



Future-oriented planning for climate resilient urban health care service

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Abstract: My name is Wiriya Puntub. I am a postdoctoral researcher at the Research Group of Spatial Planning (IRPUD), Department of Spatial Planning, TU Dortmund University. My main field of expertise is urban and regional climate risk and impact research, with a special focus on urban public health infrastructures and services (in a medium-sized city). My research focus in the context of urban health is understanding cause-effect relationships among urban development change, climate change and its impacts on local health care. To ensure resilient urban health care in the changing climate and the changing world does not only mean we need hospitals which are the most robust and highly resistant to all-hazards. But it indeed requires a shifting of planning paradigm from responding to short-term and present urgencies to more long-term and future-oriented planning across community, city and regional scales. This fact was confirmed by my research (Puntub and Greiving, 2022) that despite the health sector might invest an immense effort in changing and transforming their working systems, the outcomes in mitigating climate risk may be insignificant without city-wide actions. Therefore, climate resilient healthcare service is not only a health or hospital issue, but it reflects health elements in all policies such as hazard mitigation (e.g. climate sensitive land use planning and designing of structure and non-structure measures); exposure avoidance (of population and element at risk) (e.g. settlement planning, transportation planning, managed retreat, social justice); and adaptive capacity enhancement (e.g. urban upgrading/greening, food security, biodiversity, NBS implementation). What I could bring to Urban Health Transdisciplinary Forum is my expertise in seeing urban health through the lens of future-oriented and climate risk-informed planning. Moreover, I could also share with the forum my experience in working with mixed-method of quantitative and qualitative techniques on scenario planning, climate risk assessment, and climate sensitive urban planning across scales. Importantly, I wish that my participation in the forum could extend my learning horizon and network on urban health issues with scientists and practitioners from various disciplines worldwide.