Introduction to ArcGIS Online – Part 1

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Housekeeping

- **My assistant:** Yun Shen

- **This session is recorded.**
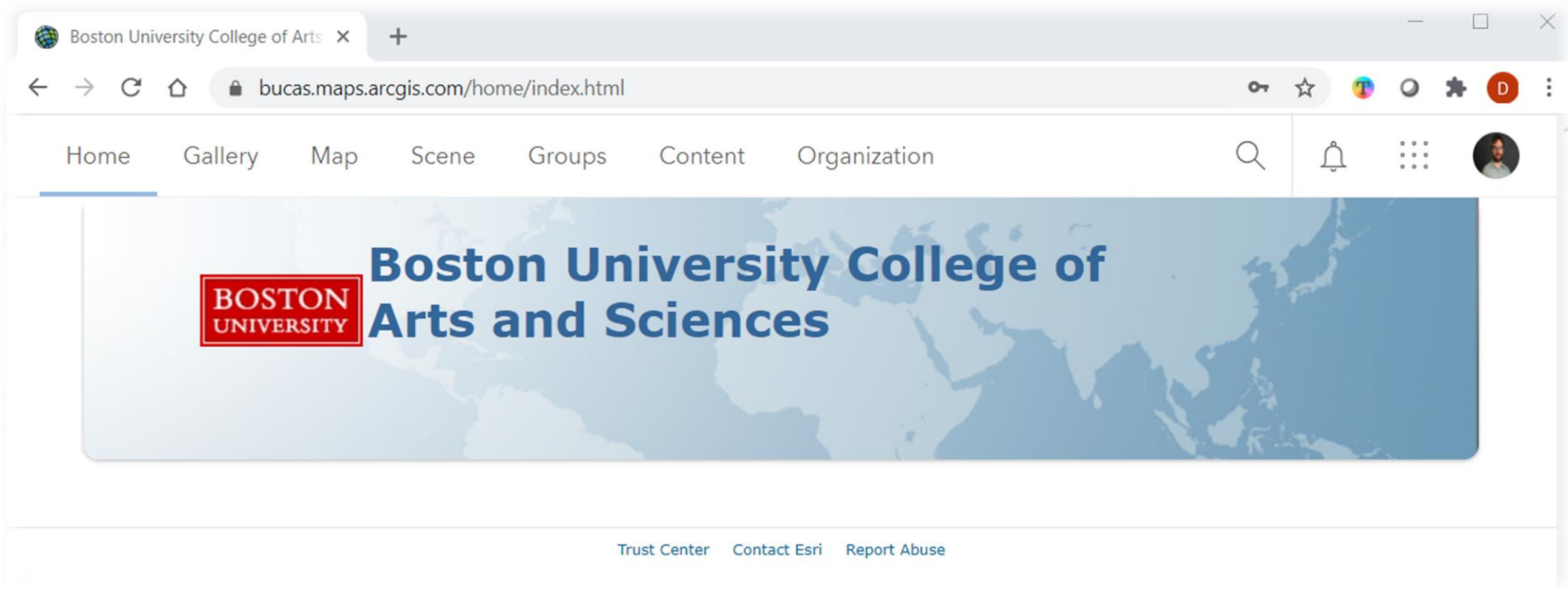- **Ask questions in Zoom Chat.**

Outline

- **Part 1**
  - **ArcGIS Online –What is it?**
  - **General Workflow (Step 1 - 2)**
  - **Health Ranking Data**
  - **Explore ArcGIS Online (Hands On)**

- Part 2
  - Review Steps 1 and 2
  - General Workflow (Step 3 – 4)
  - Permissions
  - Create Application/StoryMap (Hands On)

