

ArcGIS Online: Using the Portal

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Research Computing Services

<http://rcs.bu.edu>

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Please fill out tutorial evaluation: <http://rcs.bu.edu/eval>

BOSTON
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ArcGIS Online Tutorial Series

- **ArcGIS Online: Using the Web Portal - TODAY**
- ArcGIS Online: Map Viewer
- ArcGIS Online: StoryMaps

- Go to following link to register for the tutorials:

<https://www.bu.edu/tech/about/training/classroom/rcs-tutorials/#ARCGISMAPVIEWER>

Housekeeping

- This session is recorded.
- Will be published here:

<https://www.bu.edu/tech/support/research/training-consulting/access-training-materials/>

Link to Presentation:

http://rcs.bu.edu/examples/gis/tutorials/arcgis_online_portal/argis_online.portal.pdf

Need an ArcGIS Online account?

Fill out the following Google Form:

https://docs.google.com/forms/d/e/1FAIpQLSfNxpqz7ZDAVT5hQsqHOZ8ZfdN5ZqH9ZmxmG672MMiNdZefVg/viewform?usp=sf_link

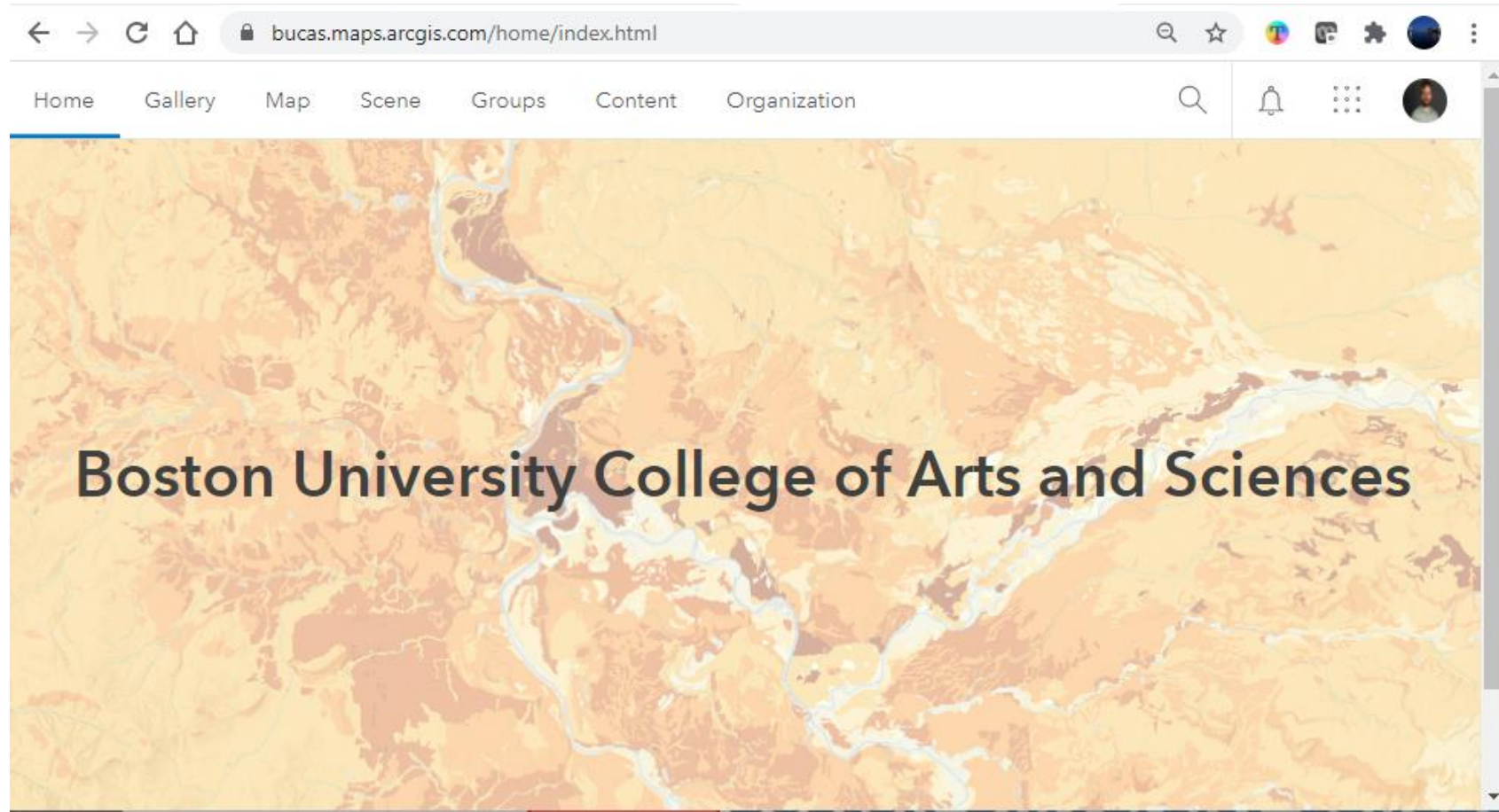
Outline

- **ArcGIS Online –What is it?**
- **Explore ArcGIS Online Portal**

ArcGIS Online – What is it?

ArcGIS Online – What is it?

- Cloud Platform



ArcGIS Online – What is it?

- Share data and maps with others

Gallery for Boston University College of Arts and Sciences

Search gallery

Grid Relevance Filter

Item Type

- Maps
- Layers
- Scenes
- Apps
- Tools
- Files
- Notebooks

> Location

> Date Modified

> Tags

> Status

MA Town Boundary
Municipal Boundaries from Census 2010 as a line feature class.

PM25_Annual_Average_2015...
PM2.5 Air Quality Annual Average in 2015 at Census Tract

Vulnerability in Massachusetts ...
This mapping tool was created to show differences in vulnerability in Massachusetts communities durin

Chelsea Summer 2017 Photo ...
