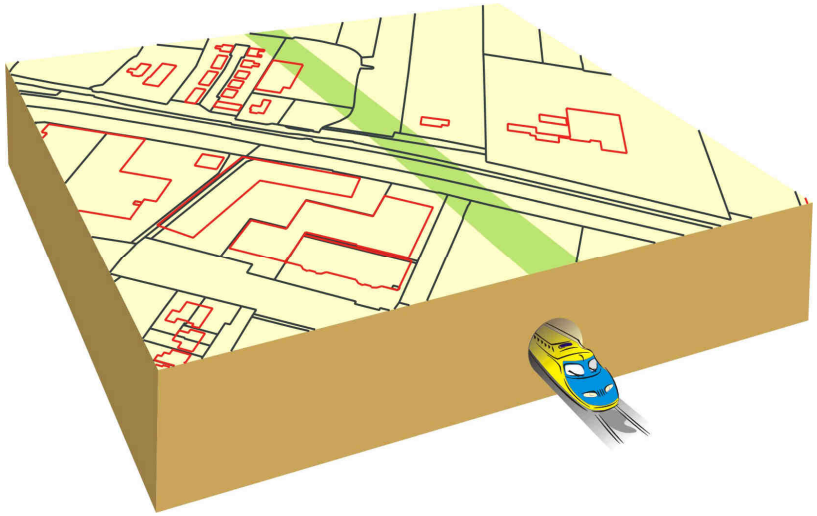
GEODESIGN SUMMIT EUROPE 2016 // November 1–2, 2016 Delft, Netherlands

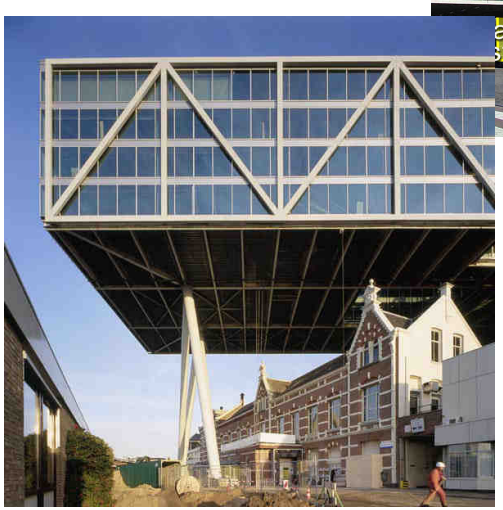
3D Spatial Planning and 3D Cadastre

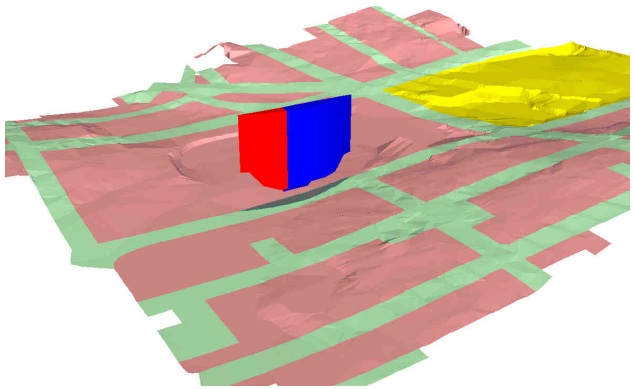
31-10-2016

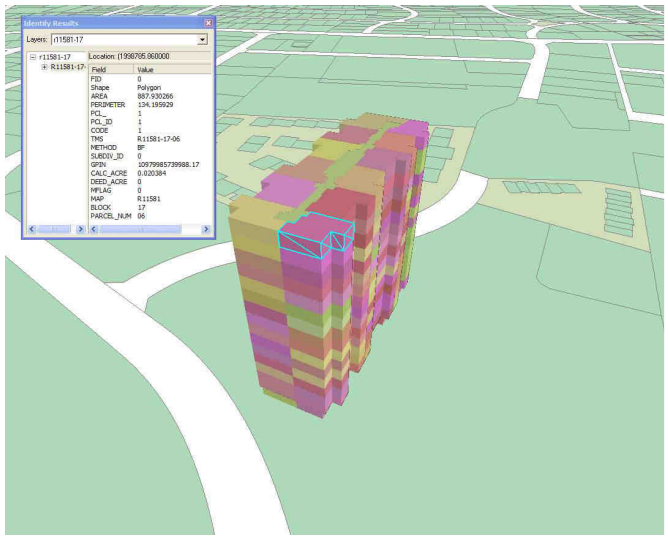
Seminar at Geodesign Summit Europe,
31 October 2016, Delft, Netherlands

