GEO Blue Planet
5th Symposium

Local action in support of global traction

24 - 28 Oct 2022 | Accra, Ghana
Creating maps and apps using the ArcGIS Living Atlas

Pauline, Solution Engineer - Esri
Sustainability Requires . . .
We See the World as One Single Ecosystem
Geography Provides the Science & Language to Do This

- Organizing & Integrating All the Factors
- Illuminating Patterns & Discovering Relationships
- Social Systems
  - Peace
  - Health & Welfare
  - Equity & Equality
  - Education
- Economic Systems
  - Industrialization
  - Energy
  - Infrastructure
  - Financial
- Environmental Systems
  - Oceans
  - Climate
  - Biodiversity
  - Water
  - Forests

Enabling The Geographic Approach
Providing a Framework for Understanding and Applying Our Knowledge
The Geographic Approach

A Way of Thinking and Problem Solving That Integrates Geographic Science & Information Into How We Understand and Manage Our Planet

- Science Based
- Integrated
- Holistic
- Collaborative
- Spatial Understanding

...An Inclusive and Multi-Disciplinary Process Supporting Multi-Objective Solutions Impacting Every Sector of Society

GeoScience and Understanding
The Geographic Approach
Enables Us to…

<table>
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<th>Regulatory</th>
<th>Management</th>
<th>Collaboration</th>
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<td>Promote equitable access to the natural environment</td>
<td>Protect, restore and manage our natural resources</td>
<td>Improve quality of life through collaboration in protection of our resources</td>
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Understand
Current Landscape

Mapping & Visualization
Data Management
Field Mobility
Monitoring
Analytics

Plan
A Sustainable Future

Design & Planning
Decision Support
Constituent Engagement
Sharing & Collaboration

Act
Collaborate and Engage

Constituent Engagement
Sharing & Collaboration
ArcGIS includes a Living Atlas of the World

Curated Collection of Ready-to-Use Maps, Layers, and Apps

- Over 10,000 High-Quality Items
- Billions of Maps Served Daily
- Updated Continuously

Land Cover  Basemaps  Environment
Habitats  Transportation
Demographics  Landscape
Movement  Infrastructure
Hydro  Imagiery
Imagery  Boundaries
Biodiversity  Elevation
POI  Oceans
Weather  Soils
OpenStreetMap  2D and 3D Layers

Built from Best Available Commercial and Community Sources

Real time feeds
ArcGIS Living Atlas of the World

The world’s foremost collection of geospatial information

Explore Living Atlas →
Resources

1. Esri Ocean Science
   - Resources: https://www.esri.com/en-us/about/science/resources#ocean
   - Hub: https://oceans-esrioceans.hub.arcgis.com/

2. ArcGIS Living Atlas of the world
   - Content: https://livingatlas.arcgis.com/en/browse/#d=2&categories=Environment%3A0100000000
   - Ecological Marine Unit explorer: https://livingatlas.arcgis.com/emu
   - Indicators of the planet: https://experience.arcgis.com/experience/003f05cc447b46dc8818640c38b69b83


4. Create an account to visualize and analyze marine data then create apps:
   - Developer account: https://developers.arcgis.com/sign-up/
Thank You.
Medaase.
Oyiwaladon.