



[\*\*CLICK TO KNOW MORE\*\*](#)





# 4IR Transforming Geospatial Knowledge Creation & Mgmt

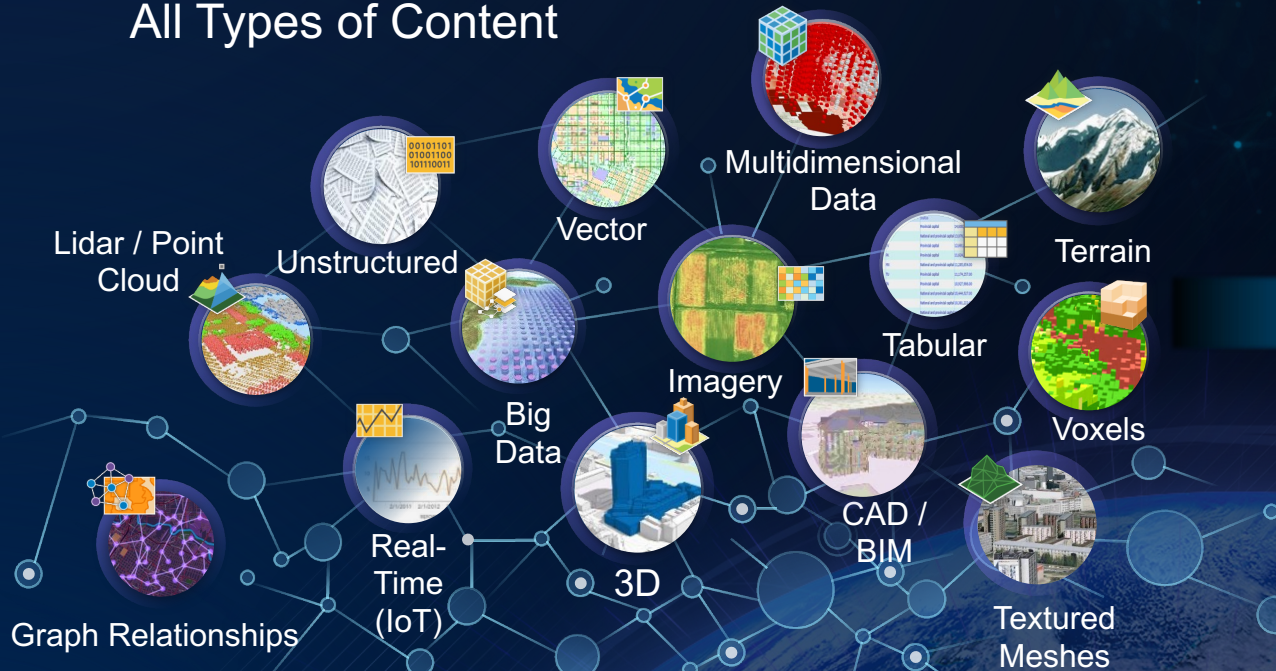
Mark Cygan  
Esri  
Director, National Mapping Solutions