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3

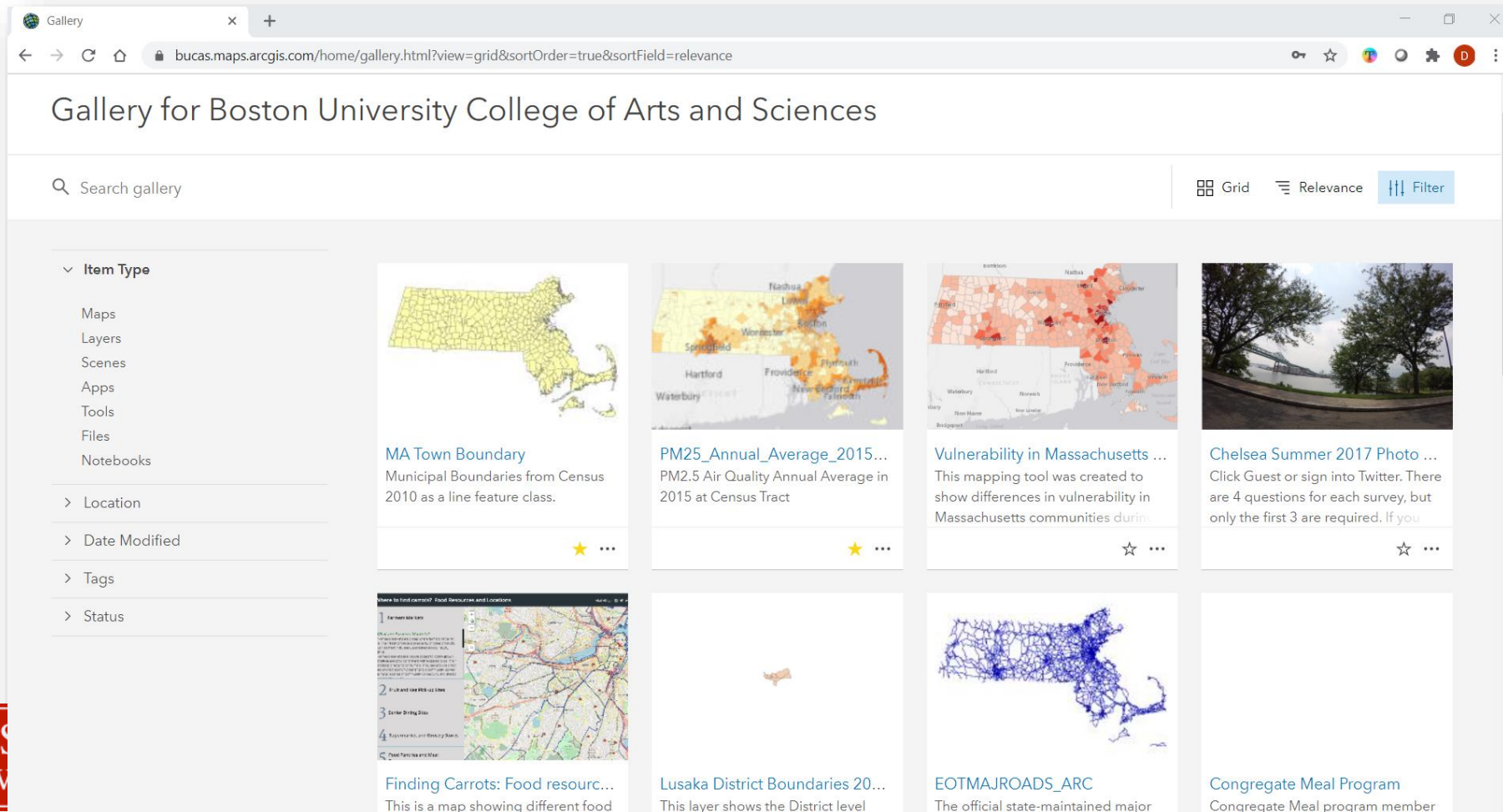# ArcGIS Online – What is it?

ArcGIS Online – What is it?

- Cloud Platform

ArcGIS Online – What is it?

- Share data and maps with others

6

ArcGIS Online – What is it?