Click Guest or sign into Twitter. There are 4 questions for each survey, but only the first 3 are required. If you

Finding Carrots: Food resourc...
This is a map showing different food

Lusaka District Boundaries 20...
This layer shows the District level


EOTMAJROADS_ARC
The official state-maintained major

Congregate Meal Program
Congregate Meal program member

ArcGIS Online – What is it?

- Create **Groups** to collaborate or share data with specific audience

Landsat Community



This is a group curated by Esri for sharing maps and applications created using Landsat imagery. These items access World-wide dynamic image services consisting of Landsat 8, as well as GLS Data created using scenes from Landsat 1 through Landsat 7.

owned by **esri**

Description


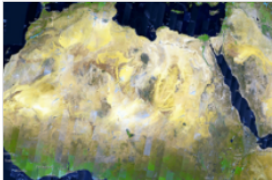
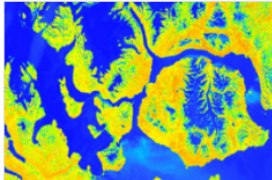
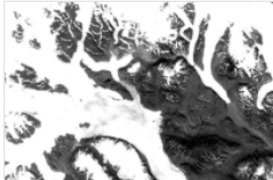
Global Land Survey (GLS) datasets are created by the U.S. Geological Survey (USGS) and the National Aeronautics and Space Administration (NASA) using Landsat images. These global minimal cloud cover, orthorectified Landsat data products support global assessments of land cover, land cover change, and ecosystem dynamics such as disturbance and vegetation health. Landsat represents the world's longest continuously acquired collection of space-based moderate-resolution land remote sensing data change research.

Esri provides a series of Landsat Image Services as dynamic image services allowing customers to explore the important information within this imagery. This includes band combination analysis for visualization (such as Natural Color, Infrared, Vegetative Change, **NDVI**) as well as many years of imagery to look at changes over time (1975, 1990, 2000, 2005, 2010).

Members of the Landsat Global Land Survey group have used this imagery in maps and applications to tell stories about how earth is changing over time.

