

Agenda

- The Living Atlas includes a collection of Green Infrastructure resources
- Introduce some Green Infrastructure Concepts
- Introduce 6 Step GIC GI Planning Process
 - Set Goals → Review Data → Map GI Assets → Assess Risk → Determine
 Opportunities → Implement
- Introduce Esri's Green Infrastructure Initiative
- Four Cornerstones
- Website & Demonstrations of Apps and Geoplanner

ArcGIS includes a Living Atlas of the World

Maps and Layers from Esri and Thousands of Contributors



Transportation Weather Historical Landscape 😤 Urban Systems Boundaries <u>s</u> Land Cover O Hazards

Content is Published by Esri, Users, and Partners

Built by the ArcGIS Community and Curated by Esri

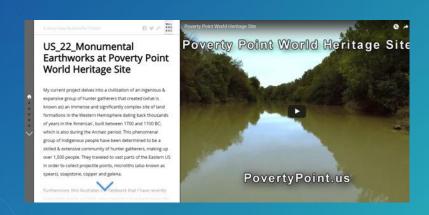




User Contributor Comment

"Lastly, it's truly a pleasure to have my work represented on a platform of this magnitude. I can't begin to express my gratitude, truly."

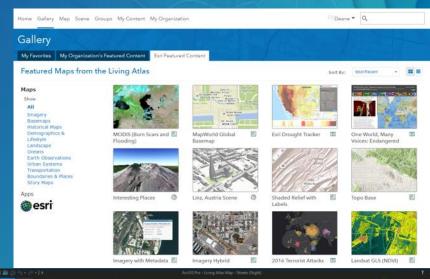
Jennifer Trotter, Journalist & Blogger



Accessing the Living Atlas through ArcGIS

Multiple ways to Experience the Living Atlas through ArcGIS Apps

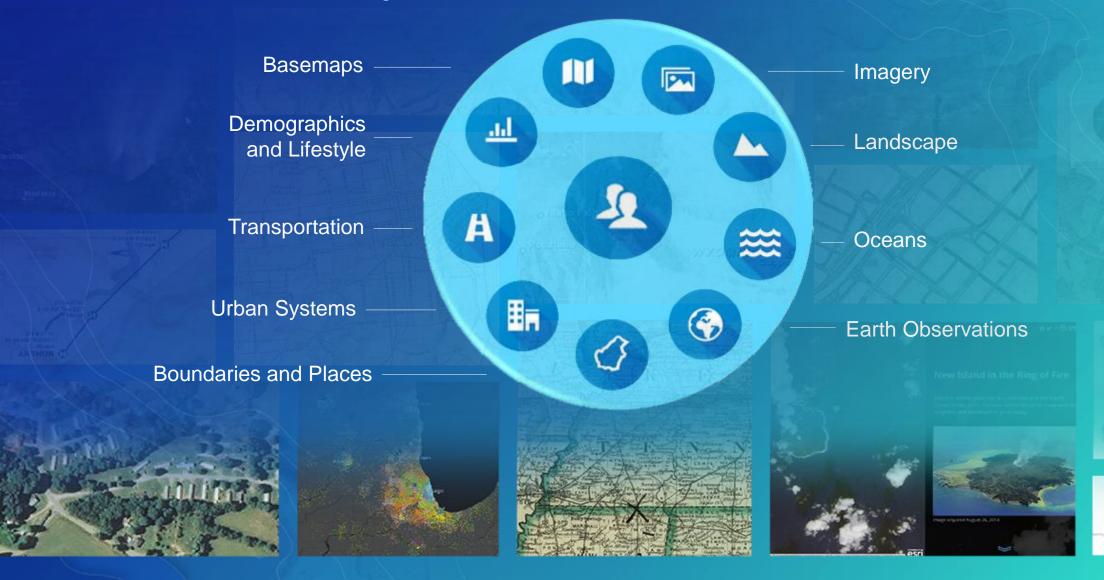
- ArcGIS Online & ArcGIS Enterprise (Portal) 10.5!
 - Gallery: Esri Featured Content
 - Add Data: Browse Living Atlas Layers
 - Analysis: Choose Living Atlas Layers
- Living Atlas of the World Website
 - livingatlas.arcgis.com
 - Browse and preview maps, layers, and tools
 - Contribute maps, layers, and data
- ArcGIS Desktop
 - ArcGIS Pro 1.2+
 - Open Maps, Add Layers, Perform Analysis





