Welcome

Stefan van der Spek
Associate Professor of Urban Design
Director Geomatics for the Built Environment
Welcome!

Welcome @tudelft
GeodesignSummitEU 2016!
Stefan van der Spek

Associate Professor of Urban Design
Director Geomatics for the Built Environment
Visiting Professor Northumbria University

/ Faculty of Architecture & Built Environment
GeoDesign EUrope

2013 Geofort (NL)
2014 Delft (NL)
2015 Salzburg (A)
2016 Delft (NL)
How is TU Delft linked to Geodesign?

MSc in Architecture, Urbanism & Building Science (BK/AUBS)

+ MSc Geomatics for the Built Environment (BK/GEO)

MSc Geosciences & Applied Earth Sciences (Civil Engineering & Geosciences)
MSc Geomatics for the Built Environment
Motion / Challenge

The importance of 3D (Geo)data is growing. 3D capabilities of tools, models and computing power are (still) limited.

(Urban)Design + (Spatial)Planning and GIS are different worlds.

What is (the role of) Geodesign?
What is GeoDesign? Keywords
What is GeoDesign? /keynotes
What is GeoDesign? /sessions
What is GeoDesign?

Climate  Urban Heat Island
Hydrology  Resilience
Flooding
Land pricing
Participatory Planning
Collaboration
Bottom-up planning
Serious Gaming
Parametric Design
Urban design & Spatial Planning?
Design process
Landscape architecture /design?

BIM  GIS  SDI
Geodata  3D city model
Tools & methods

Serious Gaming

Landscape architecture /design?
What is GeoDesign?

Interdisciplinary:
- Collaboration
- Participatory Planning
- Design process
- Bottom-up planning

Multi-scale:
- Urban design & Spatial Planning?
- Landscape architecture /design?
- Energy
- Integration
- Resilience

Tools & methods:
- BIM
- GIS
- SDI
- 3D city model
- 3D cadastre
- Geodata
- Decision Support Tools
- Parametric Design
- Serious Gaming
- VR/AR
- Tools & methods
- Urban Heat Island
- Hydrology
- Flooding
- Land pricing
- Land pricing
- Climate

SDI
Challenge

What do you think Geodesign is?

Looking forward to the answer at the end of the conference!

#GeodesignSummitEU
GeoDesign Summit 2017

January 25-26, Redlands, California