

# CAS LJ 388

## Introduction to ArcGIS Online

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Research Computing Services



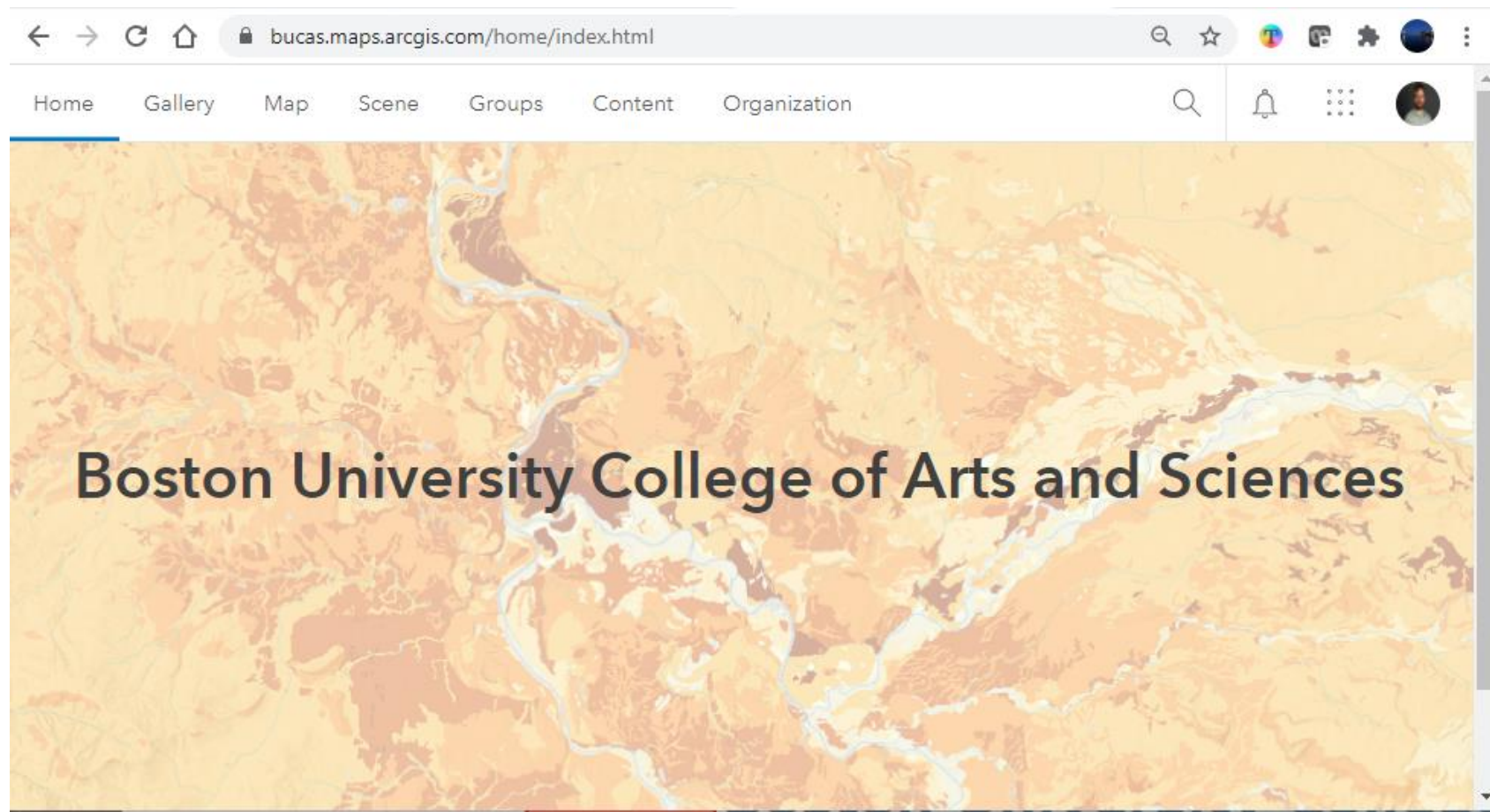
# Outline

- **ArcGIS Online –What is it?**
- **ArcGIS Online Workflow**
- **Permissions**
- **Create a Boston Subway Map**
- **Create a Story Map**