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

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

7

ArcGIS Online – What is it?

■ Import Data and Explore Data in **Web Map**.
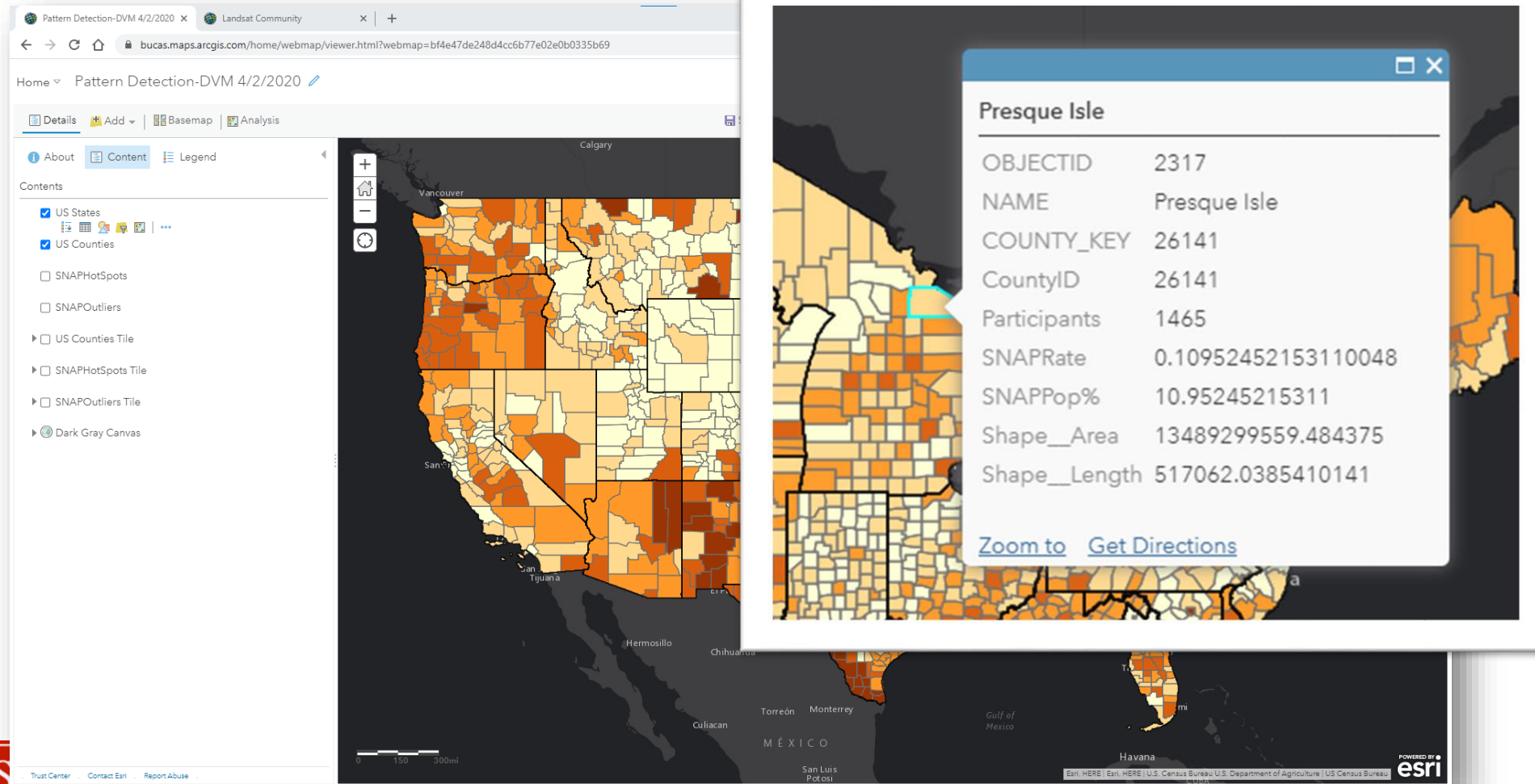
ArcGIS Online – What is it?

