Geoinformation and Cartography in Higher Education: Body of Knowledge and Geospatial Capacity Building Perspectives

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Abstract

This talk will discuss current research and the development of standard curricula such as the Geographic Information Science and Technology Body of Knowledge – GIS&T BoK (DiBiase et al., 2006; Wilson, 2014; Wallentin, Hofer and Traun, 2015) and the frameworks of their implementation in educational settings, contributing in a broader context to geospatial capacity building (Strobl, 2008, 2018 and 2019). A selection of examples from the literature and author’s own experience will be used in illustration (Car and Medak, 2009; Strobl and Car, 2009; Car and Strobl 2016). This is also a call for debate among GIS&T educators, researchers and practitioners on a set of core competencies acquired through GIS minor programmes across different disciplines and application fields. The ideas arising from such a debate may also prove beneficial for one of the current activities of the ICA Commission on Education and Training, related to exploring the possibilities of “developing a Body of Knowledge (BoK) for cartography, which could be used for developing contemporary educational programmes and encouraging the creation of specific cartographic modules with valid and viable learning outcomes” (https://education.icaci.org/; Fairbairn, 2017; Kraak 2017).

Keywords: Body of Knowledge, geospatial capacity building, higher education, geoinformation, cartography

References