Introduction







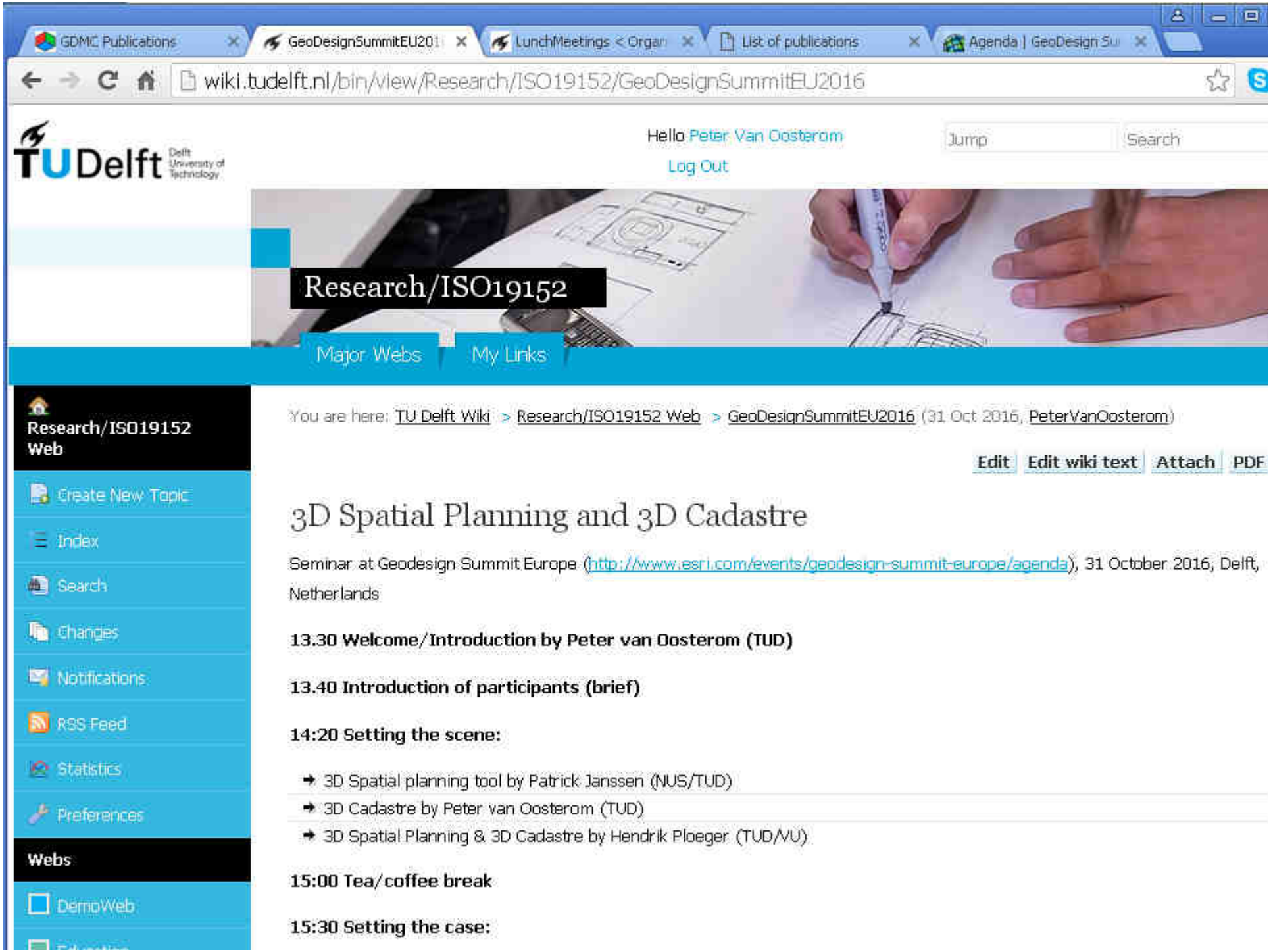


2D registration for a 3D world?

Historic moment

- First time in history:
  Topics of 3D Spatial Planning and 3D Cadastre in one event
- Participants from many parts of the world (global interest)
- Two-way communication, despite the full programme

→ Slides at http://isoladm.org/GeoDesignSummitEU2016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3D Spatial Planning and 3D Cadastre
Seminar at Geodesign Summit Europe (http://www.esri.com/events/geodesign-summit-europe/agenda), 31 October 2016, Delft, Netherlands
13.30 Welcome/Introduction by Peter van Oosterom (TUD)
13.40 Introduction of participants (brief)
14:20 Setting the scene:
3D Spatial planning tool by Patrick Janssen (NUS/TUD)
3D Cadastre by Peter van Oosterom (TUD)
3D Spatial Planning & 3D Cadastre by Hendrik Ploeger (TUD/VU)
15:00 Tea/coffee break
15:30 Setting the case:

Intention…
full development life cycle in 3D

Involved steps (order differs per country):

1. Develop and register zoning plans in 3D
2. Register (public law) restrictions in 3D
3. Design new spatial units/objects in 3D
4. Acquire appropriate land/space in 3D
5. Request and provide (after check) permits in 3D
6. Obtain and register financing (mortgage) for future objects in 3D
7. Survey and measure spatial units/objects (after construction) in 3D
8. Submit associated rights (RR)/parties and their spatial units in 3D
9. Validate and check submitted data (and register if accepted) in 3D
10. Store and analyze the spatial units in 3D
11. Disseminate, visualize and use the spatial units in 3D

Programme

- 13.30 Welcome/Introduction by Peter van Oosterom (TUD)
- 13.40 Introduction of participants (brief)
- *14:20 Setting the scene:*
  - 3D Spatial planning tool by Patrick Janssen (NUS/TUD)
  - 3D Cadastre by Peter van Oosterom (TUD)
  - 3D Spatial Planning & 3D Cadastre by Hendrik Ploeger (TUD/VU)
- 15:00 Tea/coffee break
- *15:30 Setting the case:*
  - Underground 3D Planning/Cadastre in Korea by Sangmin Kim (TUD)
  - 3D Planning/Cadastre in Indonesia by Agung Indrajit (TUD)
  - 3D Planning/Cadastre, Spoorzone Delft by Els van der Riet (Jurist, Spoorzone Delft)
- 16:10 Discussion: what to be applied in your country/city
- 17:00 Drinks: Ice breaker event in the Berlage Rooms

Introduction participants

1. Background: name, country, organization, education

2. Motivation to join this seminar

3. Where and when would you like to apply
   - 3D spatial planning and/or
   - 3D cadastre