■ Show data in 3D using **Scenes**

Example: https://www.arcgis.com/home/webscene/viewer.html?webscene=19dcff93eeb64f208d09d328656dd492

9
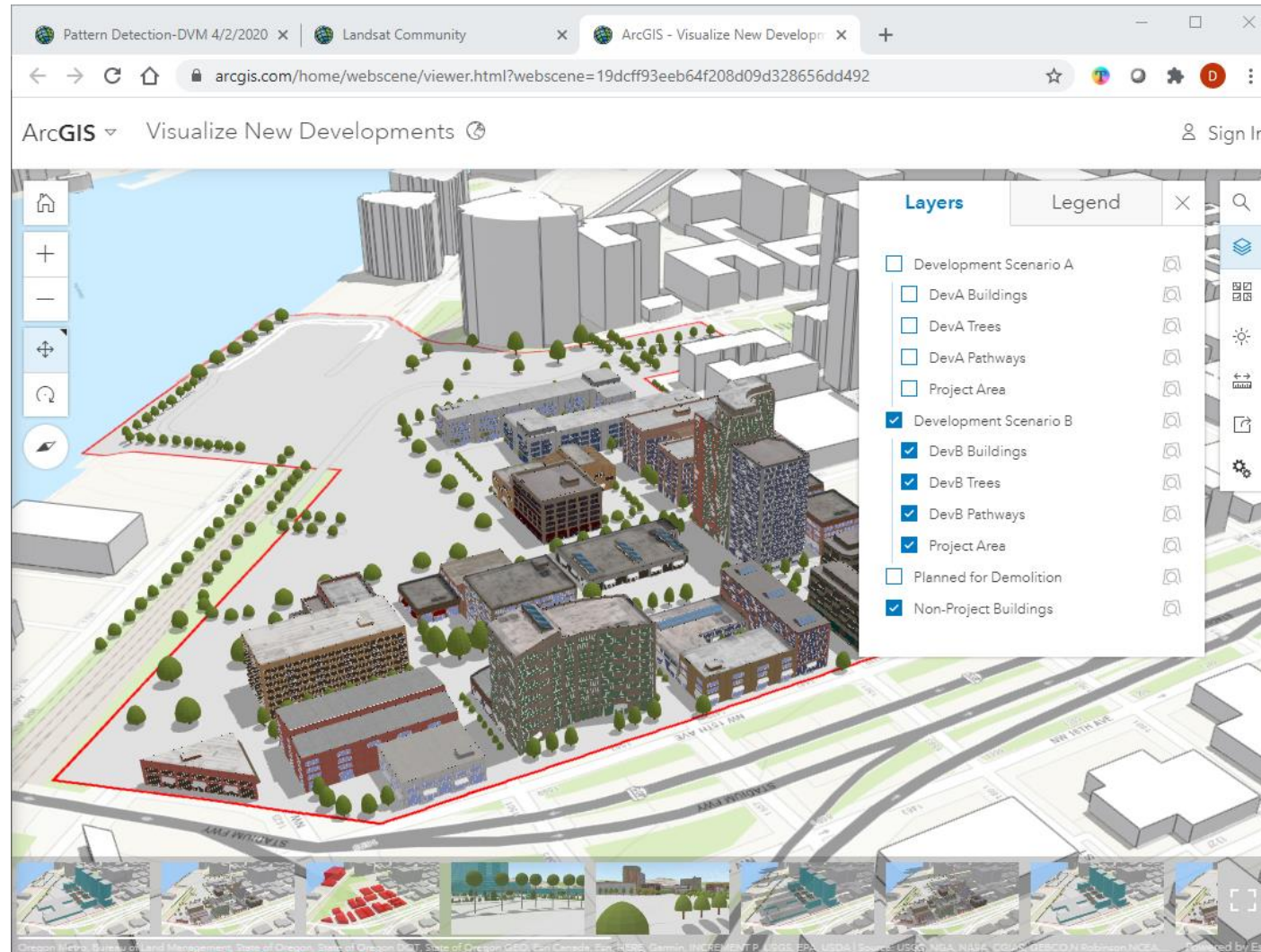
ArcGIS Online – What is it?

