SOLAR POTENTIAL ANALYSIS ON BUILDING ROOFS AND FACADES AT URBAN SCALES – APPLICATIONS IN GENEVA

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Summary
The talk will present the methods and tools that led to the elaboration of the solar cadaster in Geneva, implemented in the official Geoportal (SITG). It will also present some recent research activities about using and adapting such tools to assess solar potential on building facades using 3D GIS.

Speaker
Gilles Desthieux is a lecturer at the Geneva Institute of Landscape, Engineering and Architecture (HES-hepia) and a consultant in urban energy planning in the company Amstein+Walthert Genève. He holds an MA in environmental engineering and sciences and a PhD from the Swiss Federal Institute of Technology Lausanne (EPFL). His recent and current research & consultancy activities deal with integrated urban and energy planning at district and municipal levels, development of GIS tools for energy mapping and planning, 3D urban modeling for environmental assessment – solar energy (application to the solar cadaster in Geneva) and flood risks, platforms for eco-neighbourhood development support, collaborative urban planning support based on geographical indicator systems.

Open to all!

*Presentations are followed by drinks & snacks, to give the opportunity to guests and speaker to further discuss the topic.