## **SIG WORKING WEEK 2023**

28 May - 1 June 2023 Orlando Florida USA

Protecting Our World, Conquering New Frontiers

# Freedonte-The entry of the ent

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G Working Wee







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#### The Legal Framework

*"If a legal system does not provide the instruments to create 3D property, there is no need for a 3D cadastre at all." –* Hendrik Ploeger, 2011

N46°18'10"E

68.55

546 18'10'W

33,46

S46°18'10'W 23 0/49/

2.85

10200 101010

S46°18'10'W 151.12 18'10"E

54

58 53

S46°18'10'V

S46°18'10'W

Cadastral Purpose

Data courtesy: Bluesky International, City of Boston

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59 (2) (2) (3)

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#### **Digital Twins**

a platform for collaboration across domains

through virtual representations of the real world including physical objects, processes, relationships & real-time behaviors



#### Data Assessment



#### **Reality Capture**

A catalyst for digital twin adoption

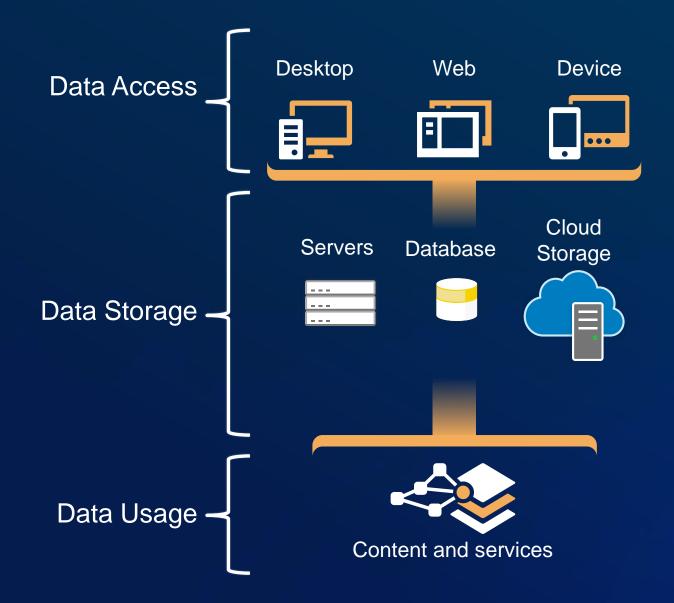
overcoming the *3D barrier* through automation intuitive to *non-experts connecting people across domains* 

#### Data Capture

Creating accurate digital representations of the world



#### Data Storage



#### **GIS Interconnects & Integrates**





. . Modeling the complete Lifecycle

#### GIS Is a Content Sharing Platform

Supporting GIS Professionals and Organizations

Millions of Users . . . Tens of Millions of Shared . . . Maps, Datasets and Apps

Search & Discovery

Public & Private Sharing

Collaboration

Management & Administration

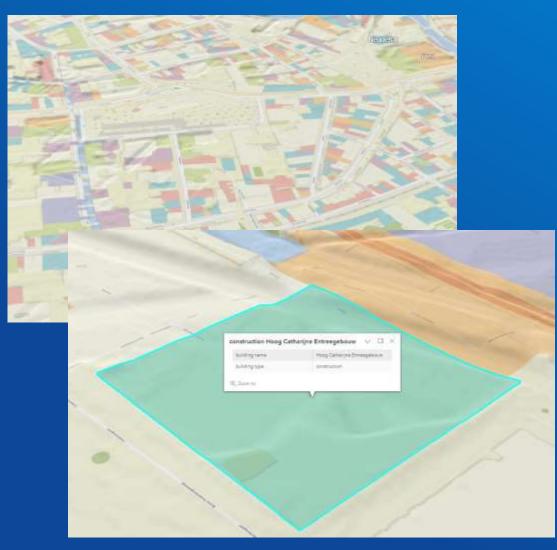
Security

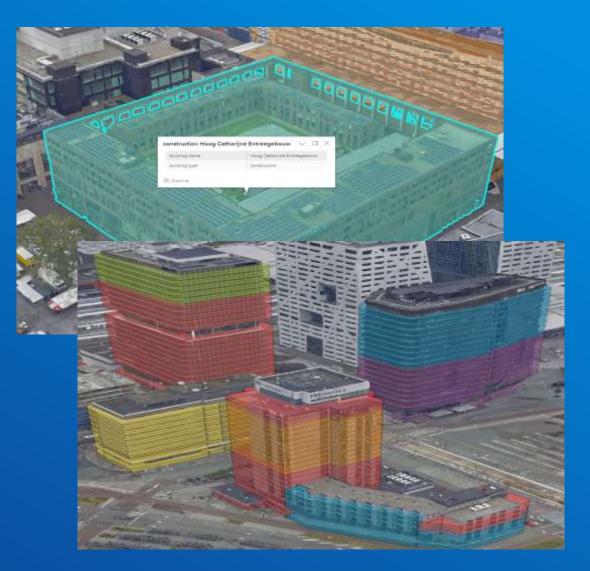
Metadata

**Open Data** 

Massive . . . Rapidly Growing . . . . . . A Key Aspect of Geospatial Infrastructure

### Intuitive Integration of 2D and 3D





Interactive web applications build public trust



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- Understand the legal requirements
- Determine the purpose of your cadastre
- Use Fit-for-purpose data collection techniques
- Leverage the capabilities of GIS







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## Thank you!





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