# 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


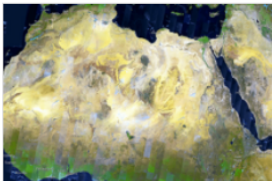
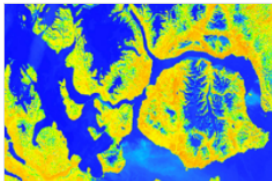
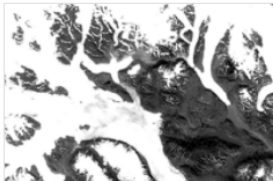
Global Land Survey (GLS) datasets are created by the U.S. Geological Survey (USGS) and the National Aeronautics and Space Administration (NASA) using Landsat images. These global minimal cloud cover, orthorectified Landsat data products support global assessments of land cover, land cover change, and 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](#)

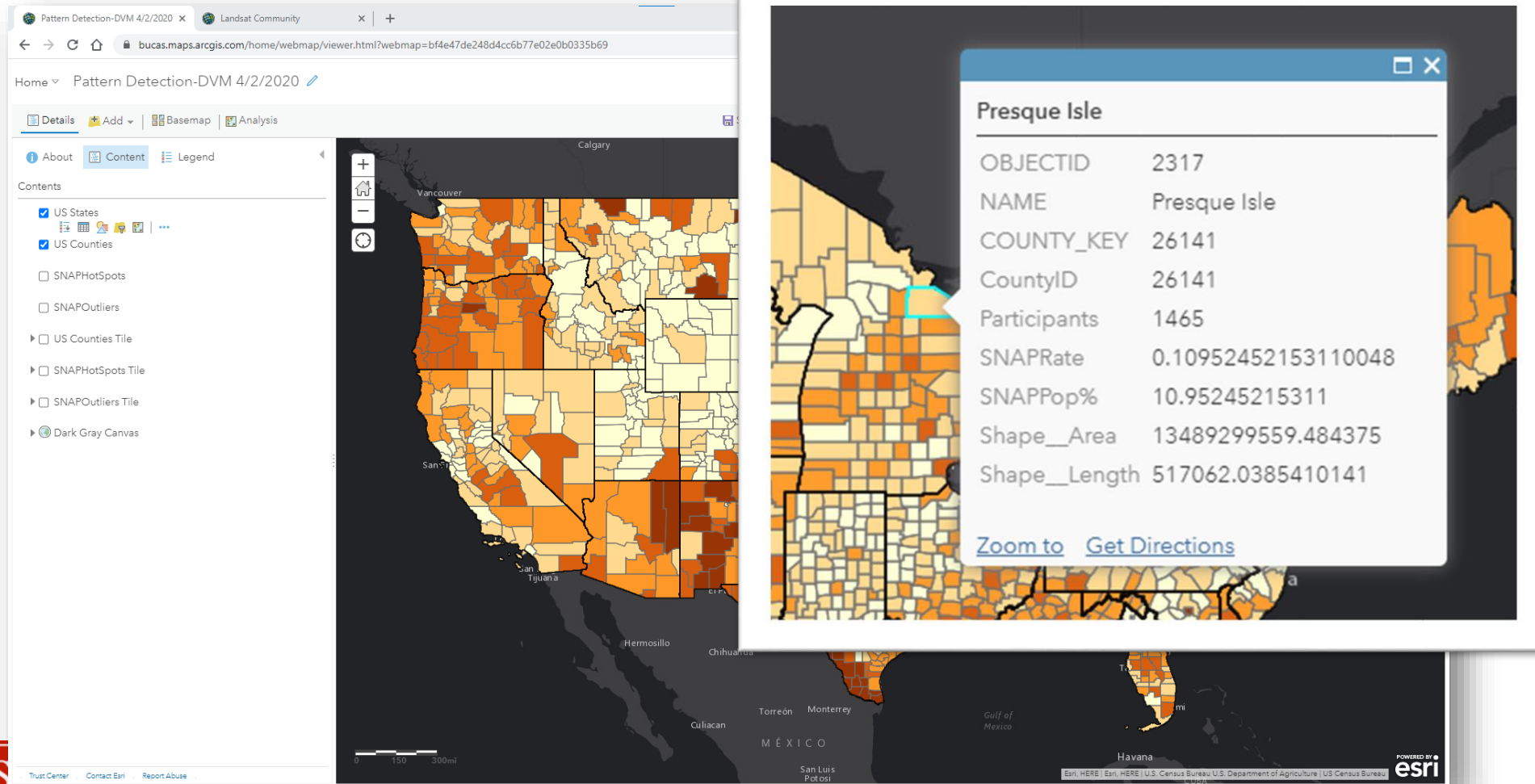
 <p><b>Landsat Explorer App</b> by <a href="#">Esri</a> Created: Jan 9, 2018 Updated: Jun 1, 2020 View Count: 5,458</p>	 <p><b>Landsat 8 Views</b> by <a href="#">Esri</a> Created: Dec 6, 2013 Updated: Dec 19, 2019 View Count: 179,055</p>	 <p><b>Landsat Arctic Imagery: NDSI...</b> by <a href="#">esri</a>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