Recently added content

[View All Group Content](#)

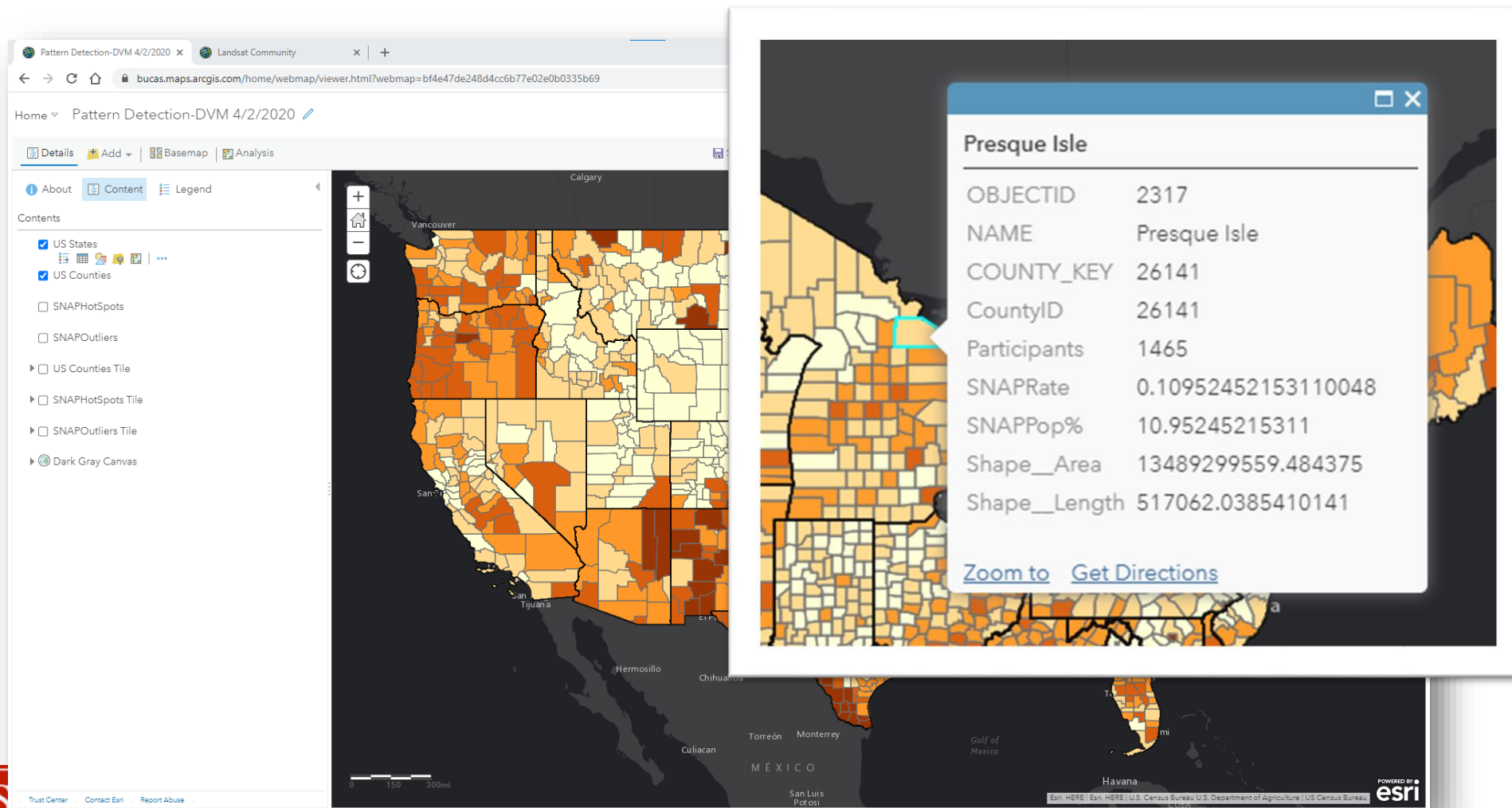
 <p>Landsat Explorer App by Esri Created: Jan 9, 2018 Updated: Jun 1, 2020 View Count: 5,458</p>	 <p>Landsat 8 Views by Esri Created: Dec 6, 2013 Updated: Dec 19, 2019 View Count: 179,055</p>	 <p>Landsat Arctic Imagery: NDSI... by esri Created: Jun 23, 2016 Updated: Dec 19, 2019 View Count: 1,010</p>	 <p>Landsat Arctic Imagery: Panc... by esri Created: Jun 23, 2016 Updated: Dec 19, 2019 View Count: 371</p>
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Additional Reading:

<https://doc.arcgis.com/en/arcgis-online/share-maps/share-content-with-collaboration-participants.htm>

ArcGIS Online – What is it?