# Geospatial Knowledge Infrastructure

From Data to Knowledge

Integrating  
All Types of Content



Supporting Many  
Applications

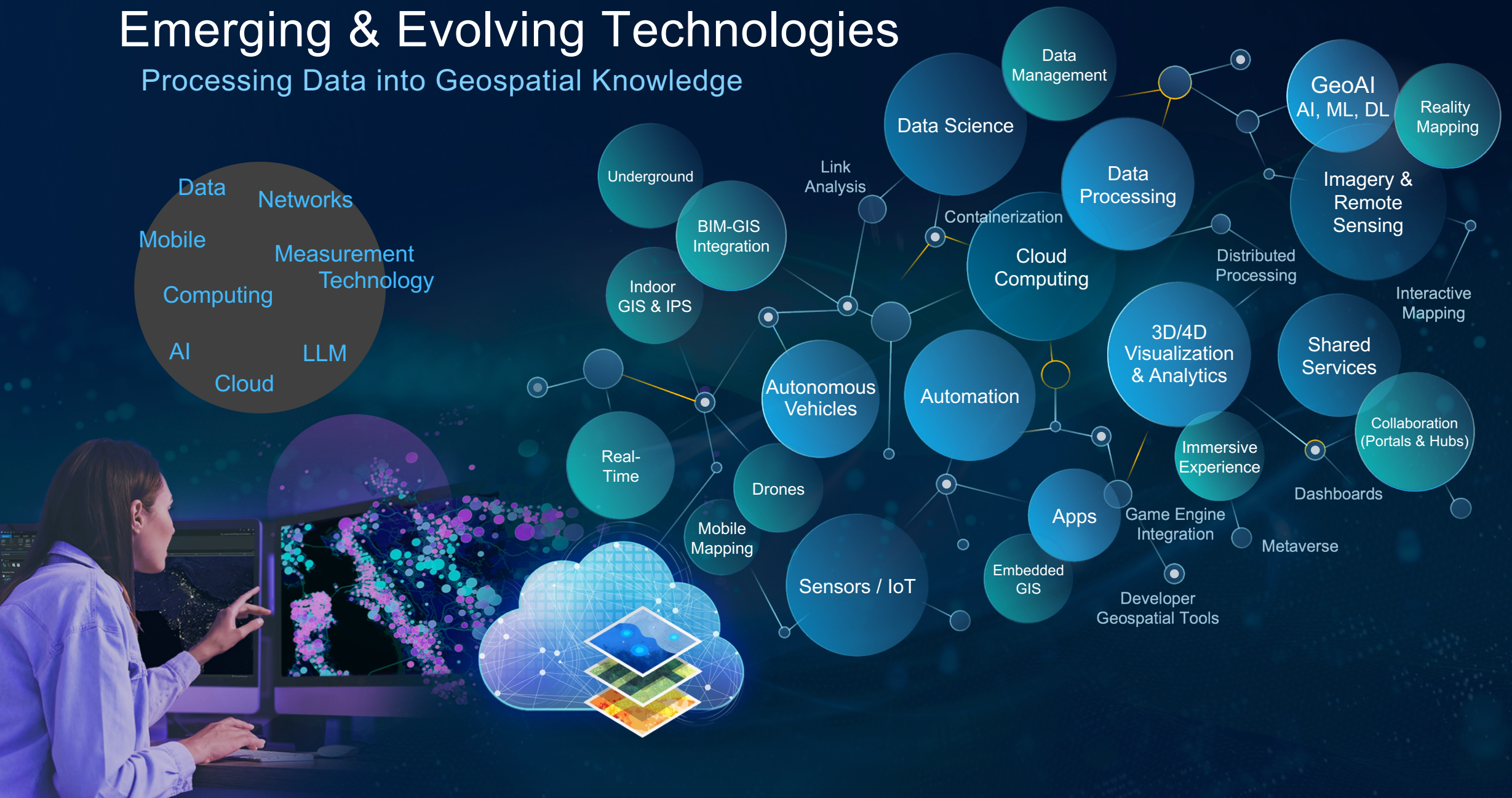


Accessible  
Anywhere



# Emerging & Evolving Technologies

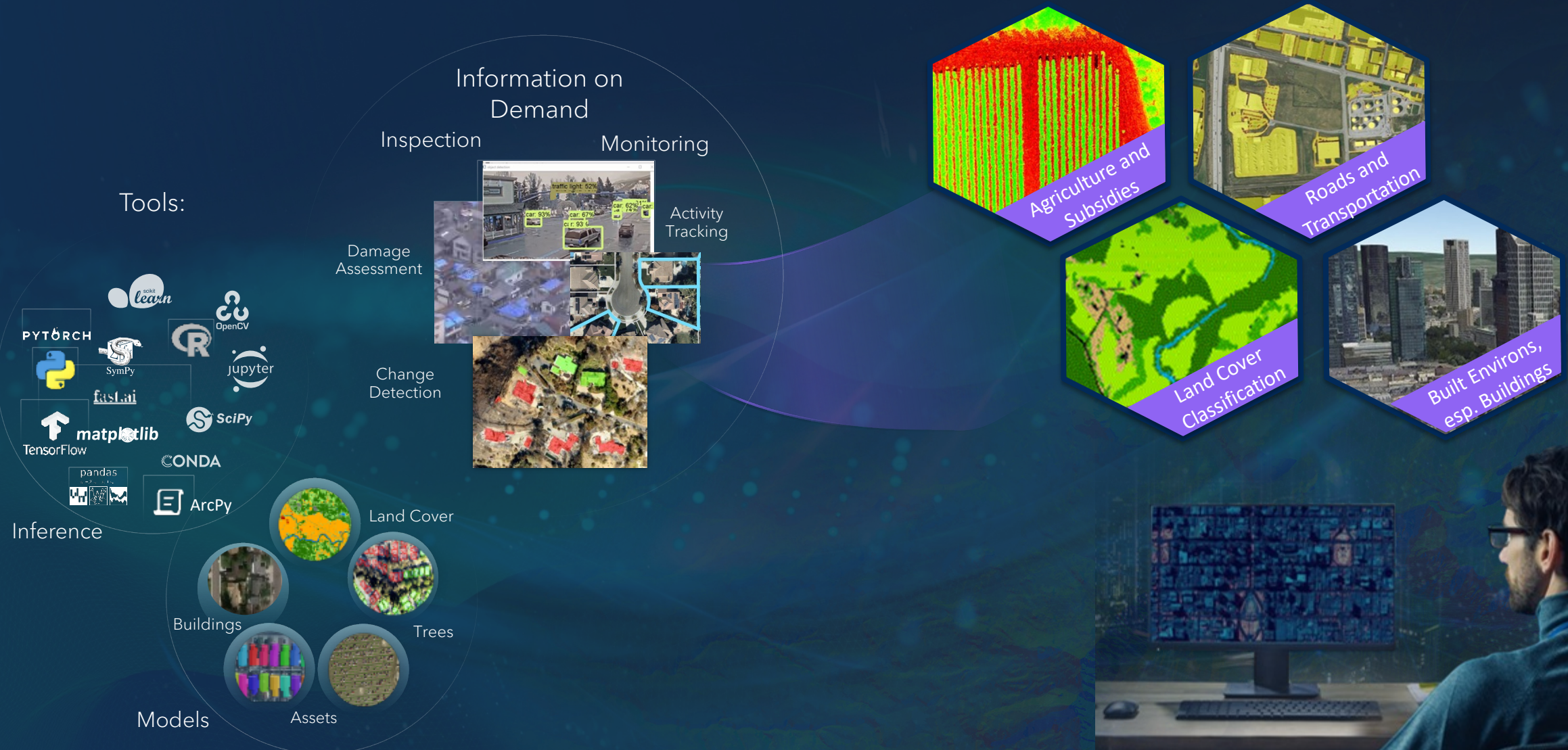
Processing Data into Geospatial Knowledge





# GeoAI – GIS, AI and Deep Learning

## Feature Extraction at Scale





# Well-Architected Geospatial Systems

IT Strategies Enable the Development of Knowledge



**Integration**



**Reliability**



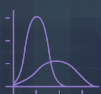
**Performance  
& Scalability**



**Automation**



**Security**



**Observability**



# Stakeholders of the Geospatial Ecosystem

- Government
- NGOs
- Industry
- Academia
- Citizens





# National Mapping & Geospatial Authorities

Have Important Roles to Play

APPLYING  
THE GEOGRAPHIC  
APPROACH

