

Raster Functions ArcGIS Imagery Information Model

- The Raster Function is the primary information model component which processes raster data.
- It's role is to take input pixels and transform output pixels into meaningful products



Raster Functions

ArcGIS Imagery Information Model

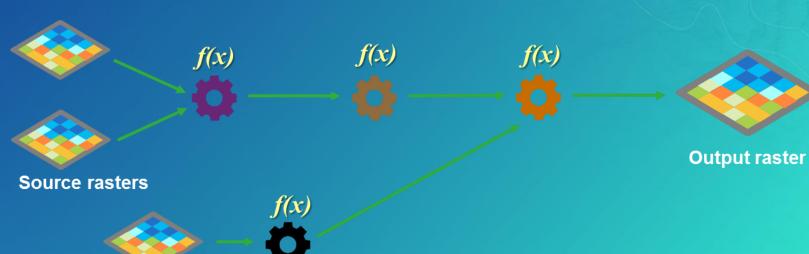
Raster Functions are chained together to create simple or advanced processing chains

Source rasters

- pixels that flow through the chain are virtual in nature ("on-the-fly" processing)
- 100+ Raster Functions



- Extensible: https://github.com/Esri/raster-functions
 - Build your own using Python



Raster Functions

ArcGIS Imagery Information Model

What are the advantages of using Raster Functions?

- Save space
 - No intermediary data
 - No redundant data
 - Source pixels are referenced
- Save time
 - Immediate results
 - No data written to disk
 - Easy to use















Raster Functions

ArcGIS Imagery Information Model

Where can I use Raster Functions?

Client side on-the-fly processing

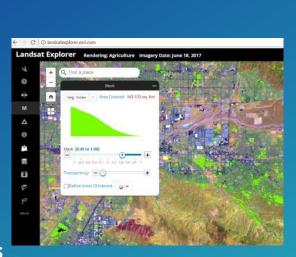
- ArcGIS Pro
- ArcMap

Server Side on-the-fly processing

- Image Services
- Websites

Server Side Distributed Raster Analytics

- Scales to support massive volumes of data
- Persisted analytical results hosted on your portal and served as an Image Service

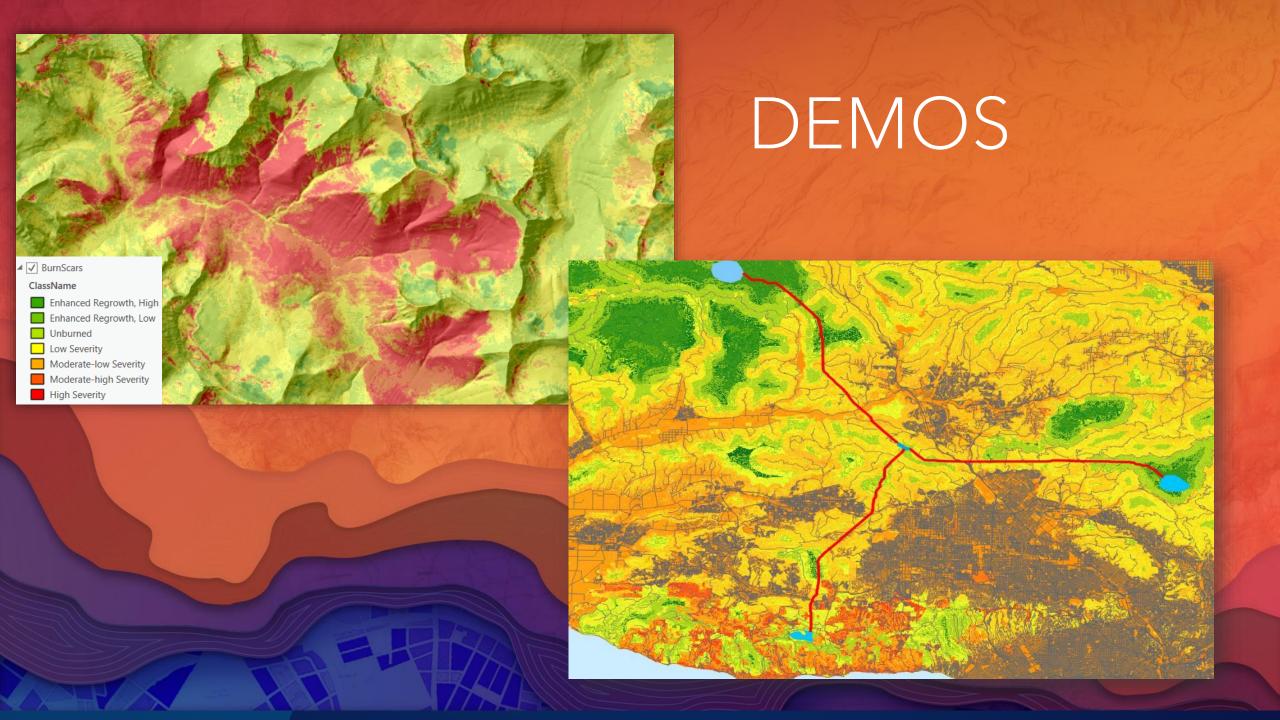




Server-based Distributed Raster Analytics with Distributed Raster Data Storage





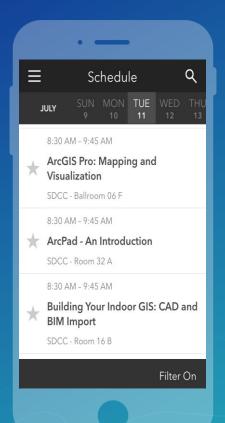


Please Take Our Survey on the Esri Events App!

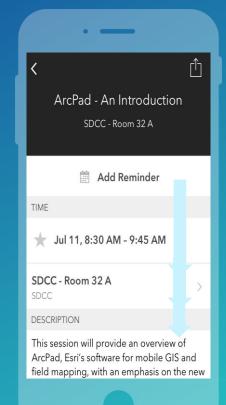
Download the Esri Events app and find your event



Select the session you attended



Scroll down to find the survey



Complete Answers and Select "Submit"