- Import Data and Explore Data in **Web Map**.



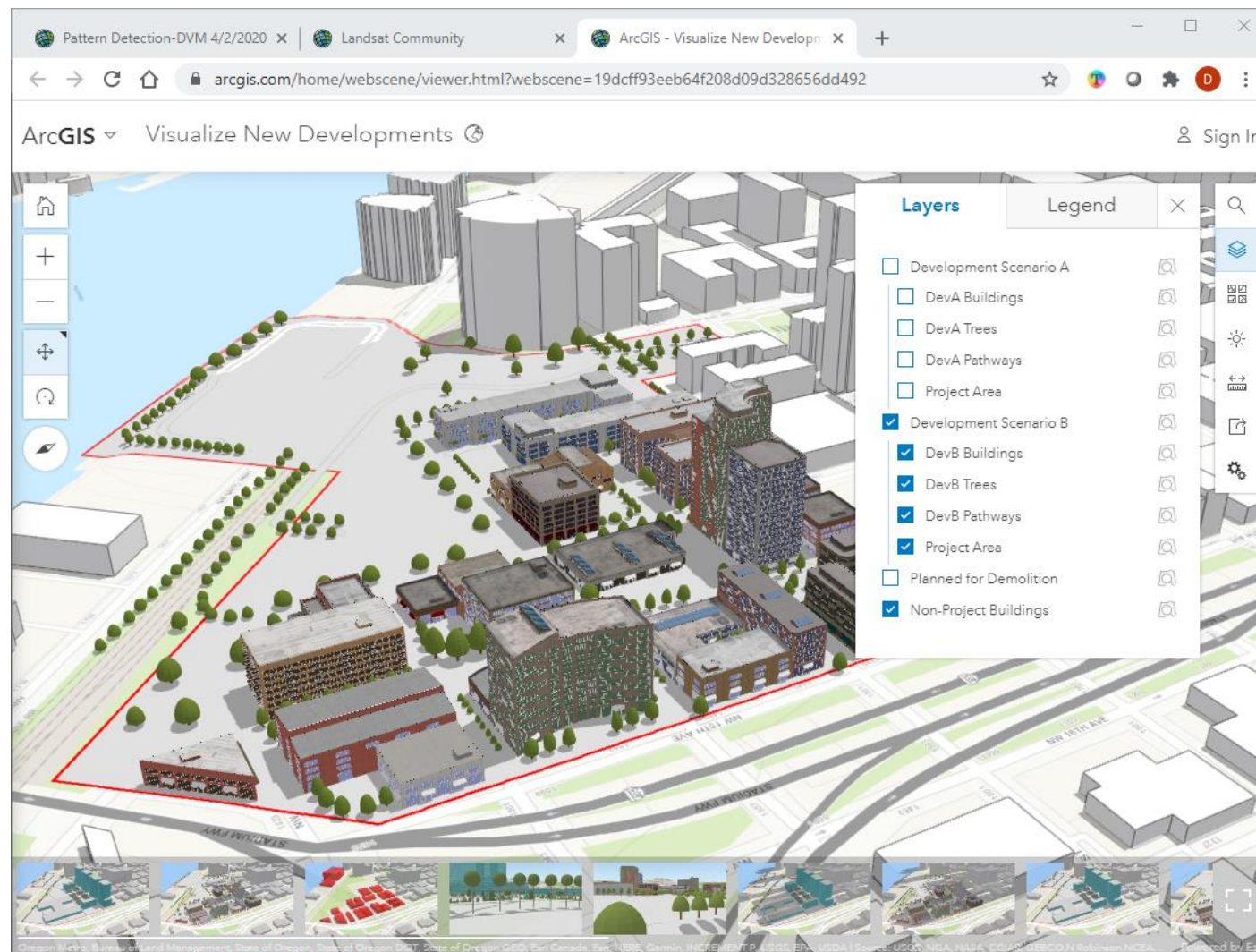
The screenshot shows the ArcGIS Online web map interface. The browser address bar displays the URL: `bucas.maps.arcgis.com/home/webmap/viewer.html?webmap=bf4e47de248d4cc6b77e02e0b0335b69`. The page title is "Pattern Detection-DVM 4/2/2020". The interface includes a navigation menu on the left with options like "About", "Content", and "Legend". The "Content" panel shows a list of layers, including "US States", "US Counties", "SNAPHotSpots", "SNAPOutliers", "US Counties Tile", "SNAPHotSpots Tile", "SNAPOutliers Tile", and "Dark Gray Canvas". The main map area displays a map of the United States with a data layer overlaid, showing a color-coded distribution of data points. A pop-up window titled "Presque Isle" is open, displaying the following data:

