**The Digital Building Permit conference 2024**

The digitalisation of building permits became central in the processes of digitalisation of the built environment management and construction field. Geospatial information is critical in enabling the necessary analysis and management, including the building context and the city features, which are considered for several regulations checking procedures, and bring relevant potential for extending the use cases to more complex and advanced analysis (e.g. microclimate simulations, mobility analysis, pollution related studies, utilities optimization and so on).

In order to allow such digitalisation, it is therefore necessary to integrate Building Information Models (BIM), used to design and manage construction, with Geographical Information Systems (GIS) and other kinds of geoinformation.

Georeferencing BIM properly is the first challenge, since the models use a local cartesian coordinate system which is not straightforwardly converting to the cartographic coordinate reference systems. Moreover, converting 3D models is challenging whether covering wide extents, for which deformations should be taken into account. Other research topics related to the different representations of semantics, geometry and standards used by the two kinds of models are being tackled to achieve the same integration goal.

To support the integration of such geospatial information science into the multidisciplinary teams working around the topic, ISPRS, WG IV/1 on 'Spatial Data Representation and Interoperability' has co-organised the Digital Building Permit conference 2024 by collaborating with several other organisations, i.e.: the European Network for Digital Building Permit (EUnet4DBP); the Open Geospatial Consortium (OGC); the European Association for Spatial Data Research (EuroSDR); the Building Digital Twin Association (BDTA); buildingSMART, the EU-BIM Task group; the European council of Spatial Planners (ECTP-CEU), the Consortium of European Building Control (CEBC).

The conference was well attended and the diversity in the audience and in the presentations (discipline and fields of interest, working sectors ranging from practice to research and government, countries and management levels of case studies) allowed fruitful discussions to take place in the conference, giving an interesting picture and directions for the future works.

The Proceedings of the conference and the recording are now available and accessible from the conference webpage: https://eu4dbp.net/dbpc24/