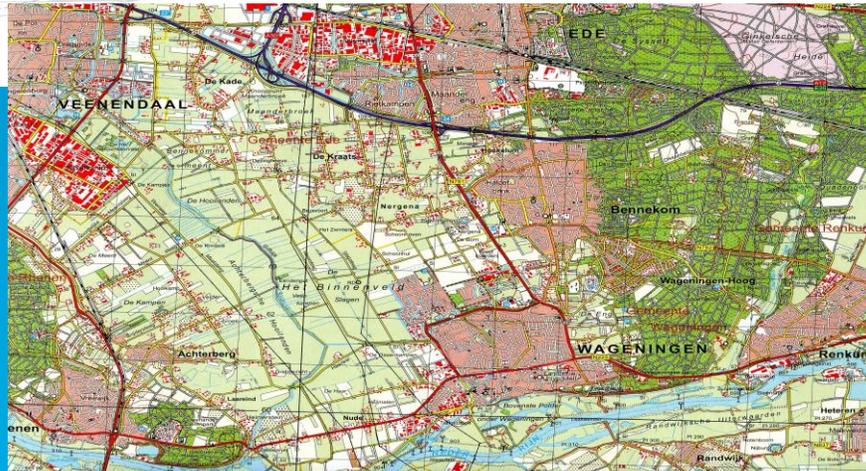
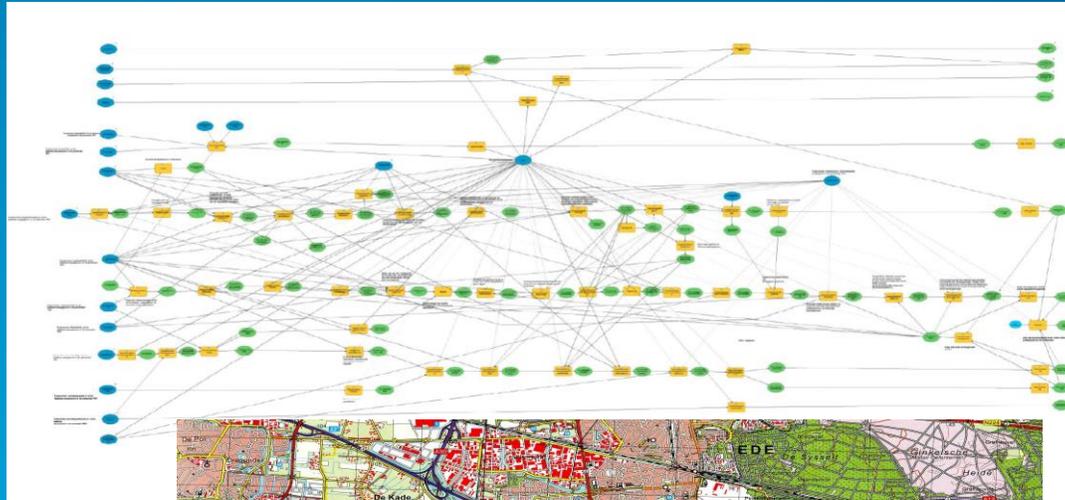