Presque Isle	
OBJECTID	2317
NAME	Presque Isle
COUNTY_KEY	26141
CountyID	26141
Participants	1465
SNAPRate	0.10952452153110048
SNAPPop%	10.95245215311
Shape__Area	13489299559.484375
Shape__Length	517062.0385410141

At the bottom of the pop-up window, there are links for [Zoom to](#) and [Get Directions](#). The map interface also includes a scale bar (0 to 300 miles) and the Esri logo.

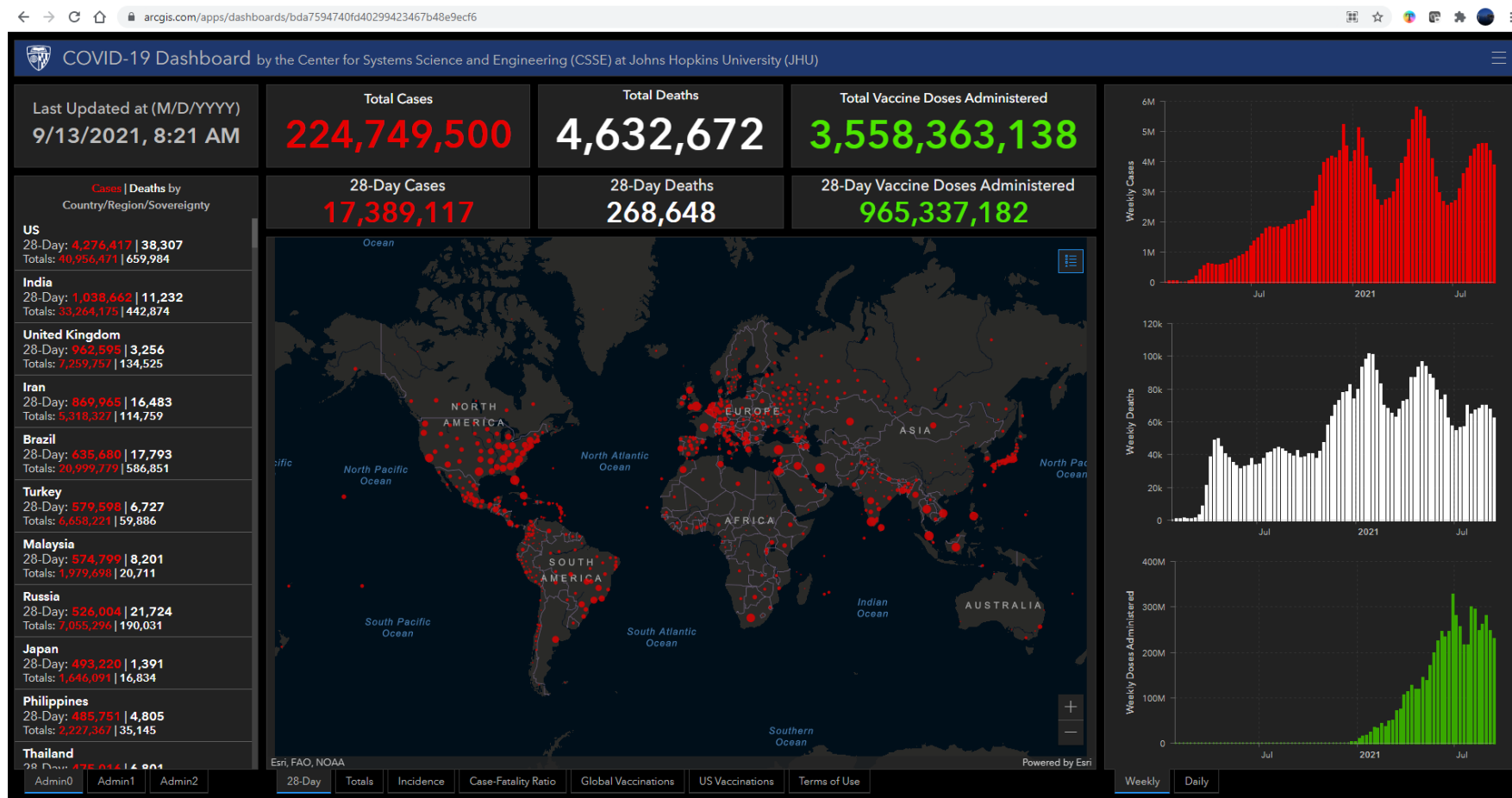
ArcGIS Online – What is it?

