



GWFF

GEOSPATIAL WORLD FORUM

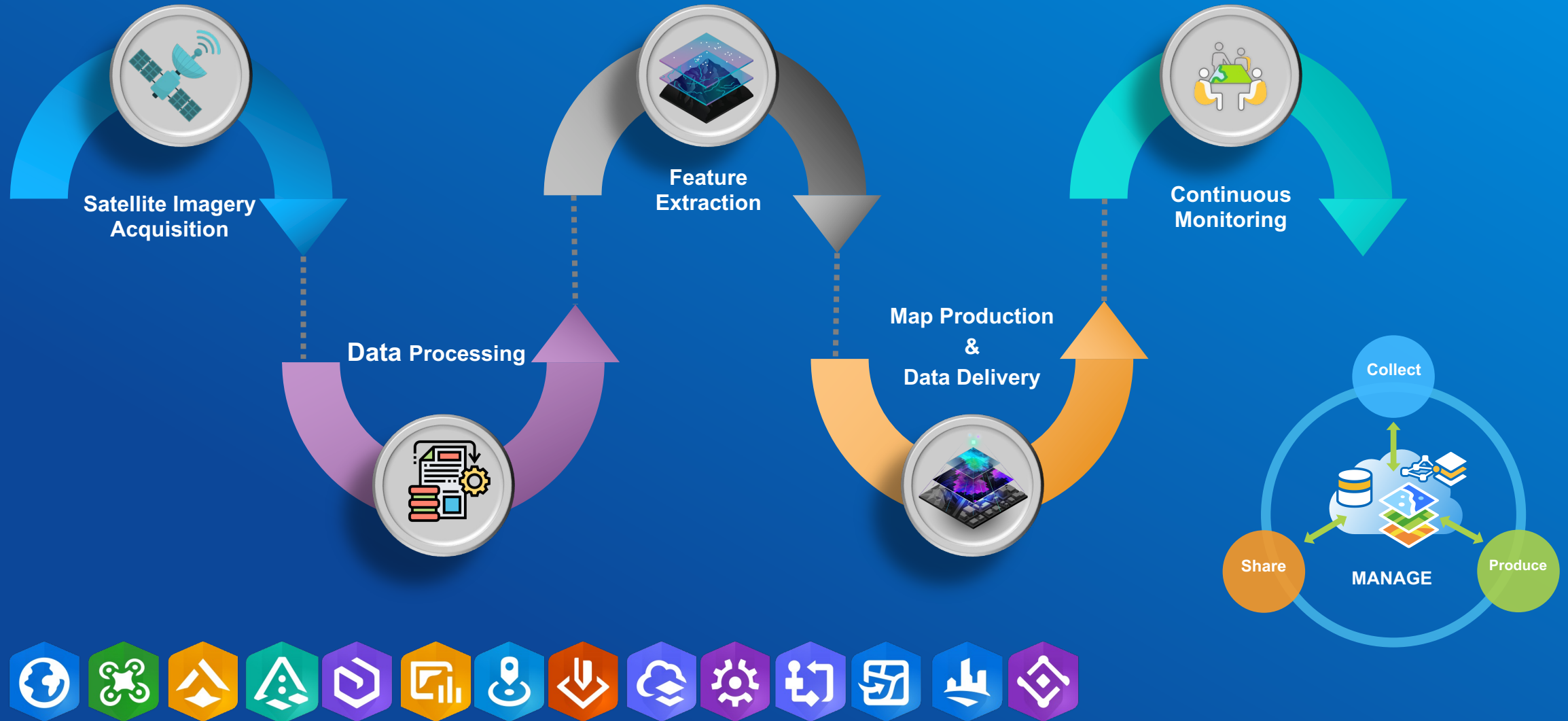
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Earth Observation as a service for National Mapping

Agendra Kumar

Managing Director - Esri India

Earth observation – Role and Process



Challenges



Budget Constraints

Budget challenges and the need for organization modernization.