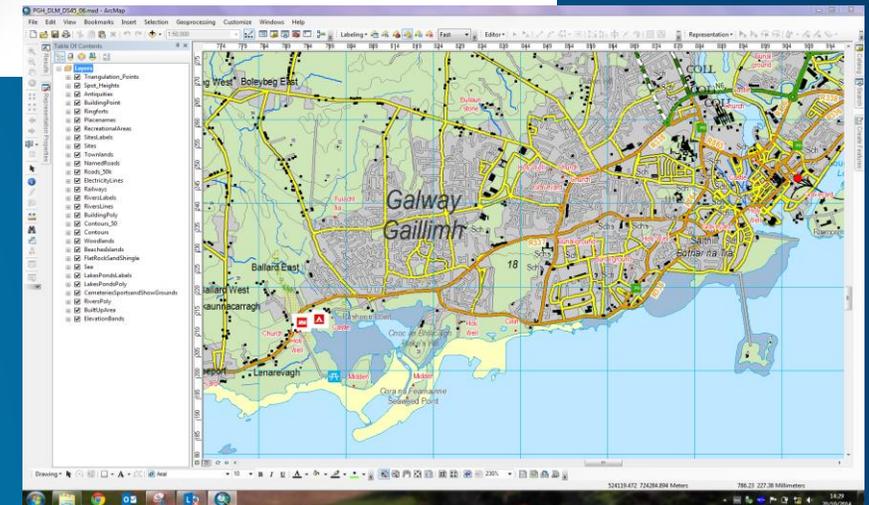
# Industry Support for Future NMGAs

Mark Cygan

# Collaboration on Innovations



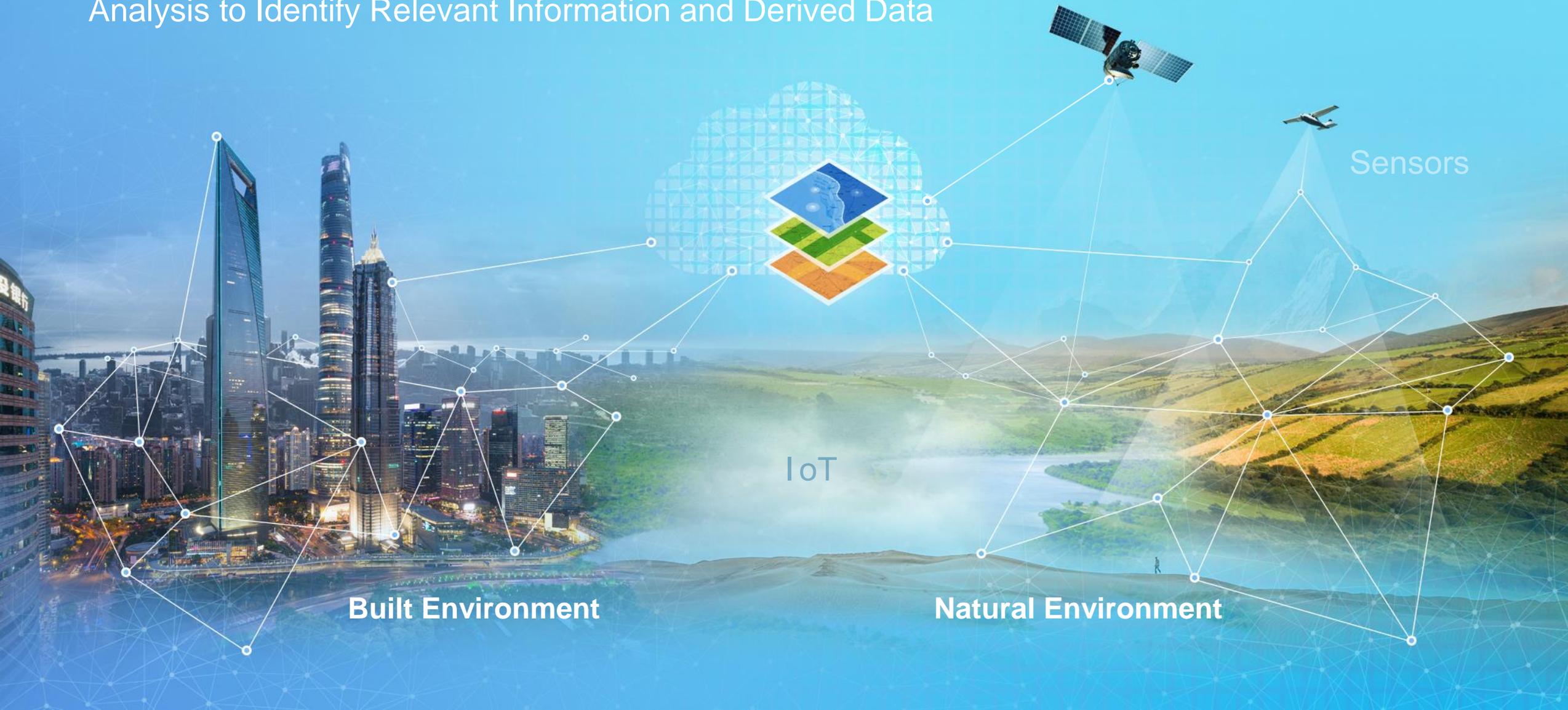
Dutch Kadaster



Ordnance Survey Ireland

# Integrating Real-Time Data

Analysis to Identify Relevant Information and Derived Data



# Working Together in the Same Ecosystem

With Each Other and Our Common Customers

Enabling  
Collaboration

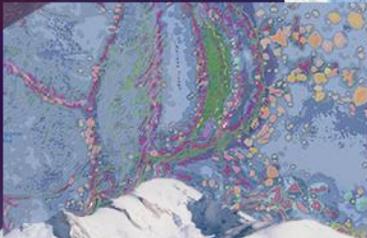
Systems of Systems



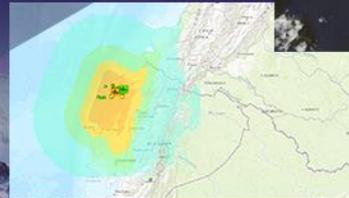
*Enabled by Portals and Services . . .  
. . . Leveraging Each Others Distributed Data and Analytics*

# Living Atlas of the World

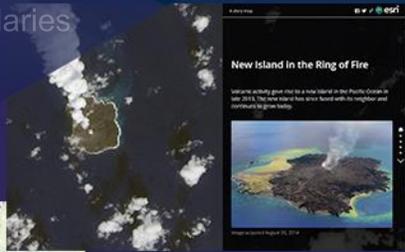
Basemaps



Oceans



Boundaries



Weather



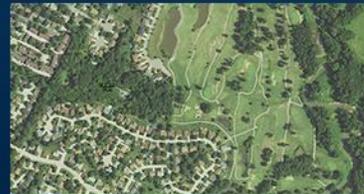
Hazards

Historical

Urban Systems

Terrain

Imagery



Demographics



Soils



Hydro

Land Cover

Habitats



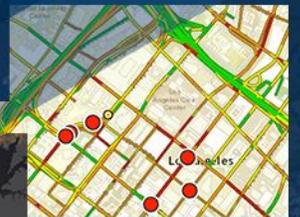
Landscape



Elevation



Observations



Transportation



# Delivering Answers to Questions

Creating a System of Engagement with our Users



# Smart Communities are Hubs





esri

THE  
SCIENCE  
OF  
WHERE