

Digital Twins in Switzerland

Private Sector Perspective

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Yesterday ...

Our living space is changing

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Altdorf UR, 1960 (ETH-Bibliothek Zürich, Bildarchiv)

... and tomorrow?

Challenges – needs – trends

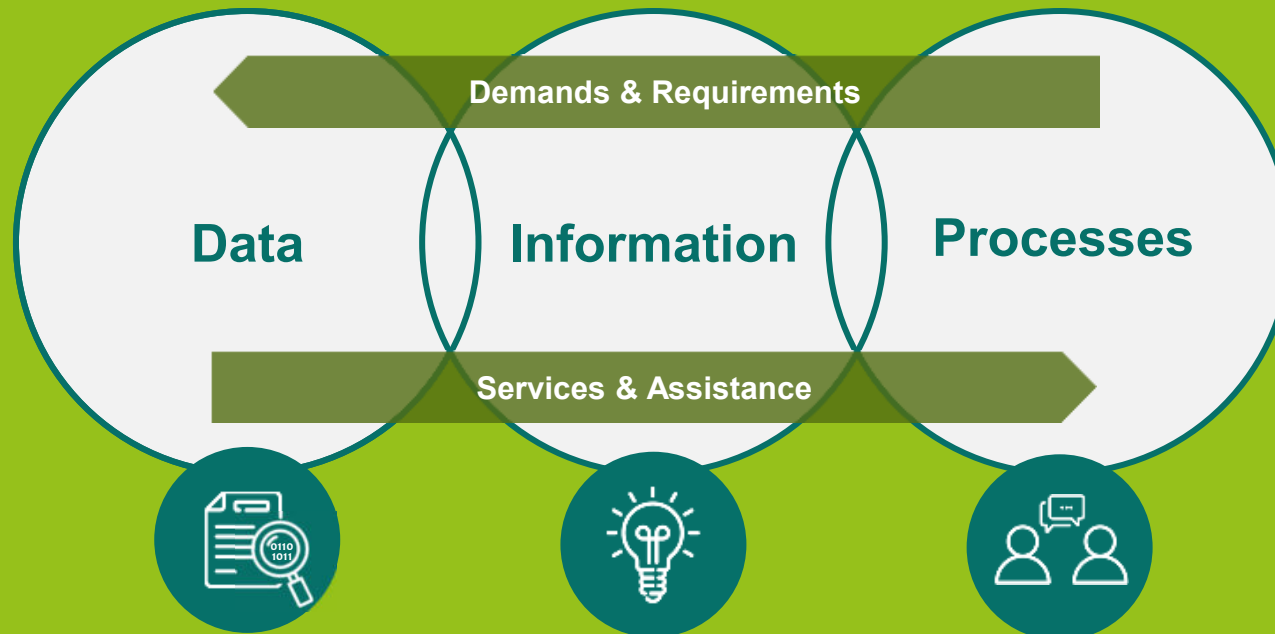
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Data – information – processes

Our mission

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From Digitalisation to Digital Transformation

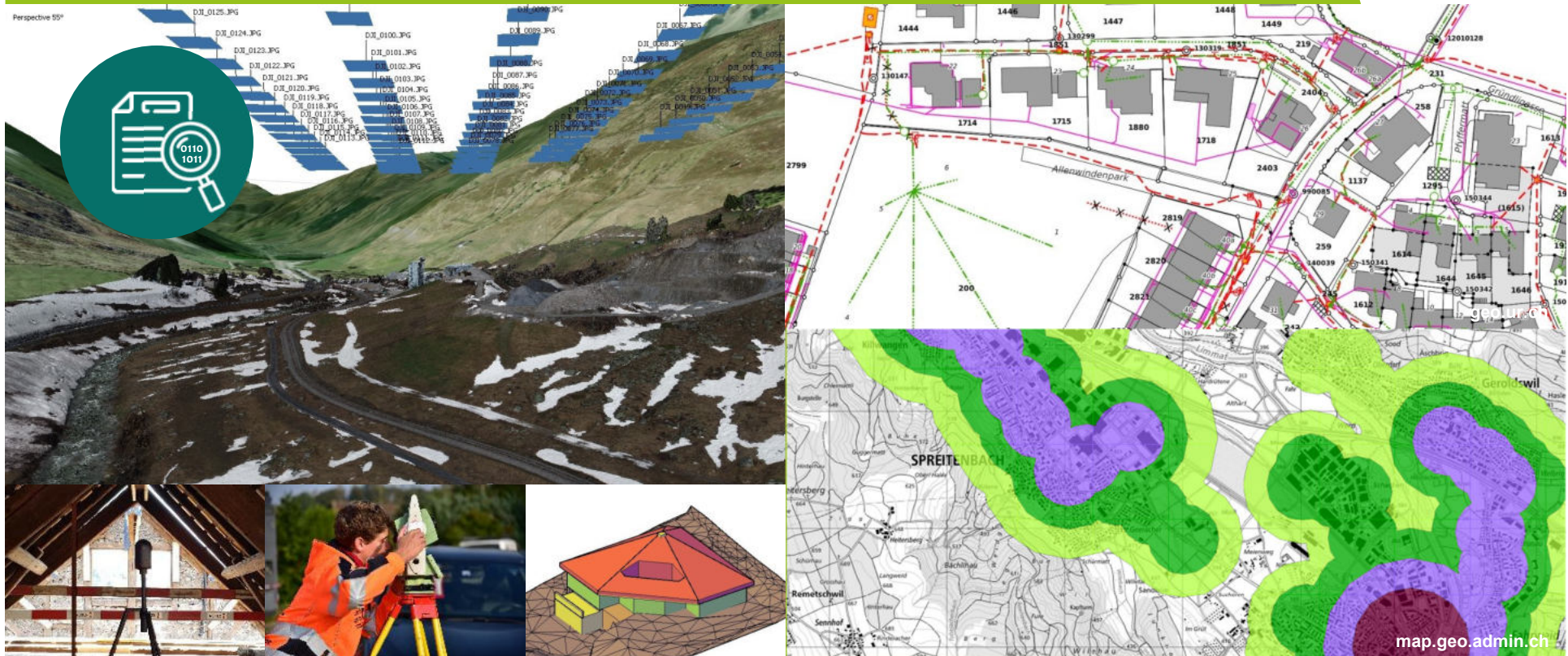
- Digitalisation*:
“The automation of work and production processes with the support of technologies”
- Characteristics:
 - (Static) Data in focus
 - Sender-oriented mindset
- Digital Transformation*:
“Holistic renewal of an organisation including the potential of digital technologies”
- Characteristics:
 - Process-oriented
 - Involving customers and partners
 - Agile-dynamic
 - Variety of data and information