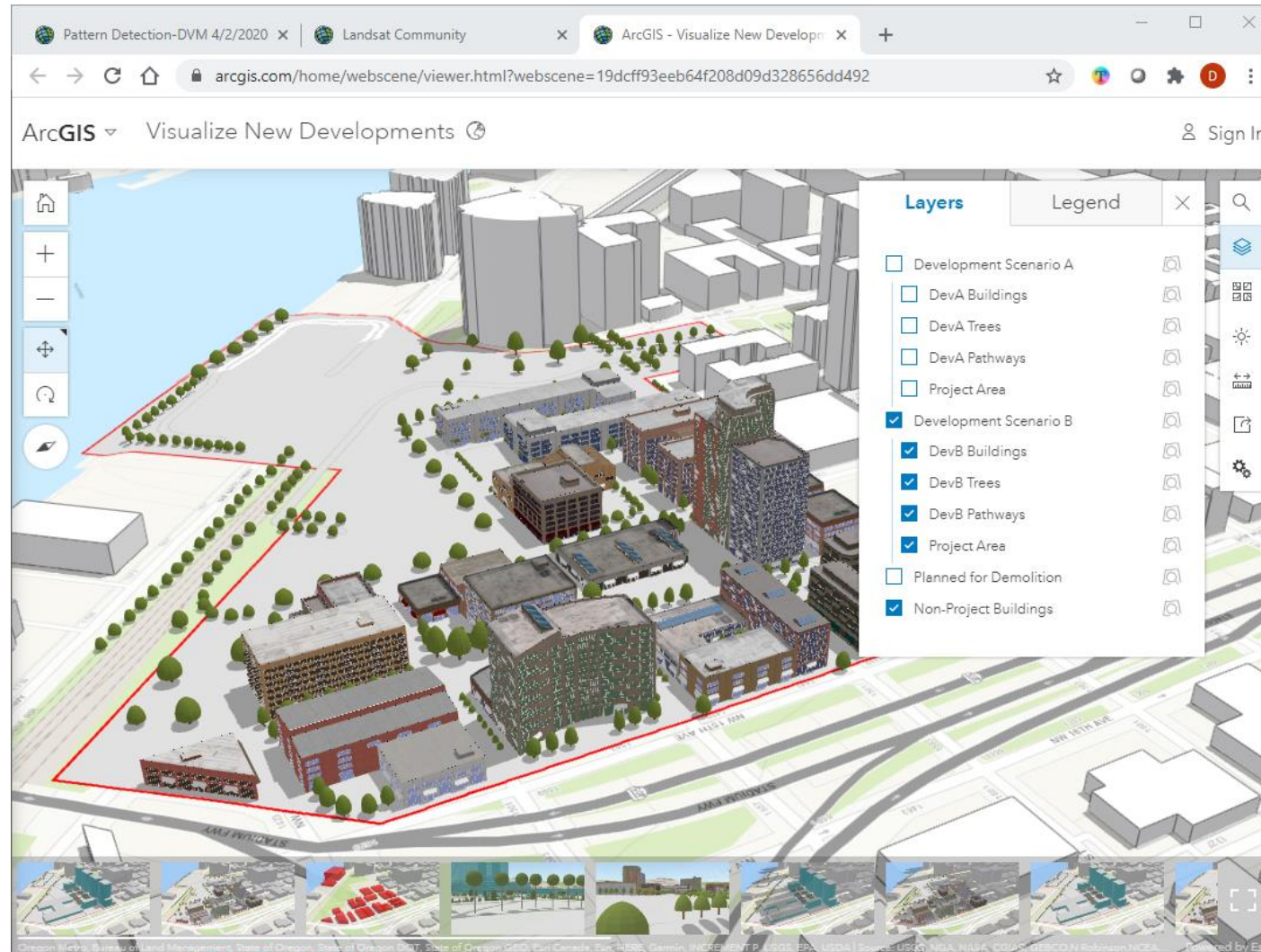
The screenshot shows the ArcGIS Online web map interface. The main map displays a choropleth map of the United States, with a data layer overlaid. A pop-up window is open, displaying details for a specific county, Presque Isle. The pop-up window contains the following information:

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

Below the table, there are two links: [Zoom to](#) and [Get Directions](#).