Create Applications (Apps) to share your findings.

Example: https://maps.arcgis.com/apps/opsdashboard/index.html#/bda7594740fd40299423467b48e9ecf6

10
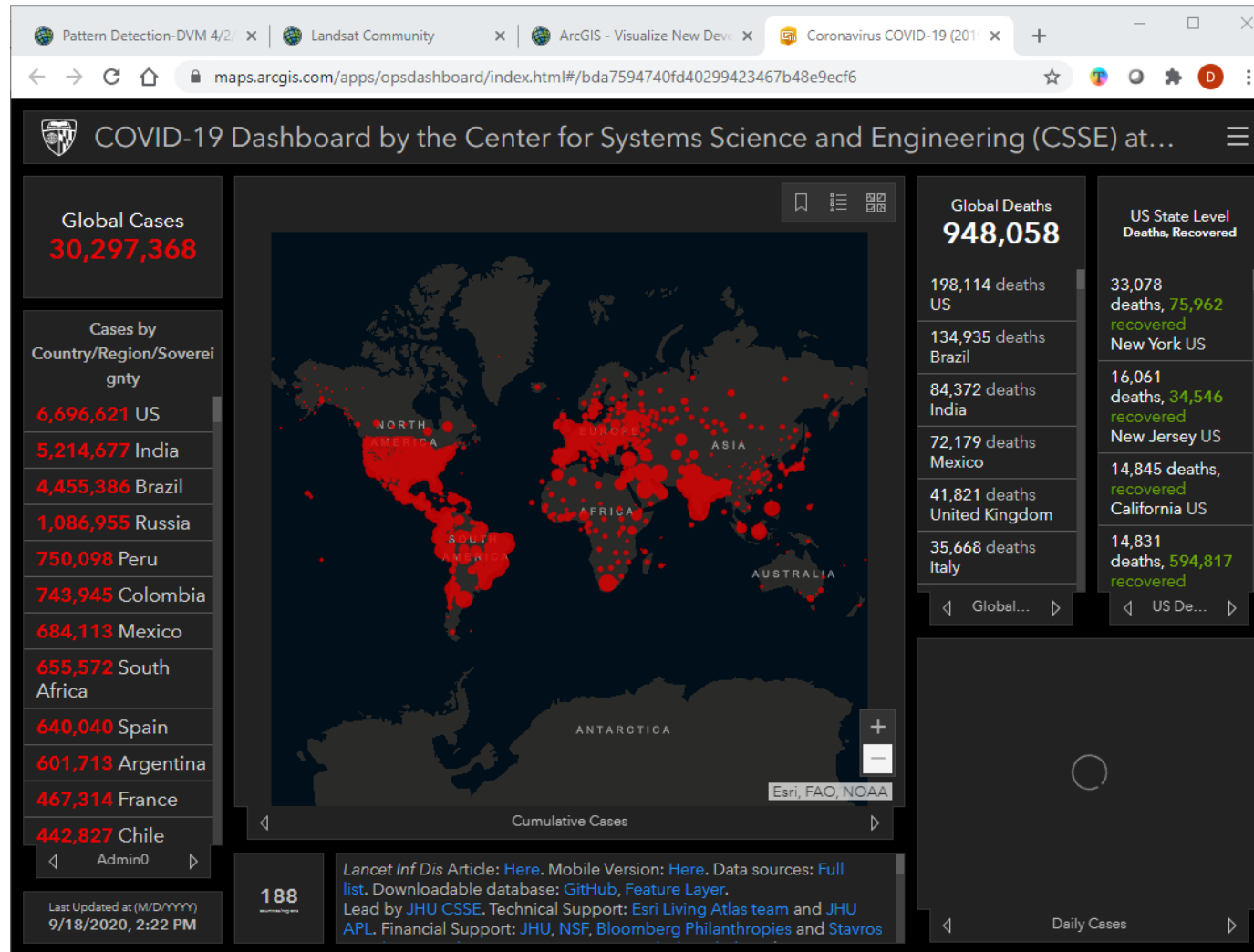
ArcGIS Online – What is it?

