

# I EUnet4DBP International workshop on Digital Building Permit

Event co-organized and supported by



*Dates:* Thu 25th - Fri 26th March 2021

*Venue:* Registered participants through the Airmeet.com platform. The event will also be streamed via youtube. Links shared here.



## Purposes of the workshop

- Meet an intersectoral and multidisciplinary audience and not-only-scientific committee dealing with the digital building permit topic
- Present and describe valuable work about the digital building permit;
- Getting and exchange constructive feedbacks from the reviewers and the audience.

## Organizers

Francesca Noardo (3D geoinfo - Delft University of Technology) - [f.noardo@tudelft.nl](mailto:f.noardo@tudelft.nl)

Giada Malacarne (Fraunhofer Italy)

Silvia Mastrolemba Ventura (Università di Brescia)

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# Programme

25th March 2021 (CET)

8.30-9.00 – *The platform is open and the network lounge accessible*

9.00 - 9.30 – **Welcome and introduction** - chair: Francesca Noardo [youtube streaming](#)

- 9.00 - 9.05 Francesca Noardo - Intro/welcome
- 9.05 - 9.10 Giada Malacarne - EUnet4DBP ambitions and requirements
- 9.10 - 9.15 Jantien Stoter - The EuroSDR and its role in the EUnet4DBP
- 9.15 - 9.20 Angelo Ciribini - The EUnet4DBP and the European BIM Scenario
- 9.20 - 9.25 Nicholas Nisbet - buildingSMART and its role in the EUnet4DBP

9.35 - 10.30 – **Session 1: Empowerment of public officers** - chair: Miguel Azenha [youtube streaming](#)

- 9.35 - 9.55 Eilif Hjelseth - [Hidden challenges in development of digital solutions for processing of building regulations](#)
- 9.55 - 10.15 Lennart Senger - [Development of an implementation strategy for municipalities to enhance computerized building permits](#)
- 10.15 - 10.30 Giada Malacarne - [Digital Building Permit Maturity Model: towards a GeoBIM integration](#)

10.30 -10.45 *Coffee break*

10.45 - 11.15 – **Keynote 1** [Andrea Fronk](#) (Bimfactory Srl)- [The challenges of Digital Building Permits](#)[youtube streaming](#)

11.15 - 12.15 – **Session 2a - International experiences with digital building permit** - chair: IJsbrand van Straalen [youtube streaming](#)

- 11.15 - 11.35 Ophélie Vincendon - [Digital Building Permit in the State of Geneva](#)
- 11.35 - 11.55 Ali Ismail - [Dubai BIM e-Submission Platform](#)
- 11.55 - 12.15 Christopher-Robin Raitviir - [BIM-based building permit developments in Estonia](#)

12.15-13.00 *Lunch*

13.00 - 13.30 – **Session 2b - International experiences with digital building permit** - chair: Francesca Noardo [youtube streaming](#)

- 13.00 - 13.15 José Granja - [Concept for process towards automated building permits in Portugal](#)
- 13.15 - 13.30 Lars Harrie - [Exchange of digital information in the building permission process in Sweden – some previous and possible future studies](#)

13.35-14.10 – **Session 3a - Process 1** - chair: Dogus Guler [youtube streaming](#)

- 13.35-13.50 Manuel Garramone - [Analysis of the digital building permit requirements inside a BIM environment](#)
- 13.50-14.05 Giada Malacarne - [Combining BIM and GIS for the digitalization of the building permit process in small municipalities: the GEOBIMM project](#)
- 14.05-14.25 Judith Fauth - [About determination of building permitability](#)

14.25-14.40 *Coffee break*

14.40-15.35 – **Session 3b - Process 2** - chair: Lars Harrie [youtube streaming](#)

- 14.40-14.55 Silvia Costa - [Digital Building Permit and Small Sized Local Authorities in Italy](#)
- 14.55-15.15 Dogus Guler - [A Workflow Containing Digital Building Permit for Turkey](#)
- 15.15-15.35 Giada Malacarne - [BIM for public authorities: Basic research for the standardized implementation of BIM in the building permit process](#)

15.35-15.55 **Interactive activity about maturity model - process** chair: Giada Malacarne

15.55-16.00 **Closing** chair: Francesca Noardo

16.00-16.30 *Speed networking in the lounge*

16.30-17.00 *The network lounge will remain open.*

26th March 2021 CET

8.30-9.00 – *The platform is open and the network lounge accessible*

9.00-9.05 **Welcome and introduction** Francesca Noardo [youtube streaming](#)

9.05-10.15 **Session 4 - Rules and requirements** - chair: Fulvio Re Cecconi

- 9.05-9.20 André Vonthron - [Integration of Building Information Modelling into the process of building permits in Germany](#)
- 9.20-9.35 Nicholas Nisbet - Normative, Definitive and Descriptive Knowledge
- 9.35-9.50 Beidi Li - [The need for an integrating approach for developing digital building permit solutions](#)
- 9.50-10.10 Beidi Li - [A reasoning-based approach for checking performance-based codes in digital building permit processes](#)

