



International Digital Building Permit Conference 2024

The ISPRS WGIV/1, on 'Spatial Data Representation and Interoperability' is happy to announce that the call for contributions to the event we are co-organising with several other organisations (Open Geospatial Consortium, European Network for Digital Building Permit, Building Digital Twin Association, buildingSMART, EuroSDR, EU-BIM, CEBC, ECTP-CEU), the "*International Digital Building Permit conference 2024*", is out.

The event will be held on 18th-19th April 2024 in Barcelona - Colegio de Arquitectos de Catalunya (COAC).

Background of the Event

Digitalisation of building permits was detected as the critical knot to be solved, in order to pave the way towards massive digitalisation in the construction industry, and to enable the potential of automation and optimisation in the management of building and city data, including geospatial data and Geographical Information Systems.

The topic has been developing for a couple of years and now some mature solutions start to be available. Moreover, some important cross-border (e.g. European) projects as well as other local initiatives all over the world are currently running and can present their results.

Therefore, the "International Digital Building Permit Conference" will dive into the current status of research, developments and implementations, providing, in addition, the opportunity for several digital building permit actors to meet and discuss.

Multidisciplinarity and inter-sectoral collaboration are key to solve the multifaceted and complex challenge of building permit digitalization, and geospatial information is an essential ingredient within it, because it allows, on the one hand, enabling the needed analysis considering the city context, and on the other hand, supporting the modelling of existing built environment as a reliable starting point for new interventions.

The use of **geomatics tools** and **geospatial information** will be one of the central topics of the conference, as well as **interoperability**, **standardization** and **integration** with other kinds of information.

The conference will be structured to host several different kinds of contributions and activities, from research to implementations, with a relevant part reserved to users and stakeholders, in order to investigate the challenges of the solutions' uptake.

Call for contributions

You are invited to submit your contribution to the conference.

Two tracks are planned: a 'research' track, intended to host scientific studies, projects and initiatives, and a 'practice' track, to present concrete applications, current ongoing initiatives and implementations. In both cases, the link to further papers, materials and resources is allowed and encouraged.

To apply for the **Research track**, please submit a 1000-1500 words abstract, that will be peer reviewed.

Relevant dates:

Submission system opens: 1st November 2023

Extended abstract submission deadline: 10th December 2023

Peer-review results: 31st January 2024

Revised extended abstract due: 20th February 2024

Deadline for speakers' registration: 20th February 2024

To apply for the **Practice track**, please submit a max 500 words abstract of the proposed presentation.

Relevant dates:

Submission system opens: 1st November 2023

Abstract submission deadline: 15th January 2023

Presentation confirmation: 10th February 2024

Deadline for speakers' registration: 20th February 2023

All the abstracts will be published as proceedings in the conference publication report.

Best contributions will be invited to be extended and submitted to a scientific journal special issue.

Conference topics

The conference Topics can be grouped according to the different systems interacting for the Digital Building Permit challenge. They all will be the focus of the conference (see in bold the ones which most relate to the ISPRS scope):

Legislative system

- Capturing regulatory content
- Ambiguity and subjectivity in regulations
- Public policy, mapping, archive and records
- Sustainability and environmental checks supported by digital building permits
- Energy performance contracts and use cases related to retrofitting of existing buildings

Procedural System

- Quality of applicant submissions,
- Implementation steps for transition
- Privacy in digital building permit
- Digital compliance

Organizational system

- Social, environmental and business case for digital permitting
- Legal, credibility and ethical challenges

- **Training and education for digital building permit**
- Applications of digital building permit in municipalities
- Advantages and benefits of digital building permit

Technological System

- **Technologies for supported and automated compliance checking**
- Current implementations
- **Checking software demos**
- **Interoperability and software architectures and components for digital building permits**
- **Data, standards and ontologies in digital building permit**
- **GeoBIM**

Please for any further info, check the event website <https://eu4dbp.net/dbpc24/> or get in touch with the organisers (fnoardo@ogc.org and ISPRS WGIV/1 officers).