Data Policies

Proving relevancy in light of increasing commercial alternatives.



Infrastructure

Cloud migration
APIs
Micro Services



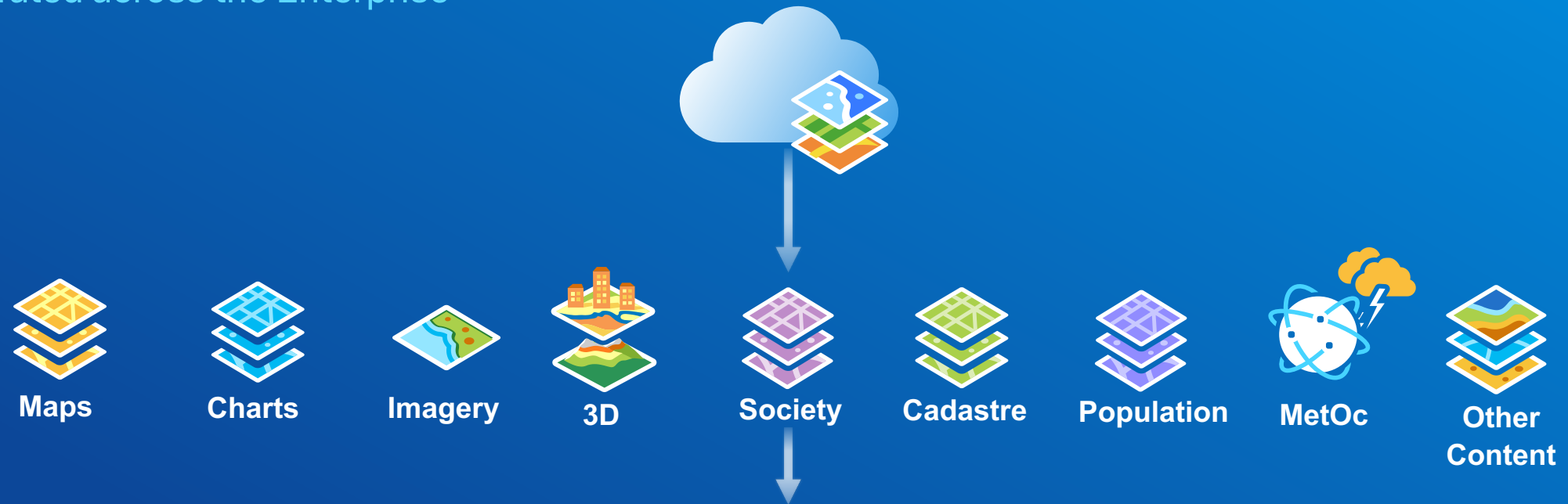
Frequency / Updates

Quick view of archives of satellite data products and frequency of acquisitions

Foundation Datasets

Collects, manages, produces and shares foundational geospatial information

Integrated across the Enterprise



System of Record



Mapping, Charting
& Surveying



Land
Administration



NSDI



Census &
Statistical



Imagery & 3D

Web GIS

Streaming ready-to-use content on demand ...