10.10-10.30 **Interactive activity maturity model - Rules and requirements** - chair: Giada Malacarne

10.30-10.40 *Coffee break*

10.40-12.30 **Session 5 - Technology** - chair: Jernej Tekavec [youtube streaming](#)

- 10.40-11.00 Francesca Noardo - [GeoBIM for the digitalization of building permit checks.](#)
- 11.00-11.25 Marco Rognoni - [Automated Code Checking in the Epermit BIM Process](#)
- 11.25-11.45 Matteo Mandrile - [BIM as multiscale facilitator for built environment analysis](#)
- 11.45-12.10 Ijsbrand van Straalen - [Development of a New Eco System for Automatic Code Checking based on BIM Bots Technology](#)
- 12.10-12.25 Franco Coin - [OpenBIM and DBP – the state of the art and future projects](#)

12.25-12.45 **Interactive activity maturity model - Technology** - chair: Giada Malacarne

12.45-13.30 *Lunch*

13.30-14.30 **Panel session “protech disruption – the evolving context for Digital Permitting”** - chair: Alain Waha [youtube streaming](#)

Panelists: Paul Oesten-Creasy (VU City) - Greg Demchak (Bentley Digital Innovation Lab)

14.30-15.15 **Concluding remarks** - chair: Francesca Noardo

- 14.30-14.45 Giada Malacarne - Results from interactive activities on maturity models
- 14.45-15.00 Closing

15.00-16.00 *The network lounge will remain open.*

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# (Expired) Call for contributions

Expired Deadline: 22nd January 2021

Please, **remember to indicate in the abstract** what kind of contribution you intend to submit:

Kind of contribution			To be submitted by 8th January 2021	Kind of Review
A - Studies	A1 - Reviews	Literature review, evaluation of software or procedures, data review...	(Extended) abstract containing a link to: - Paper (either published or self-archived); - Useful material, data and so on (optional).	Peer-review
	A2 - Research (or practice) reports	Solid research or application experiment report, possibly supported by data (e.g. proposal of a new method, still without implementation; definition of criteria; workflows; good practises...)	(Extended) abstract containing a link to: - Paper (either published or self-archived); - Useful material, data and so on (optional but encouraged).	Peer-review
B - Implementations	B1 - initial	Demonstrators or early-stage experiments, preliminary to tools implementation	(Extended) abstract containing: - Background info / link to a paper (either published or self-archived); - Link to the Tool or "preliminary materials" (either the code or a version of the software with trial licenses must be provided); - Link to documentation and instructions; - Link to used data, to replicate the test.	Peer-review of premises, Test of demonstrator (if any), with provided data  - Submission of a feedback and specific questions/suggestions, (considering replicability/scalability of the work)
	B2 – tested working tools	Tools tested with many data, potentially usable/used in practice	(Extended) abstract containing: - Background info / link to a paper (either published or self-archived); - Link to the Tool or "preliminary materials" (either the code or a version of the software with trial licenses must be provided); - Link to documentation and instructions; - Link to used data, to replicate the test (optional, since the use of custom data should be possible in this case, but encouraged)	Peer-review of premises, Test of demonstrator (if any), with provided data and possibly with different data  - Submission of a feedback and specific questions/suggestions, (considering replicability/scalability of the work)
C - Stand-alone presentations		Short presentation about initiatives and on-going works (both from research, applications and government)	(Extended) abstract plus possibly useful links or references (e.g. to project webpages, municipality platforms and so on)	Almost no review besides checking that it fits within the workshop related topics. They will be available as well for participants to read and prepare questions.

As you could notice in the table, given the great diversity of allowed contributions, an abstract will be the object of the submission, containing in addition the links to self-archived materials (papers, code, data and so on).

Papers can be presented to the conference either if already published by a journal (preferably open access) or stored within open preprint repositories (e.g. arxiv.org).

The object of the submissions will be accessible to external public (hopefully participating to the event) to read and access and possibly provide review, comments and feedback.

## “Not only Scientific” committee

Each presented work will be reviewed by people in different kinds of affiliations (to raise different kinds of questions).

Reviewers are supposed to be present to the presentation of the reviewed work and prepare questions to feed the discussion at the event.

# Publication possibilities

Publication of the abstracts in a book (e.g. EuroSDR report), in order to have space also for non-research material, which would be a substantial part here.

If a sufficient number of high-quality original papers will be presented (i.e. not yet published in a journal but only as a pre-print), we'll explore the possibility for a Journal Special Issue of selected works.

[If the Special Issue won't be realized, this wouldn't prevent the authors to publish the pre-print works elsewhere (after using the event to promote their work and get feedback).]

The idea is to avoid the dilemma: *"Do I waste this very good work for a conference?"* vs *"Is it worth to go to a conference if there won't be follow-up publications?"*

Recommended structure for the submission:

- Kind of contribution (A1/A2/B1/B2/C)
- Title
- Abstract (approximately 5000 characters including spaces, with pictures if needed, and a few relevant references)
- Links to relevant resources, i.e. (based on the kind of contribution presented): complete paper/s that will be presented; websites containing further information; tools; data (if necessary).