

Name:	Tomas Vitvar		
Academic Rank:	Guest Lecture	FT X	PT

EDUCATION			
Degree	Discipline	Institution	Graduating year
Doctorate (PhD)	Natural Science	Swiss Federal Institute of Technology (ETH), Zurich	1997
Master (MSc)	Geography	Charles University, Prague	1990

ACADEMIC EXPERIENCE		
Institution	Location	Date Range
Escuela Superior Politecnica del Litoral. Faculty of Earth Sciences Engineering	Guayaquil, Ecuador	06/2017– Current
Czech Technical University in Prague, Faculty of Civil Engineering (Researcher)	Prague, Czech Republic	2010-2017
Technical University of Liberec, Department of Mathematics and Natural Sciences (Lecturer)	Liberec, Czech Republic	2016-2017
State University of New York. College of Environmental Sciences and Forestry (Postdoctoral Scholar)	Syracuse NY, USA	2000-2003

NON-ACADEMIC EXPERIENCE		
(Consulting, Industry, etc.)	Location	Date
International Atomic Energy Agency (IAEA), Water Resources Programme; Hydrologist	Vienna, Austria	2003 – 2010 and 2016

CERTIFICATIONS OR PROFESSIONAL REGISTRATIONS
<ul style="list-style-type: none"> • Certified “Project Manager” (International Project Management Association, 2014), Nr. 111-54

CURRENT MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS
<ul style="list-style-type: none"> • American Geophysical Union

SERVICE ACTIVITIES (WITHIN AND OUTSIDE OF THE INSTITUTION)
<ul style="list-style-type: none"> • Reviewer for the journals <i>Water Resources Research</i>, <i>Journal of Hydrology</i>, <i>Isotopes in Environmental and Health Studies</i>, <i>Hydrological Processes</i>, <i>Journal of Hydrogeology</i>, <i>Journal of Geochemical Exploration</i>, <i>Quaternary International</i>, since 2007 • Consultant for the European Commission, Brussels: Evaluations of project proposals "Climate action, environment, resource efficiency and raw materials" within EU-Horizon2020 (2015 and 2017) • Consultant for the International Atomic Energy Agency, Vienna: Field missions and lecturing in Isotope Hydrology: Caucasus and Central Asia (Georgia, Tajikistan), Africa (Burkina Faso, Ghana, Sierra Leone, Tanzania, Tunisia, Togo), Latin America and Caribbean (Dominican Republic, Ecuador, Guatemala, Haiti, Honduras, Jamaica, Salvador) (since 2011)

PUBLICATIONS AND PRESENTATIONS FROM THE PAST FIVE YEARS
<ul style="list-style-type: none">• Ganyaglo, S.Y., Osae, S., Akiti, T., Armah, T., Gourcy, L., Vitvar, T., Ito, M., Otoo, I.A. 2017. Groundwater residence time in basement aquifers of the Ochi-Narkwa Basin in the Central Region of Ghana. <i>Journal of African Earth Sciences</i>, 134: 590-599.• Ganyaglo, S.Y., Osae, S., Armah, T., Akiti, T., Gourcy, L., Vitvar, T., Ito, M., Otoo, I.A. 2017. Application of geochemical and stable isotopic tracers to investigate groundwater salinity in the Ochi-Narkwa Basin, Ghana. <i>Hydrological Sciences Journal</i>, DOI: 10.1080/02626667.2017.1322207• Marx, A., Hintze, S., Sanda, M., Jankovec, J., Ouhlehle, F., Dusek, J., Vitvar, T., Vogel, T., van Geldern, R., Barth, J. 2017. Acid rain footprint three decades after peak deposition: Long-term recovery from pollutant sulphate in the Uhlirska catchment (Czech Republic). <i>Science of the Total Environment</i>, 598: 1037-1049.• Jankovec, J., Vitvar, T., Šanda, M., Matsumoto, T., Han, L.-F. 2017. Groundwater recharge and residence times evaluated by isotopes of hydrogen and oxygen, noble gases and CFCs in a mountain catchment in the Jizera Mts., northern Czech Republic. <i>Geochemical Journal</i>, DOI:10.2343/geochemj.2.0469• Komínková D., Caletková J., and Vitvar T. 2017. Analysis of environmental flow requirements for macroinvertebrates in a creek affected by urban drainage (Prague metropolitan area, Czech Republic). <i>Urban Ecosystems</i>, DOI: 10.1007/s11252-017-0649-2.• Šanda, M., Sedlmaierová, P., Vitvar, T., Seidler, Ch., Kändler, M., Jankovec, J., Kulasová, A., Paška, F. 2017. Pre-event water contributions and streamwater residence times in different land use settings of the transboundary Lužická Nisa catchment. <i>Journal of Hydrology and Hydromechanics</i>, 65(2): 154-164• Kändler, M., Blechinger, K., Seidler, Ch., Pavlů, V., Šanda, M., Dostál, T., Krása, J., Vitvar, T., Štich, M. 2017. Impact of land use on water quality in the upper Nisa catchment in the Czech Republic and in Germany. <i>Science of the Total Environment</i>, 586: 1316-1325.• Vitvar, T., Šanda, M., Marx, A., Hubert, E., Jankovec, J., Barth, J. 2016. Hydrochemical and isotopic tracing of runoff generation in the small mountainous catchment Uhlířská (Czech Republic), using the NETPATH approach. <i>Acta Hydrologica Slovaca</i>, 17(2): 190-198.• Juras R., Pavlásek J., Vitvar T., Šanda M., Holub J., Jankovec J., Linda M. 2016. Isotopic tracing of the outflow during artificial rain-on-snow event. <i>Journal of Hydrology</i>, 541:1145-1154.• Komínková D., Nábělková J., and Vitvar T. 2016. Effects of combined sewer overflows and storm water drains on metal bioavailability in small urban streams (Prague metropolitan area, Czech Republic). <i>Journal of Soils and Sediments</i>, 16(5):1569–1583.• Michel R.L., Aggarwal, P., Araguas-Araguas, L., Kurttas, T., Newman, B.D., and Vitvar, T. 2015. A simplified approach to analyzing historical and recent tritium data in surface waters. <i>Hydrological Processes</i>, 29(4), 572-578.• Sanda, M., Vitvar, T., Kulasova, A., Jankovec, J., and Cislerova, M. 2013. Run-off formation in a humid, temperate headwater catchment using a combined hydrological, hydrochemical and isotopic approach (Jizera Mountains, Czech Republic). <i>Hydrological Processes</i>, 28(8): 3217-3229. DOI: 10.1002/hyp.9847

MOST RECENT PROFESSIONAL DEVELOPMENT ACTIVITIES
<ul style="list-style-type: none">• [2014] Project Management Course and Certification (International Project Management Association, Vienna, Austria)