Understanding Key ESG Priorities . . .  
. . . and Serving Base Data to Address Them

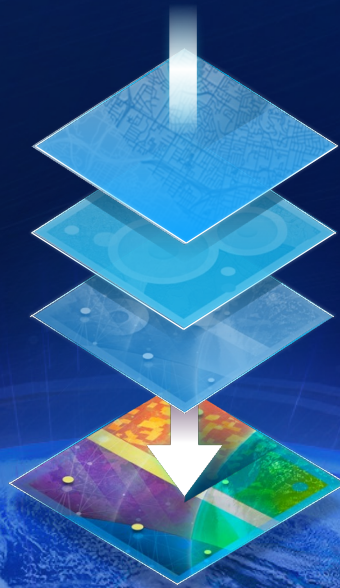
Leveraging Technology to Provide  
Information When and Where Needed

Leveraging the Latest Science  
and Technology

Creating Holistic  
& Sustainable Solutions

Collaborating and Sharing

Maintaining  
Public Trust





# Speakers



Keynote Address

**Jeroen Zanen**

Founder & CEO  
AI-Infrasolutions  
The Netherlands



**Chris Williams**

Head of Digital Mapping  
British Geological Survey  
UK



**Vikrant Nashine**

Global Delivery Head - GIS  
Tech Mahindra  
India



**Brenda Alejandra MUNOZ De Luna**

Head of Department of Geosystems  
National Institute of Statistics and  
Geography (INEGI)  
Mexico



**Jasmin Catic**

Senior Expert, Spatial Data  
Infrastructure Geoportal  
Federal Administration for Geodetic  
and Real Property Affairs  
Bosnia & Herzegovina