the HABIT-CHANGE Project “Adaptive Management of Climate-induced Changes of Habitat Diversity in Protected Areas”
- 02.2008 – 06.2013 Hydrologist & GIS Specialist – Biebrza National Park, Poland.

Education

- 04.2013 Ph.D. in Engineering Sciences with Greatest Distinction – Vrije Universiteit Brussel, Dept. of Hydrology and Hydraulic Engineering. Thesis: Variability of groundwater flow as a factor of mire ecohydrological evolution. Example of Czerwone Bagno.
- 04.2013 Ph.D in Agricultural Sciences with Distinction, Warsaw University of Life Sciences (SGGW), Dept. of Hydraulic Engineering.
- 07.2007 M.Sc. in Physical Geography, University of Warsaw, Faculty of Geography and Regional Studies.

Skills

- Software: ArcINFO, ModelMuse, ModelMate, MS Office
- Advanced field research (hydrology, hydrometrics, geodesy, DGPS)
- Teaching: Hydrology, GIS, Water Management, Hydrology of Wetlands, Climate-change-related topics on hydrology, Risk Analysis in the Environmental Systems, Environmental Policy
- Driving license

Languages

- Polish – mother tongue
- English – fluent
- Russian – communicative
- Spanish - communicative

Selected publications

- Grygoruk M.**, 2013. Variability of groundwater flow as a factor of mire ecohydrological evolution. Example of Czerwone Bagno. *VUB-Hydrologie Series 74*. Vrije Universiteit Brussel, Belgium. 222 pp.
- Grygoruk M.**, Biereżnoj-Bazille, U., Mazgajski, M., Sienkiewicz, J., 2013. Climate-induced challenges for wetlands: revealing the background for adaptive management of ecosystems in the Biebrza Valley, Poland. In: Neubert M, Rannow S (eds.) Adaptive management of climate induced changes of habitats in protected areas. *Advances in Global Change Research*, Springer, Berlin Heidelberg (in press)
- Grygoruk M.**, Batelaan, O., Okruszko, T., Mirosław-Świątek, D., Chormański, J., Rycharski M., 2011. Groundwater modelling and hydrological system analysis of wetlands in the Middle Biebrza Basin, [w:] Okruszko T. and Swiatek D. (red.) *Modelling of Hydrological Processes in the Narew Catchment, GeoPlanet – Earth and Planetary Sciences*, 89-109. DOI: 10.1007/978-3-642-19059-9_6, Springer, Berlin-Heidelberg.
- Grygoruk M.**, Mirosław-Świątek, D., Okruszko, T., Batelaan, O., Szatyłowicz, J., 2011. Estimation of actual evapotranspiration of birch thickets on a fen based on diurnal fluctuations of shallow groundwater level, *Water-Environment-Rural Areas 11* (36), 121-136. (in Polish).
- Schneider, C., Florke, M., Gerling, G., Duel, H., **Grygoruk M.**, Okruszko T., 2011. The future of European floodplain wetlands under a changing climate, *Journal of Water and Climate Change 2* (2-3): 106-122. DOI: 10.2166/wcc.2011.020.
- Okruszko, T., Duel, H., Acreman, M., **Grygoruk M.**, Flörke, M. and Schneider, C., 2011. Broad-scale ecosystem services of European wetlands—overview of the current situation and future perspectives under different climate and water management scenarios, *Hydrological Sciences Journal 56* (8), 1501–1517. DOI: 10.1080/02626667.2011.631188.
- Kardel I., Chormanski J., Mirosław-Swiątek D., Okruszko T., **Grygoruk M.**, Wassen M., 2011. Decision Support System for the Biebrza National Park. In: Jao. C., (ed.) *Efficient Decision Support Systems: Practice and Challenges – From Current to Future, Book 1*", ISBN 978-953-308-65-7
- Piniewski M., **Grygoruk M.**, 2009. Evaluation of precipitation re charge of lowland River catchment with MARS-STAT data set: case study of Upper Narew, *Scientific Review: Civil and Environmental Engineering 43*: 3-12. (in Polish)
- Chormański J., Kardel I., Świątek D., **Grygoruk M.**, Okruszko T., 2009. Management Support System for wetlands protection; Red Bog and Lower Biebrza Valley case study, *Hydroinformatics in Hydrology, Hydrogeology and Water Resources*, IAHS Publ. **331**: 423-431.
- Stelmaszczyk M., Chormański J., **Grygoruk M.**, Kardel I., Okruszko T., Bartoszek H., 2009. Groundwater chemistry variation in wetland vegetation habitats of the “Red Bog Strict Protected Area”, [in:] Łachacz, A., (ed.) *Wetlands – their functions and protection*, University of Warmia and Mazury in Olsztyn: 152-172.
- Grygoruk M.**, 2008. Methodology of assessment of Beaver ponds area and retention volume and their interaction to water conditions of forested catchment, *Studia i Materiały Centrum Edukacji Przyrodniczo-Leśnej 18*: 162-172. (in Polish)