Esri Content Portfolio within Living Atlas

Esri Content Portfolio within Living Atlas



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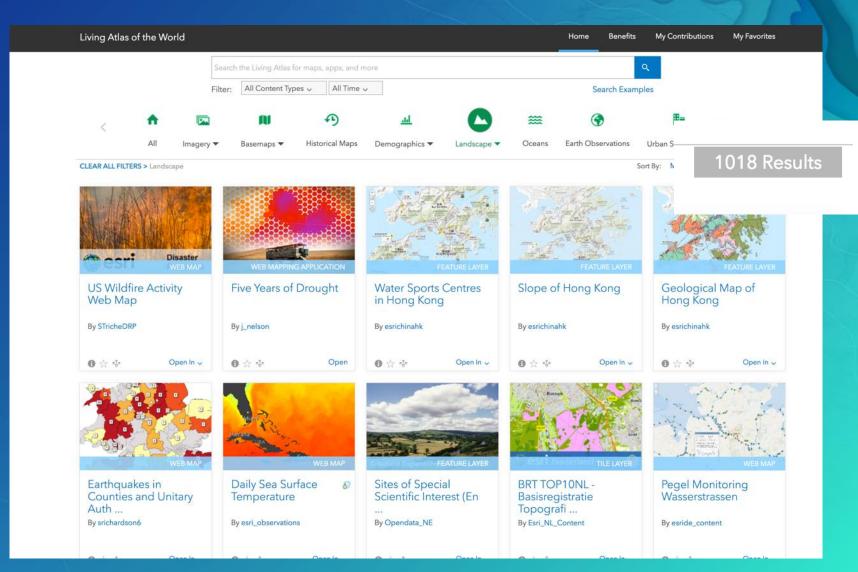
How to Participate in the Living Atlas Community

- Living Atlas Community includes:
 - Contributors: who publish content that is included in the Living Atlas
 - Curators: who review, approve, and organize content that is included in the Living Atlas
- Living Atlas Contributors can participate by:
 - a) Publishing content directly through ArcGIS Online
 - b) Publishing content indirectly through Community Maps
- Go to livingatlas.arcgis.com to Get Started!

What's available in the Living Atlas for green infrastructure?

The Living Atlas Contains 1000+ Landscape Items

- Apps
- Story Maps
- Web Maps
- Layers
- Many green infrastructure items within



The Green Infrastructure Collection

www.esri.com/greeninfrastructure

Living Atlas of the World THE GREEN INFRASTRUCTURE COLLECTION

Explore green infrastructure related maps and apps in the Living Atlas, made readily available by your peers for you to leverage. Find imagery, demographic, and other relevant data that you can use to build your green infrastructure strategy.







ECOLOGICAL ASSETS



CULTURAL ASSETS



SCENIC ASSETS



HAZARD ZONES



CONSERVATION



BOUNDARIES



ParkScore® Index 2016



Prime Agriculture



Green Infrastructure High Mo.



Intact Core Habitat Areas



National Map of Green Infras..





Building a National Intact Ha..

Sample Green Infrastructure.



New Mexico Green Infrastruc.



Prioritize Your Intact Landsca..





Enabling Apps For Green Infrastructure Planning Ryan Perkl

Green Infrastructure (GI)

is a strategically planned and managed network of open spaces, natural lands, wildlife habitats, parks, and other assets that provide communities with the vital services that enrich and sustain their quality of life.

Enabling Apps For Green Infrastructure Planning

Ryan Perkl

Green Infrastructure Planning

seeks to situate land development and land conservation together in a way that leverages natural environmental patterns. In so doing, green infrastructure promotes both conservation and smart growth.