- Show data in 3D using **Scenes**



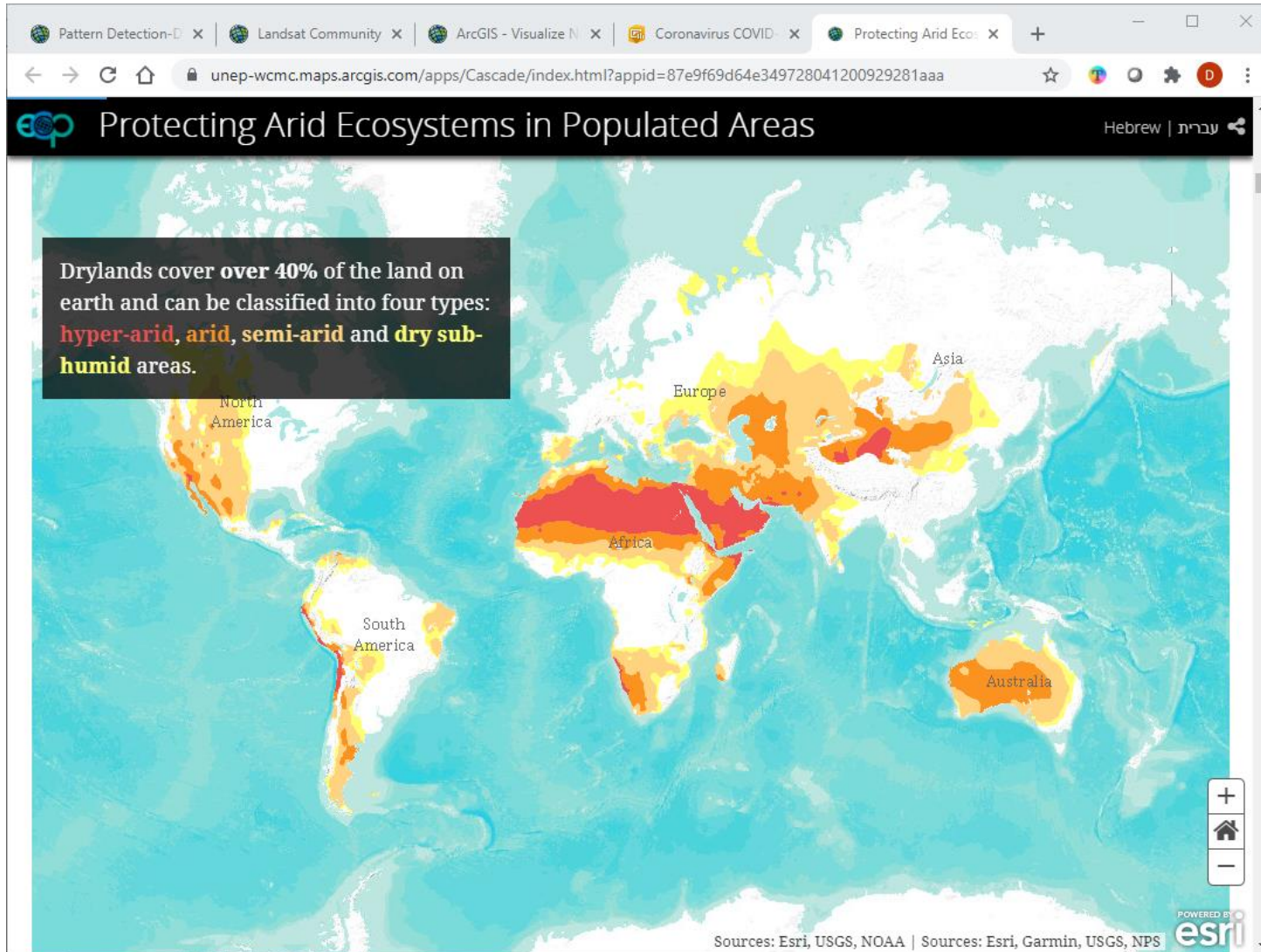
ArcGIS Online – What is it?

