

GIB Lecture Series: Geospatial Big Data and Societal Transformations

Tuesday 24.05.2022 | 16:15 - 17:45 | INF/ AI, H33

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Cartography, GeoAI, and the United Nations Sustainable Development Goals

To ameliorate wicked problems facing our world, from poverty, hunger, biodiversity preservation, access to water, education, equal rights, and more, the United Nations has identified a set of seventeen global Sustainable Development Goals (SDG). To achieve each of these goals, a set of targets and over 200 indicators have been recognized and agreed upon among UN member states. Well-designed maps and graphics portraying SDG indicator data that inform decision-makers to decide where to place interventions to reach the targets. Design choices influence what will then be understood from the map and decisions that are subsequently made. Currently, indicator data are collected in an uneven heterogeneous manner, aggregated at an imprecise national level, and data are missing in some of the most impoverished parts of the world. This is where Geospatial Artificial Intelligence (GeoAI) could help. Through the use of unmanned aerial vehicles to collect remotely sensed imagery, combined with computer vision software systems to process it, data collection, and visualization strategies could be improved worldwide. In this talk, I will present specific considerations related to data sovereignty and GeoAI practices, cartography and the UN SDGs.

Further information:

www.geographie.uni-bayreuth.de/de/Veranstaltungen/GIB-Lecture-Series/index.html