Enabling Apps For Green Infrastructure Planning



---- Ryan Perkl

Green Infrastructure Planning reorders the traditional land development process by identifying, prioritizing, and protecting the landscapes most valuable assets first, as opposed to after development has already occurred.

Even in already developed areas, green infrastructure plans can illustrate resources that still need protection and highlight areas that would benefit from rehabilitation.

In this way, green infrastructure becomes a viable solution to many of our local and global challenges.

The Green Infrastructure Center outlines a six-step process for generating green infrastructure plans:

(1)

2

(3

4

5

6

Set Goals

Review Data

Map GI Assets

Assess Risk

Develop Opportunities

Implementation



Esri's Green Infrastructure Initiative

New Core Data



Source Data



Models







Newly generated national inventory of intact landscape cores Soon to come newly generated national connectivity assessment

New Core Data



Source Data



Models







A one stop location for downloading the most commonly used and authoritative data for GI planning

New Core Data



Source Data



Models







Freely available and configurable ArcGIS Desktop and Pro models for generating your organizations GI assets using your data

New Core Data



Source Data



Models







Apps that are both freely available and others that function with ArcGIS online for engaging in GI asset identification, prioritization, and customizable analysis

New Core Data



Source Data



Models





Live Demo



Esri GI Web Resources



Select Your Landscape Cores



Prioritize Your Landscape Cores



GI Planning with GeoPlanner

GI Resources shown

Esri Green Infrastructure Initiative Web Page: http://www.esri.com/about-esri/greeninfrastructure

GI Data:

Green Infrastructure Data Gallery

Intact Habitat Cores (map image layer)

Intact Habitat Cores (tile layer)

Intact Habitat Cores (web map)

Habitat Fragments (image layer)

Habitat Cost Surface (image layer)

Habitat Connectors (map image layer)

Habitat Connectors (tile layer)

Intact Habitat Cores by Connectivity Importance (image layer)

GI Apps:

Green Infrastructure Apps Gallery

Intact Habitat Near Me App

Landcover Change App

Select Your Intact Habitat Cores

Prioritize Your Intact Habitat Cores

Investigate Core Weighting

Conduct Landscape Analysis

Contact: Ryan Perkl, rperkl@esri.com

Learn more about GeoPlanner

- Trial http://doc.arcgis.com/en/geoplanner/trial/
- Purchase http://marketplace.arcgis.com
- Get started http://doc.arcgis.com/en/geoplanner/get-started/set-up.htm
- YouTube https://www.youtube.com/channel/UCc7DP2_GOqGGqCVXXfMNCNA
- Product page http://www.esri.com/geoplanner
- Geonet https://geonet.esri.com/community/gis/applications/geoplanner-for-arcgis
- Blog https://blogs.esri.com/esri/arcgis/2017/03/03/76191/
- Courses https://www.esri.com/training/catalog/search/
- Jump Start: Esri consultants help you get started with your data including providing hosting

Questions!



Esri GI Web Resources



Select Your Landscape Cores



Prioritize Your Landscape Cores



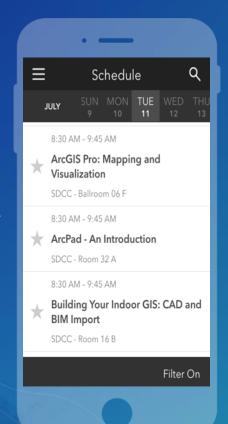
GI Planning with GeoPlanner

Please Take Our Survey on the Esri Events App!

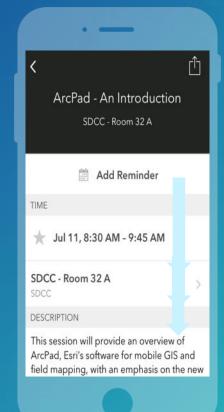
Download the Esri Events app and find your event



Select the session you attended



Scroll down to find the survey



Complete Answers and Select "Submit"