Create **Story Maps**.

Example: https://unep-wcmc.maps.arcgis.com/apps/Cascade/index.html?appid=87e9f69d64e349728041200929281aaa

11
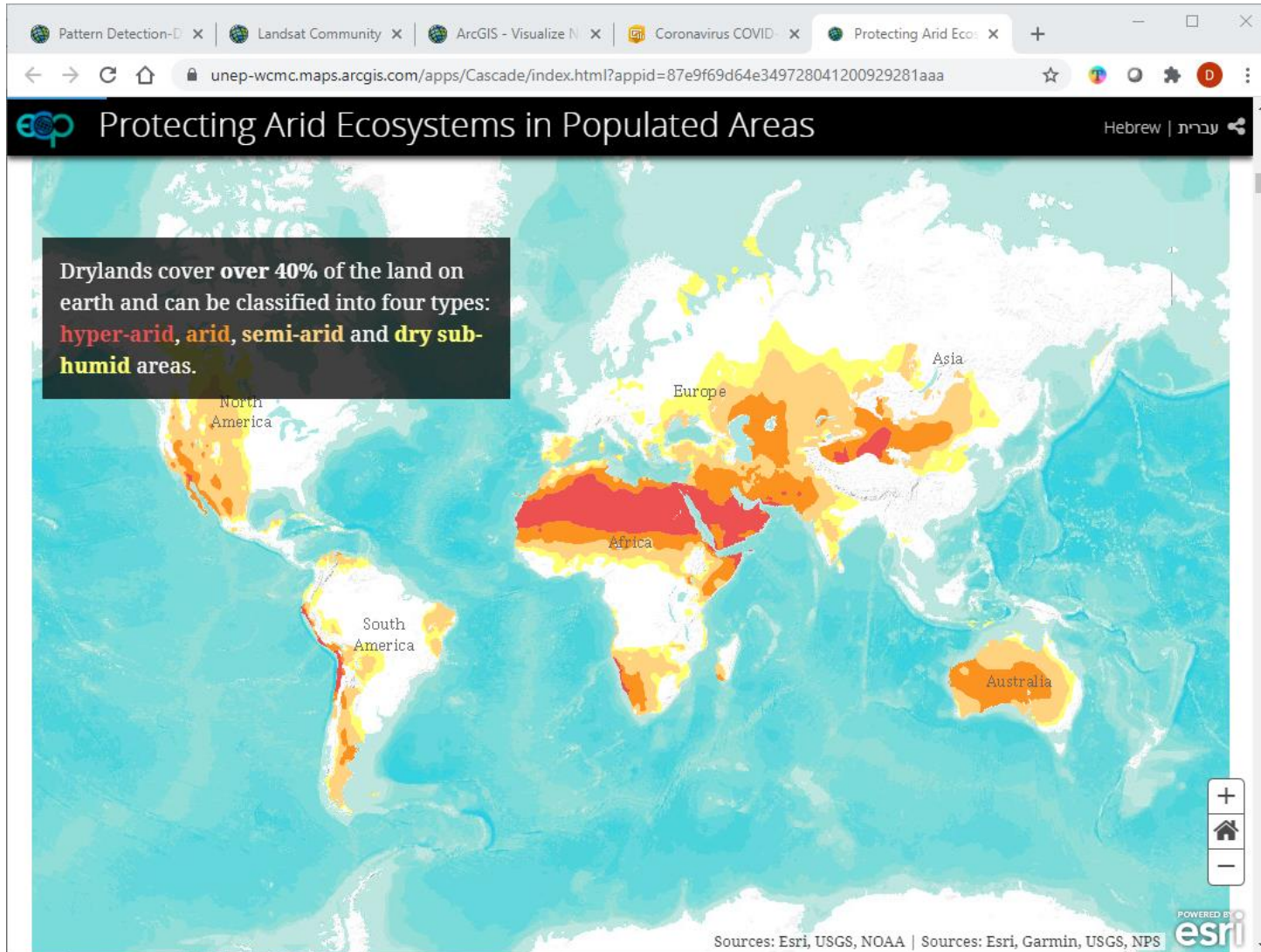
ArcGIS Online – What is it?