Create Applications (Apps) to share your findings.



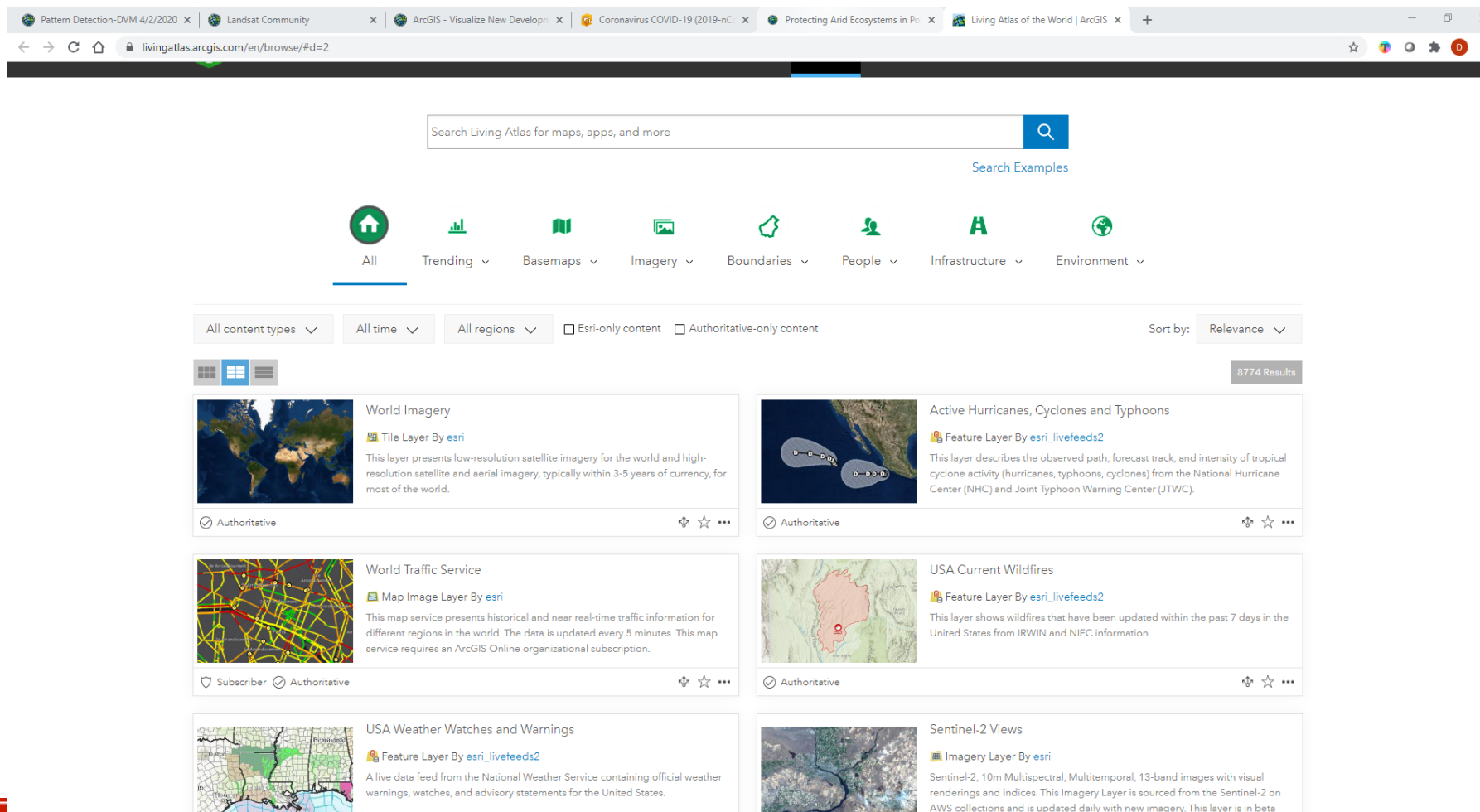
ArcGIS Online – What is it?