Web services
Web data layers
APIs

... geospatial infrastructure is the technology enabler

GIS portals are the key to geospatial infrastructure

Organizing content and capabilities, making it available

Supporting Multiple
Communities &
Initiatives

Portal

Open

Integrating
Distributed Services



SCAG Regional Planning



FEMA Disaster Response



CMRA Portal

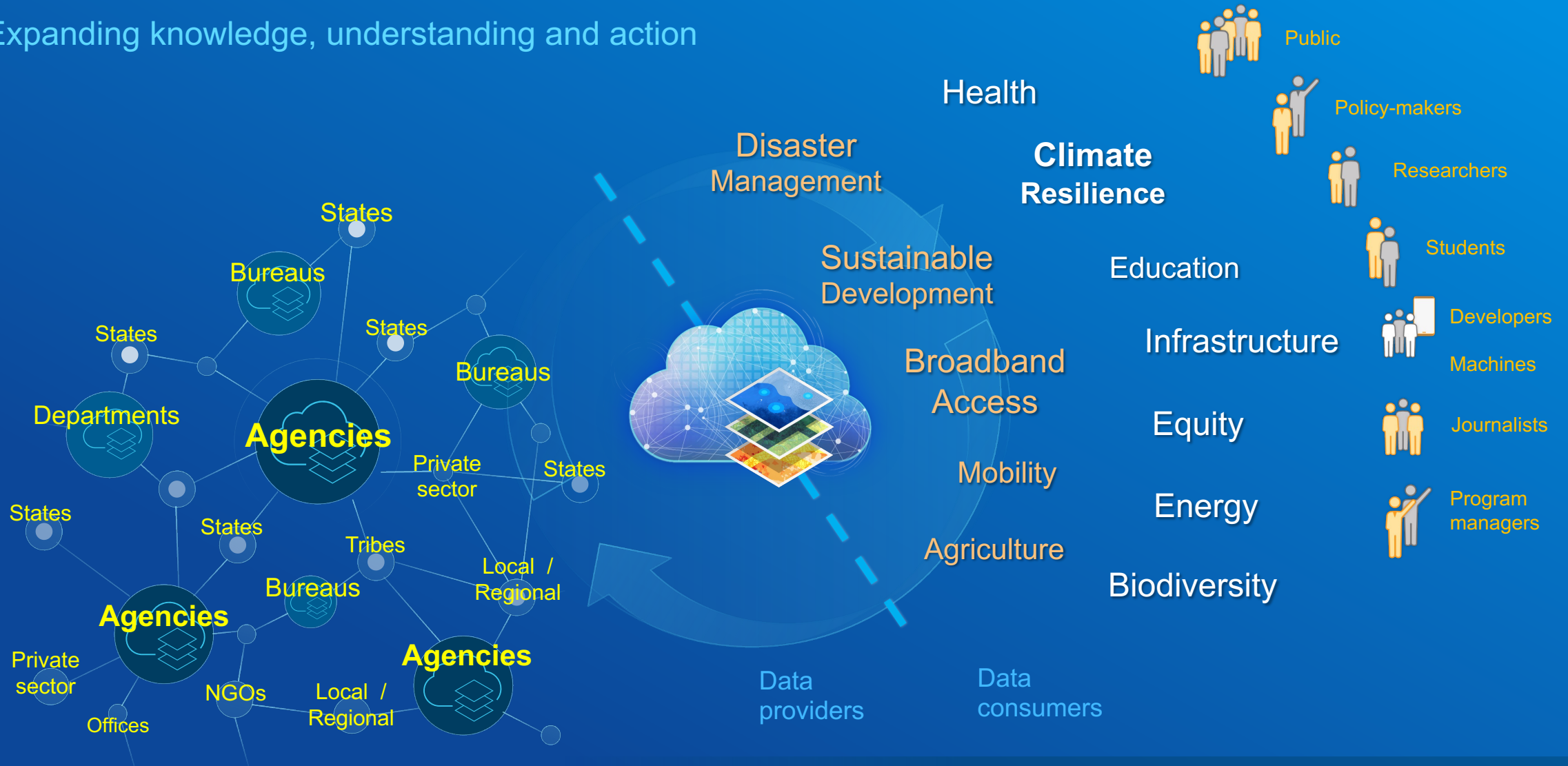


Hubs

Enabling dynamic integration and collaboration

Connecting Data Providers and Users

Expanding knowledge, understanding and action



Enabled by integrated geospatial infrastructure

Growth Opportunity

Supporting Individuals . . .
. . . and Organizations of All Sizes

GIS at scale...

Communities

Organizations

Departments

Teams

Individuals

Engaging
Everyone

Sharing and
Collaborating

Portals and
Hubs

Interconnecting distributed
geospatial services

Leveraging services-based
architecture

Connecting people, organizations, communities