Searching **Living Atlas**

Example: https://livingatlas.arcgis.com/en/browse/#d=2

ArcGIS Online – What is it?

Lesson Gallery

https://learn.arcgis.com/en/gallery/

Story Map Gallery:

https://storymaps-classic.arcgis.com/en/gallery/#s=0

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13

ArcGIS Online – What is it?

- Cloud Platform for storing data, images, layers, and applications.

- Share data and maps with others

- Create interactive map applications

- Commercial/Paid service

- Funded by CAS IT

- Each account allocated "credits"

     Credits by capability:

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

Step 1 – Find/Upload Layers

Step 1 – Find/Upload Layers

Vector Data
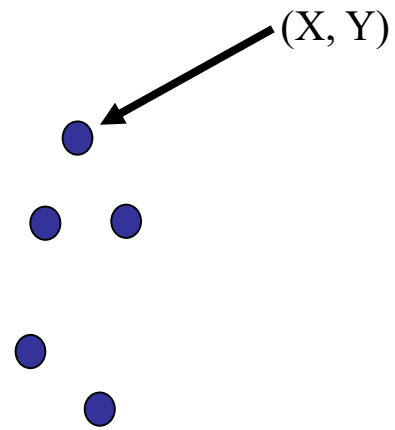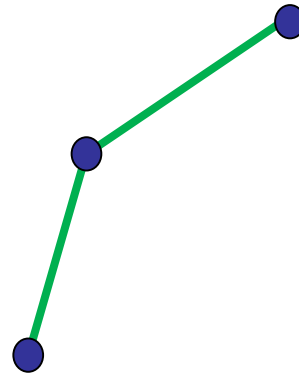
Points   Polylines   Polygon

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16
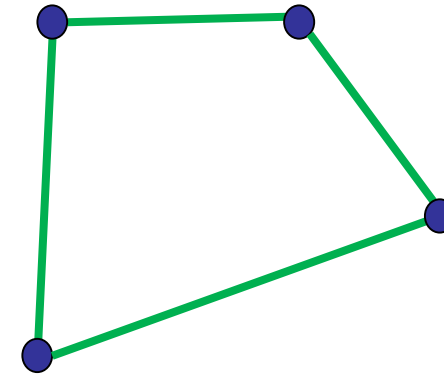
Step 1 – Find/Upload Layers