Create **Story Maps**.



ArcGIS Online – What is it?

Searching Living Atlas



Search Living Atlas for maps, apps, and more

Search Examples

All Trending Basemaps Imagery Boundaries People Infrastructure Environment

All content types All time All regions Esri-only content Authoritative-only content Sort by: Relevance

8774 Results

- World Imagery**
Tile Layer By esri
This layer presents low-resolution satellite imagery for the world and high-resolution satellite and aerial imagery, typically within 3-5 years of currency, for most of the world.
Authoritative
- Active Hurricanes, Cyclones and Typhoons**
Feature Layer By esri_livefeeds2
This layer describes the observed path, forecast track, and intensity of tropical cyclone activity (hurricanes, typhoons, cyclones) from the National Hurricane Center (NHC) and Joint Typhoon Warning Center (JTWC).
Authoritative
- World Traffic Service**
Map Image Layer By esri
This map service presents historical and near real-time traffic information for different regions in the world. The data is updated every 5 minutes. This map service requires an ArcGIS Online organizational subscription.
Subscriber Authoritative
- USA Current Wildfires**
Feature Layer By esri_livefeeds2
This layer shows wildfires that have been updated within the past 7 days in the United States from IRWIN and NIFC information.
Authoritative
- USA Weather Watches and Warnings**
Feature Layer By esri_livefeeds2
A live data feed from the National Weather Service containing official weather warnings, watches, and advisory statements for the United States.
Authoritative
- Sentinel-2 Views**
Imagery Layer By esri
Sentinel-2, 10m Multispectral, Multitemporal, 13-band images with visual renderings and indices. This Imagery Layer is sourced from the Sentinel-2 on AWS collections and is updated daily with new imagery. This layer is in beta.

ArcGIS Online – What is it?

- Cloud Platform
- Create and share maps
- Create interactive map applications
- Paid service

- Paid by CAS IT
- Certain processes consume “credits”

Credits by capability:

https://doc.arcgis.com/en/arcgis-online/administer/credits.htm#ESRI_SECTION1_709121D2C7694DCAB9B8592F36F7A5BA

ArcGIS Online – What is it?

Get Started: <https://doc.arcgis.com/en/arcgis-online/get-started/get-started.htm>

Lesson Gallery: <https://learn.arcgis.com/en/gallery/>

Story Map Gallery: <https://storymaps-classic.arcgis.com/en/gallery/#s=0>

Explore ArcGIS Online Portal

<https://bucas.maps.arcgis.com/>

Questions

Please fill out tutorial evaluation:

<http://rcs.bu.edu/eval>

Email me at:

help@scc.bu.edu