



Strategic Integration of Road Digital Twins for Streamlined Planning and Building Permitting

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ORGANIZED BY:



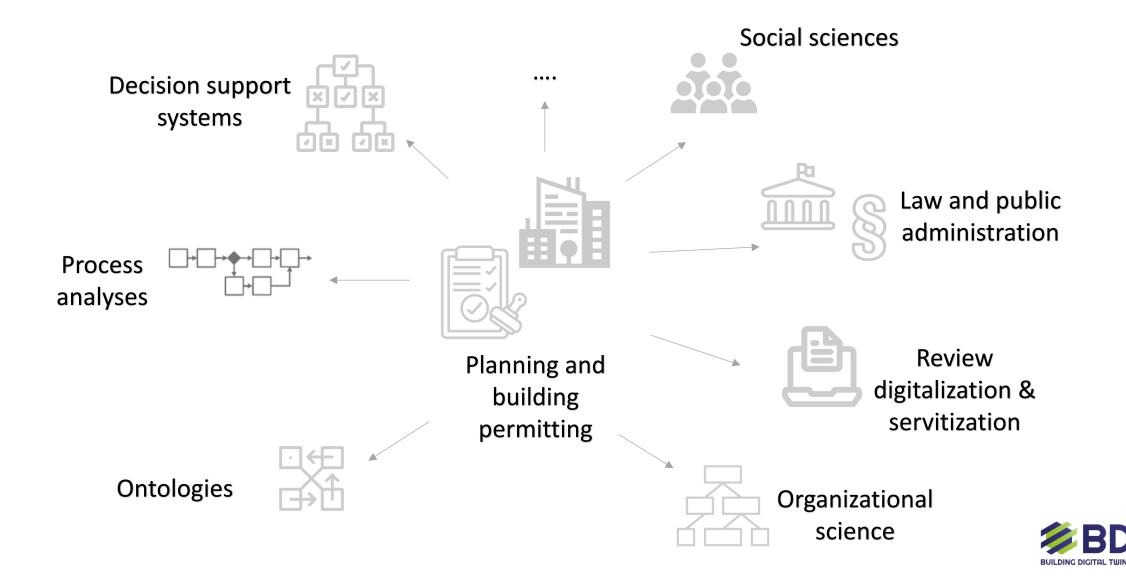






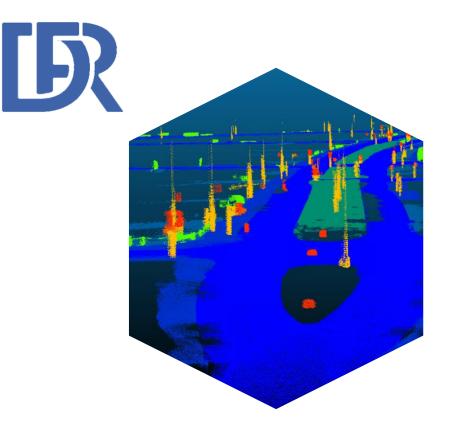
Research focus







Digital Road of the Future Initiative





Challenge DT6:

How can Road Digital Twins generate value from connecting areas?

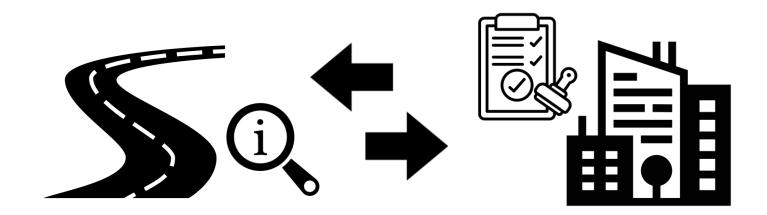
- What are the use cases for DT-based building permitting?
- How a business model of DT-based building permitting looks like from a management perspective (processes, people, technology)?
- What information and what granularity of information are needed for these use cases?
- Where and how information is stored and communicated?
- Can DT-based building permit processes increase the certainty in construction and lower the risks in calculation (of time and costs)?
- How does the DT-based business model for building permits fit into building permit systems at an international level?