Raster Data
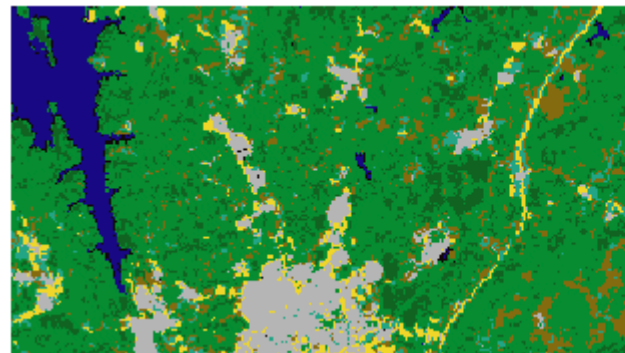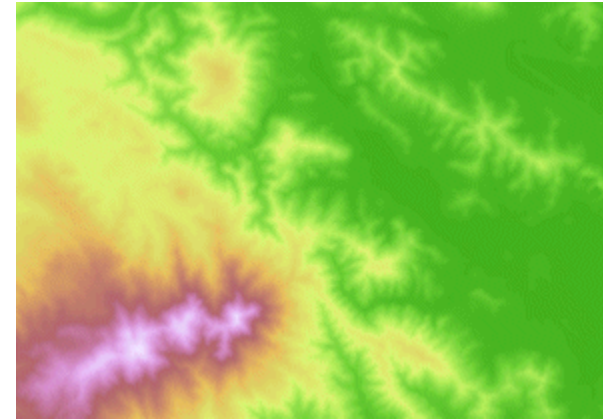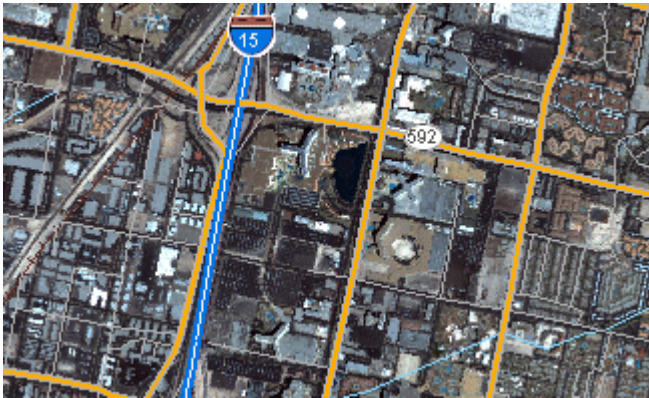
Source: http://desktop.arcgis.com/en/arcmap/latest/manage-data/raster-and-images/what-is-raster-data.htm

Step 1 – Find/Upload Layer

- Find existing data shared by others on ArcGIS Online
- Upload your data to ArcGIS Online
- Create maps in ArcGIS Pro and upload it to ArcGIS Online

- In general, the data needs to be either already available in ArcGIS Online platform or you need to upload data to it.

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Step 1 – Find/Upload Layers

Feature Layer

Step 2 – Web Map

Step 2 – Web Map

- **Import Layer into Web Map**

Step 2 – Web Map

- **Saved Web Map**

Step 2 – Web Map

- Geographic Coordinate System – WGS 1984
- Projection – WGS 1984 Web Mercator

Country	Area (mi ^2)
Africa	11,730,000
Greenland	836,300

How does ArcGIS Online measure distance?

Health Ranking Data

Health Ranking Data

- Assembled by University of Wisconsin Population Health Institute
  - https://www.countyhealthrankings.org/
  - "The CHR&R program provides data, evidence, guidance, and examples to build awareness of the multiple factors that influence health and support community leaders working to improve health and increase health equity. The Rankings are unique in their ability to measure the health of nearly every county in all 50 states,and are complemented by guidance, tools, and resources designed to accelerate community learning and action. "

- Data
  - https://www.countyhealthrankings.org/explore-health-rankings/rankings-data-documentation

- We will focus on two attributes:
  - **Life Expectancy** - Average number of years a person is expected to live.
  - **Frequent physical distress** - Percentage of adults reporting 14 or more days of poor physical health per month.

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25

Explore ArcGIS Online

Explore ArcGIS Online

- Objectives:
    - Upload csv file to ArcGIS online
    - Find US County layer in Living Atlas
    - Learn how to use Map Viewer
    - Execute a Join analysis – (join CSV file with US County Layer)

- Products
    - GIS layer containing health ranking data by county for New England
    - One "working" web map showing New England layer.
    - A second production web map we will use for Applications in Part II.

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27

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

Username: <bu_username>_bucas
Example: milechin_bucas

Hands On Instructions

Questions

Email me at:

help@scc.bu.edu