# ArcGIS Online – What is it?

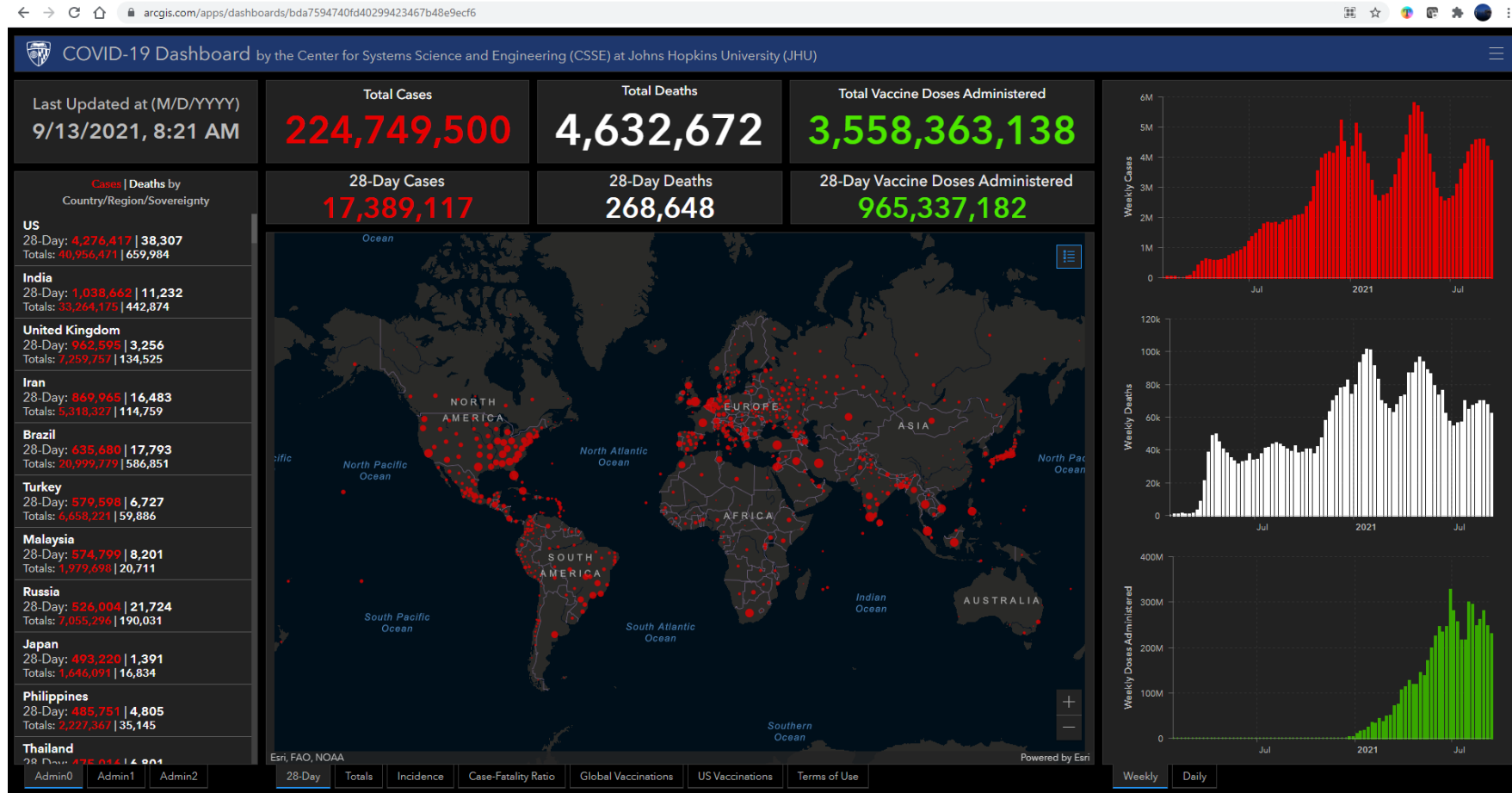
- Show data in 3D using **Scenes**





# ArcGIS Online – What is it?

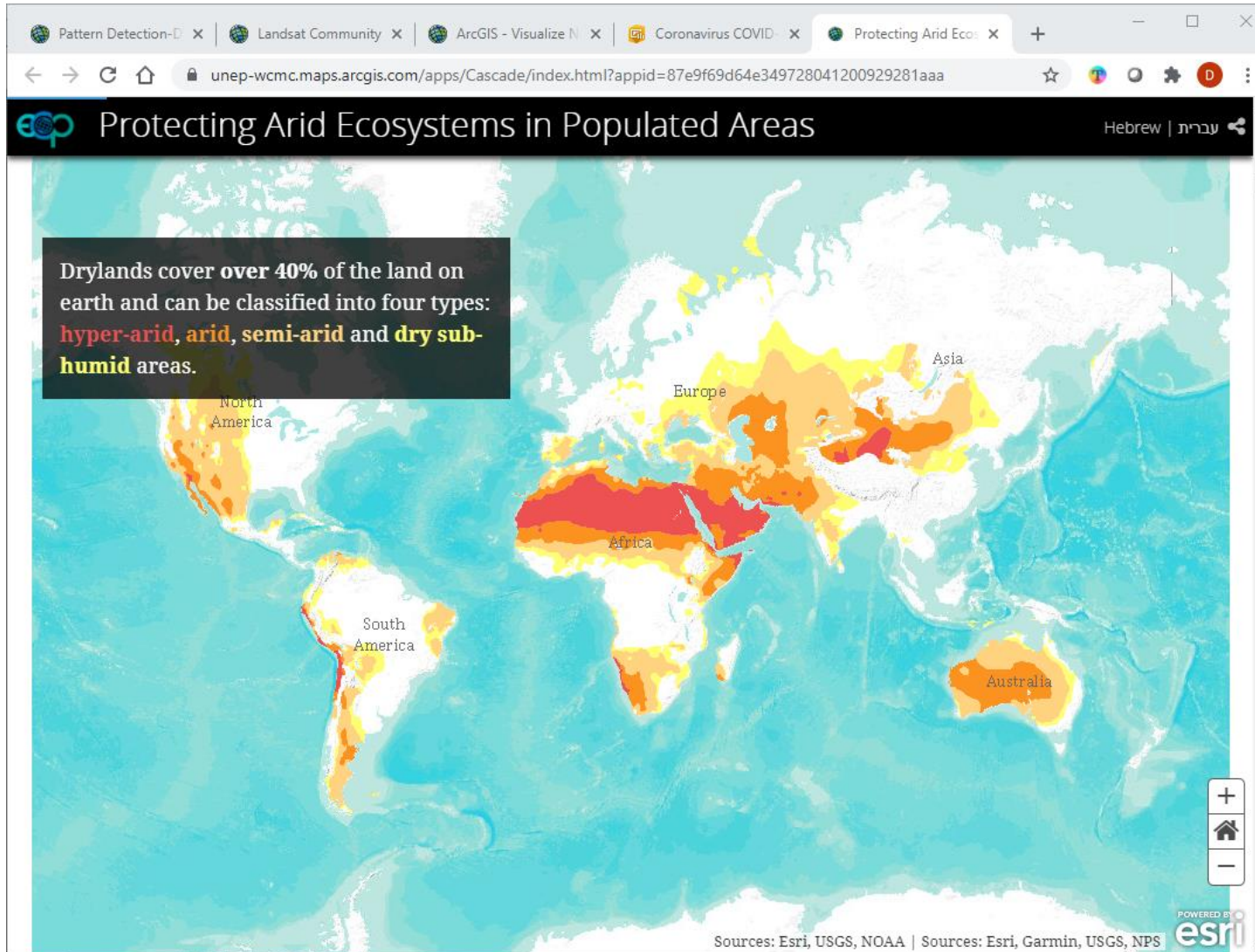
Create Applications (Apps) to share your findings.



Example: <https://www.arcgis.com/apps/dashboards/bda7594740fd40299423467b48e9ecf6>

# ArcGIS Online – What is it?

Create **Story Maps**.



# 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>

# ArcGIS Online Workflow



# General Workflow

- **Step 1 – Find/Upload GIS Data/Layers**
- **Step 2 - Create Web Map**
- **Step 3 – Create App/StoryMap**
- **Step 4 – Set Permissions**

# Permissions



# Permissions



**Owner/Private** – Only you can see it.

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**My Organization** – Anyone at BU with an ArcGIS online account can see it.

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**Everyone/Public** – The entire world can see it.

# Create a Subway Boston Map





# Let's create some maps!

Connect to ArcGIS Online:

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

Helpful Reference for Review:

[https://github.com/milechin/tut\\_arcgis\\_online/blob/main/map\\_viewer\\_classic/hands\\_on\\_exercise\\_1.MD](https://github.com/milechin/tut_arcgis_online/blob/main/map_viewer_classic/hands_on_exercise_1.MD)

# Questions