Project description

Title: Advanced Planning and Building Permits through Road Digital Twins



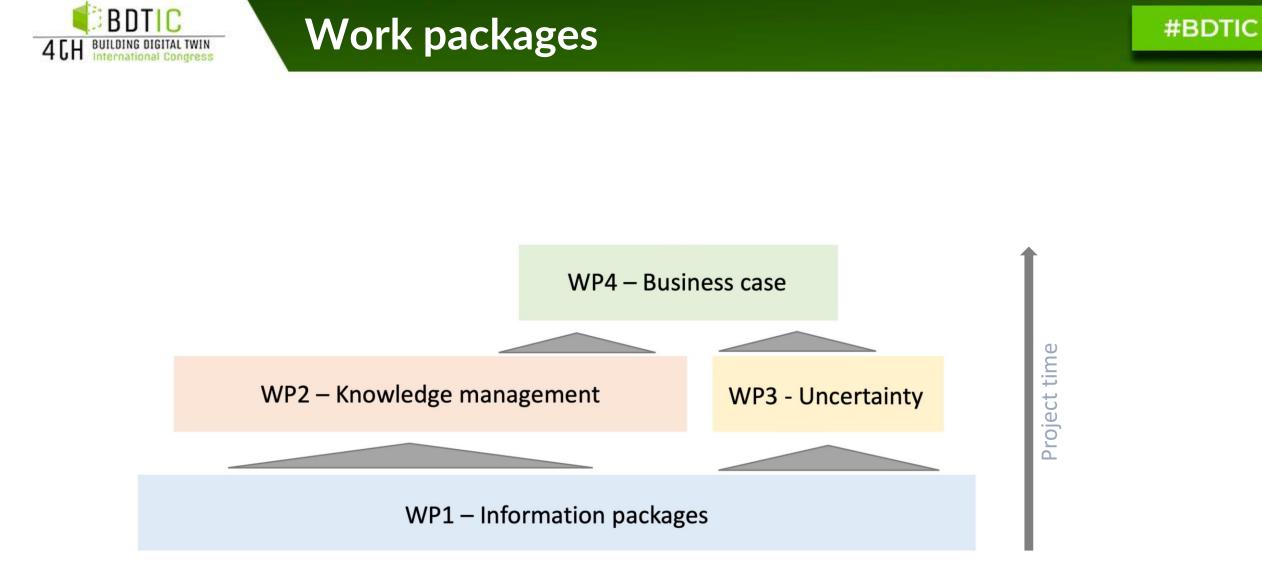
Objective:

- Linking road digital twins and building permits,

- reuse information, and
- leverage the connectionto generate value



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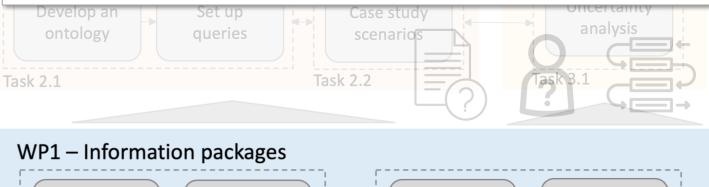




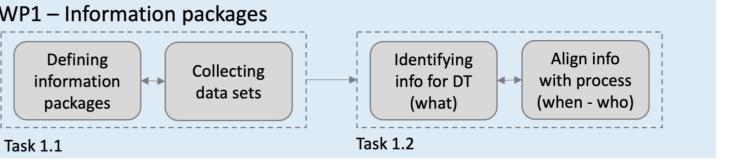
Information packages

Examples of information packages:

