Collecting the existing experiences about the digitalization of the building permit process
The survey

soSci
oFb - der onlineFragebogen

5% completed

These are the steps of the digital permit process:

Step 1: Pre-consultation and preliminary analysis

Step 2: Building information modelling and export to IFC

Step 3: Application review (formal requirements) - IFC validation

Step 4: Conversion to geodata and integration with 3D city model or geoinformation

Step 5: Application review (content) - regulations checks

Step 6: Completion of the works and building authorities notification

In addition, two kinds of datasets are considered as input for the process steps:

1. Digital regulations

2. 3D city models/geoinformation

1. Is the experience that you are about to report related to other steps/aspects of the digital building process (not those listed above)?

◉ Yes

○ No

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➤ If the answer is "Yes", please go to page 2.
➤ If the answer is "No", please go to page 4.

> You are now reporting on...
>
> ## Other steps/aspects of the digital building process

2. Could you provide a short description about the experience you are reporting on?
Max. 400 characters (spaces included).

Description	
Reference citation	

Preferably in bibtex format

3. You can also add a link to existing references of your experience, also in your national language.

Link	

4. In which country/countries does/did this experience take place?

5. What is the geographical scope of this experience?

- ○ International
- ○ National
- ○ Regional
- ○ Local (Municipality)
- ○ Other

6. To which of the following types of contribution does this experience belong?
A = Research
----- A1: Literature review, evaluation of software or procedure, data review
----- A2: Solid research or application experiment report, possibly supported by data
B = Developments
----- B1: Demonstrator or early-stage experiments, preliminary to tools implementation
----- B2: Tools tested with many data, potentially usable/used in practice
C = Initiatives in operational environment

- ○ A1
- ○ A2
- ○ B1
- ○ B2
- ○ C
- ○ I do not know

7. What is the state of progress of this experience?

According to the discipline of Project Management.

- ○ Conception and Initiation
- ○ Definition and Planning
- ○ Executing
- ○ Validating
- ○ Closing
- ○ I do not know

8. Which of the following EUnet4DBP ambitions does this experience contribute to?

Please, refer to the complete framework of the EUnet4DBP Ambitions and Requirements here: https://3d.bk.tudelft.nl/projects/eunet4dbp/about.html

- ☐ Interoperable technology: Technologies for data analysis and data visualization
- ☐ Interoperable technology: A network platform as a unique repository of data across the whole life cycle
- ☐ Interoperable technology: Very high technology readiness level
- ☐ Interoperable technology: An inclusive system at all levels (European, national, municipality)
- ☐ Simple and machine-readable rules and requirements: Clear specification of requirements
- ☐ Simple and machine-readable rules and requirements: simple and clear rules
- ☐ Efficiency of process: Align the process at EU level
- ☐ Efficiency of process: Simplify the building permit process
- ☐ Empowerment of public officers
- ☐ Other
  [   ]

9. Which of the following EUnet4DBP requirements does this experience contribute to?

The Requirements listed below are necessary towards the achievement of the previous ambitions. Please, refer to the complete framework of the EUnet4DBP Ambitions and Requirements here: https://3d.bk.tudelft.nl/projects/eunet4dbp/about.html.

- ☐ Digitalize the mindset of the public officers
- ☐ A roadmap and a change framework towards a fully digital building permit process
- ☐ Normative text should be interpretable
- ☐ Machine readable building codes
- ☐ The process steps contain different spatial and semantic data
- ☐ Understanding the necessary process steps
- ☐ Alignment across Europe in Scope and Ambition
- ☐ Standardization
- ☐ Common Dictionaries
- ☐ Modelling conventions and guidelines
- ☐ Interoperability and APIs
- ☐ Other
  [   ]

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The steps of the digital permit process:

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Step 6: Completion of the works and building authorities notification

In addition, two kinds of datasets are considered as input for the process steps:

1: Digital regulations

2: 3D city models/geoinformation

For each of these steps you will be asked to answer to the following questions:

2. Is the experience that you are about to report related to Step ...   **?**

○ Yes

○ No

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- ➢ If the answer is "Yes", please go to page 5.
- ➢ If the answer is "No", you will be redirected to the next step of the digital building permit process.

You are now reporting on...

Step ...

3. Could you provide a short description about the experience you are reporting on, with respect to the digitalization of this process step?

Max. 400 characters (spaces included).

Description	
Reference citation	
	Preferably in bibtex format

4. You can also add a link to existing references of your experience, also in your national language.

Link	

5. In which country/countries does/did this experience take place?

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- ○ International
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- ○ A2
- ○ B1
- ○ B2
- ○ C
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