*Peter, Marc K. (Hrsg.) 2017: *KMU-Transformation: Als KMU die Digitale Transformation erfolgreich umsetzen. Forschungsergebnisse und Praxisleitfaden*. FHNW, Olten

We map the physical world...

Capturing new data - using existing data

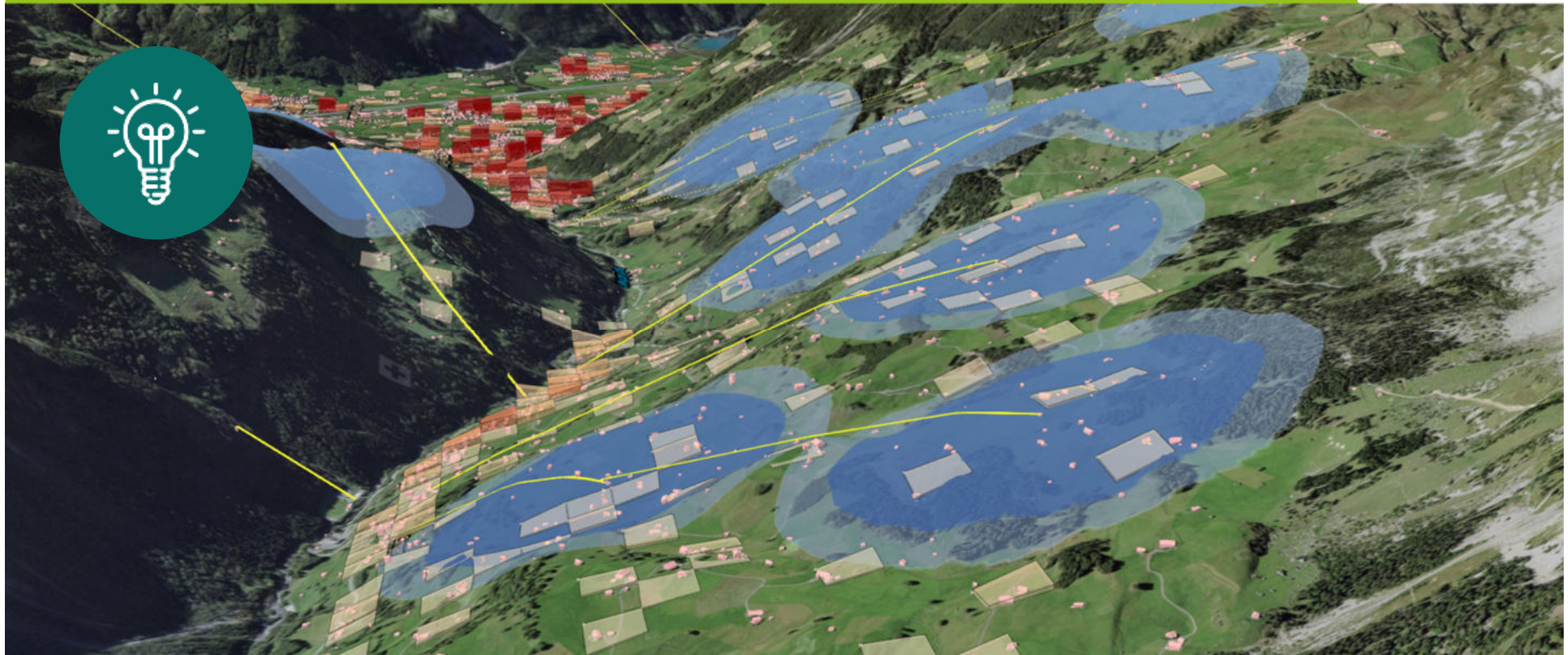
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... combine, visualize and contextualize...

Making interrelationships visible – creating facts

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... and integrating actors and knowledge.

Enabling complex participatory processes

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Role of the private sector

- Current challenges show the need to move away from data to processes and tasks.
- With our understanding of living space development processes, we can make an important contribution
- Change from geo-data provision to integration of diverse data for use in specialised processes requires new software architecture
- The CSDILA platform is the way forward for me



My vision...

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