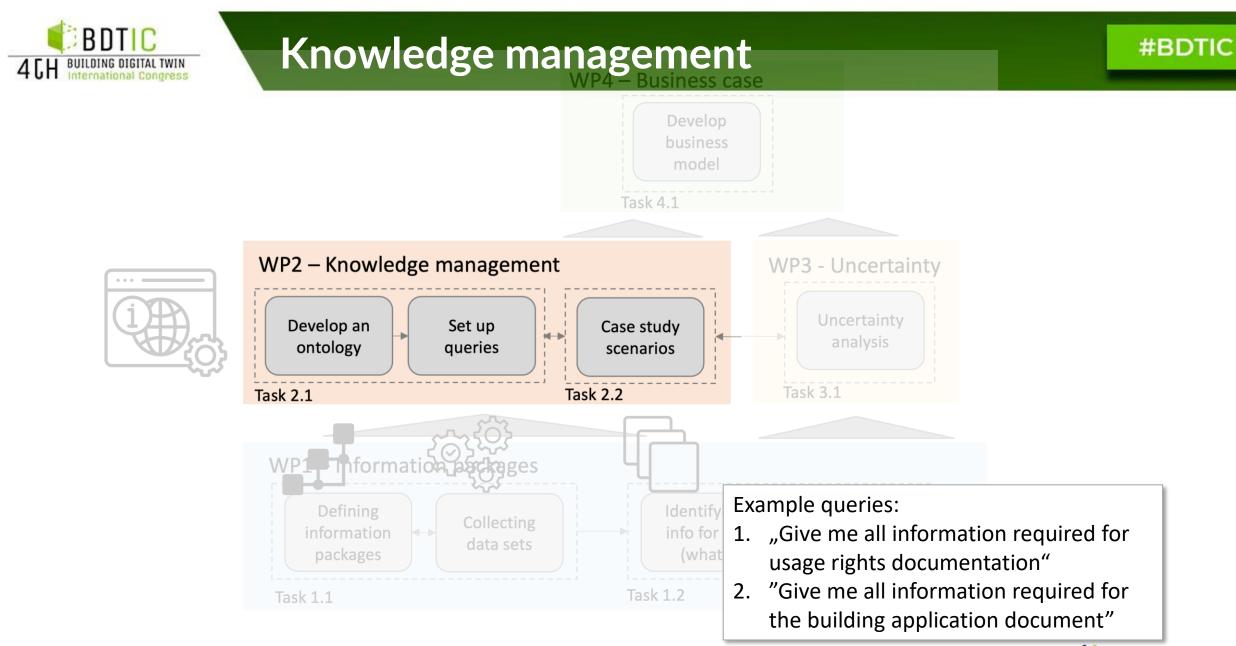
- 1. Assurance of site development
- 2. Accessibility of plot of land and utilities provision (water, sewage, disposal, etc.)
- 3. Usage rights documentation
- 4. Justification of objections from neighbors and prevention of downstream legal actions
- 5. Participation of other involved agencies of public interest
- 6. Dynamic regulations

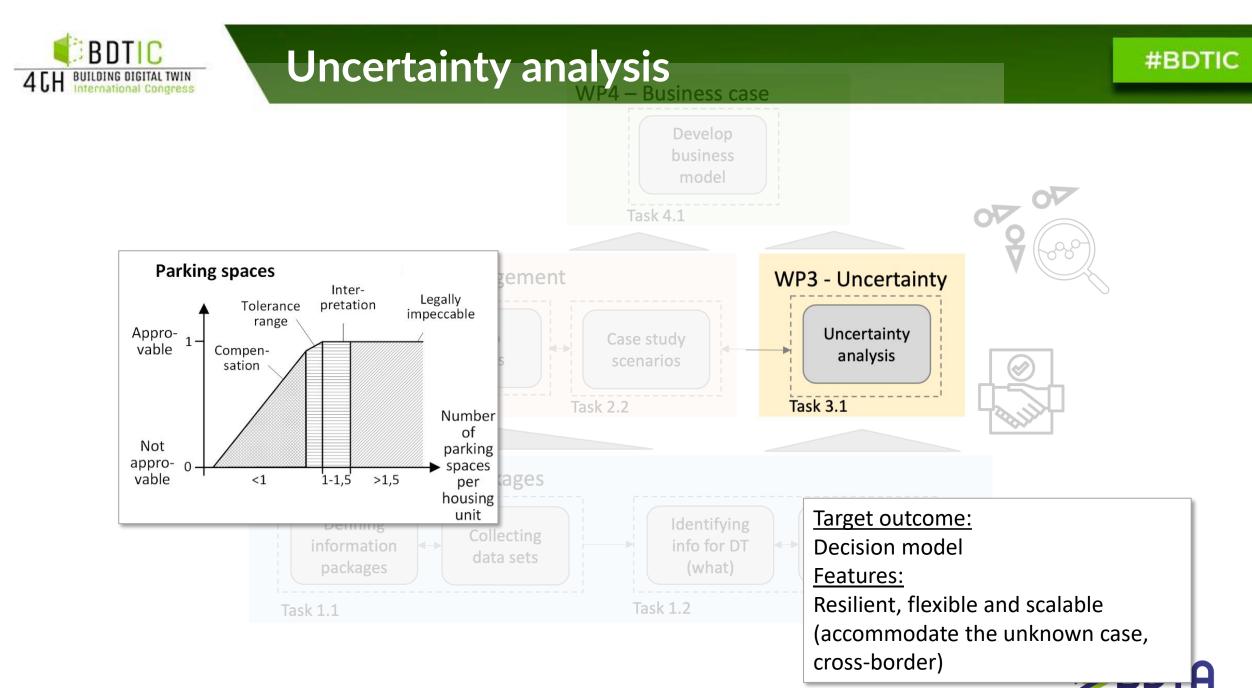










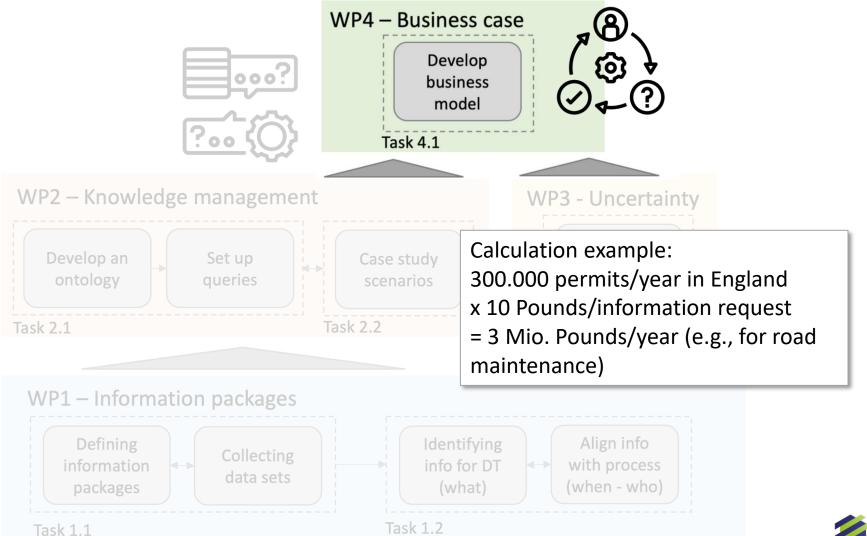


BUILDING DIGITAL TWIN ASSOCIATION



Business case



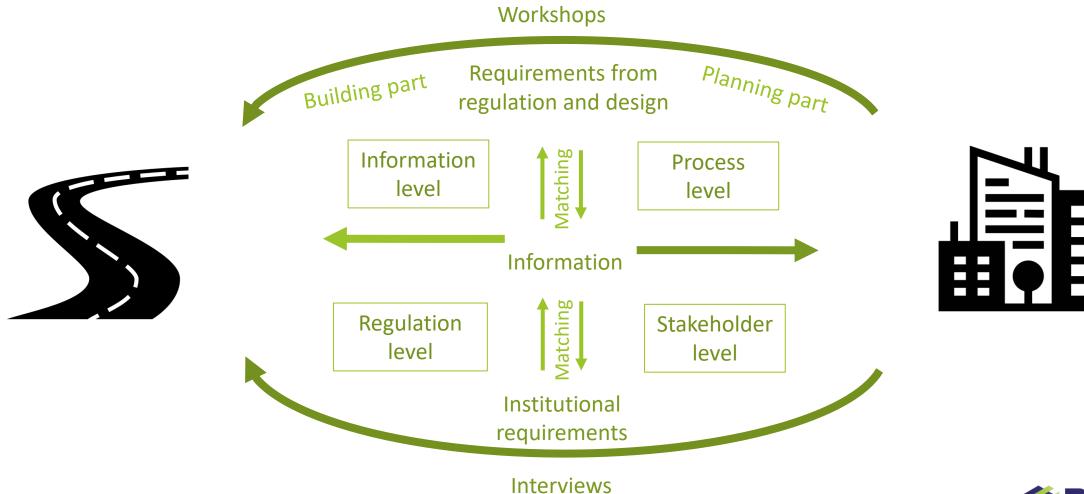
















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Together with



European Commission



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THANK YOU!

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