



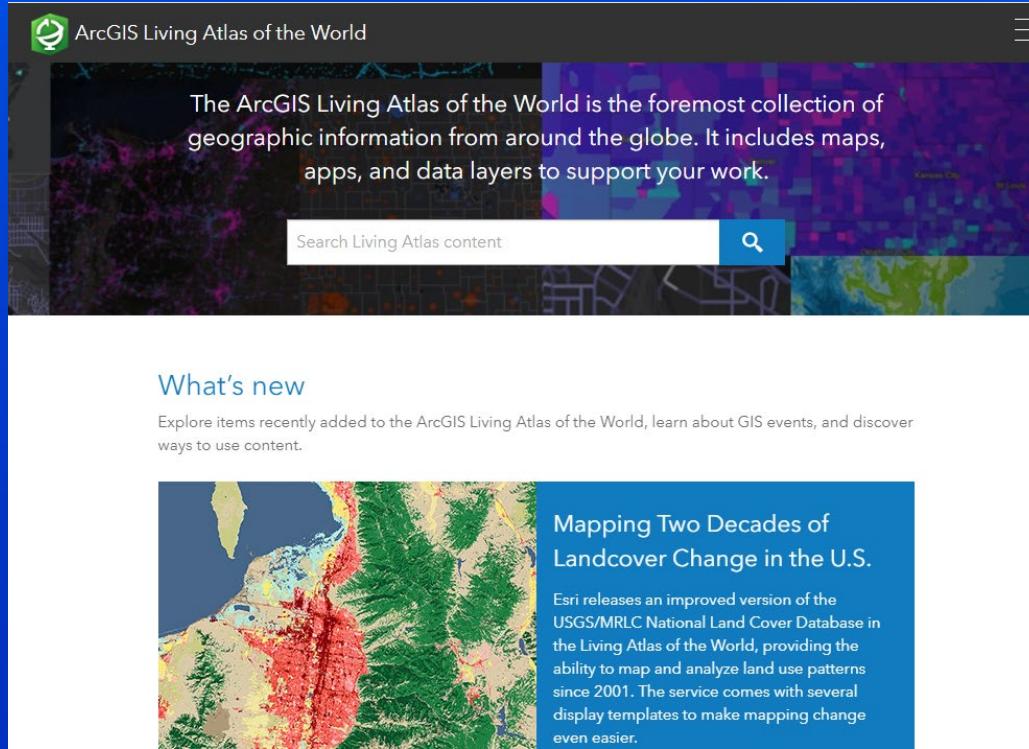
Getting the Most Out of Living Atlas: ArcGIS Pro Users

Charlie Frye and Dan Pisut

The ArcGIS Living Atlas of the World Team, Redlands, CA

A decorative background featuring a map with contour lines and various colored overlays (green, yellow, red, blue) representing different data layers. Overlaid on this are numerous white crosshair icons in various colors (blue, cyan, yellow, orange) of different sizes.

SEE
WHAT
OTHERS
CAN'T

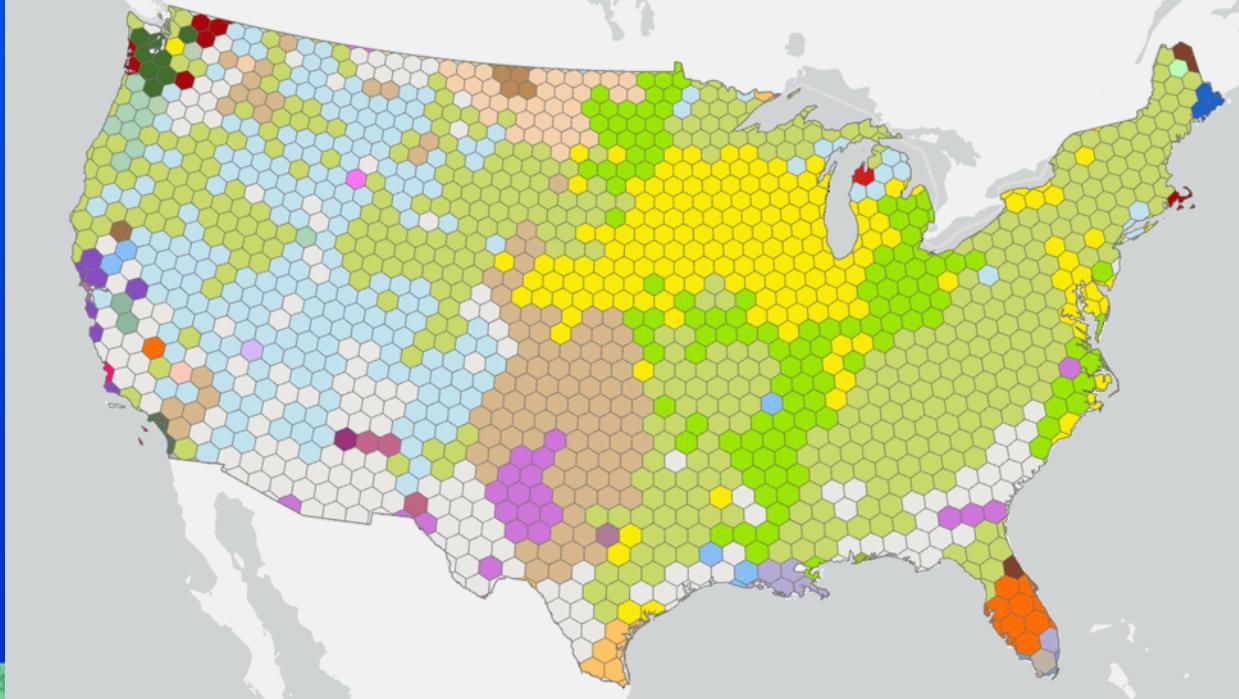


The ArcGIS Living Atlas of the World

<https://livingatlas.arcgis.com>

Crop Analysis and Time

Dan Pisut





Tools used in workflow

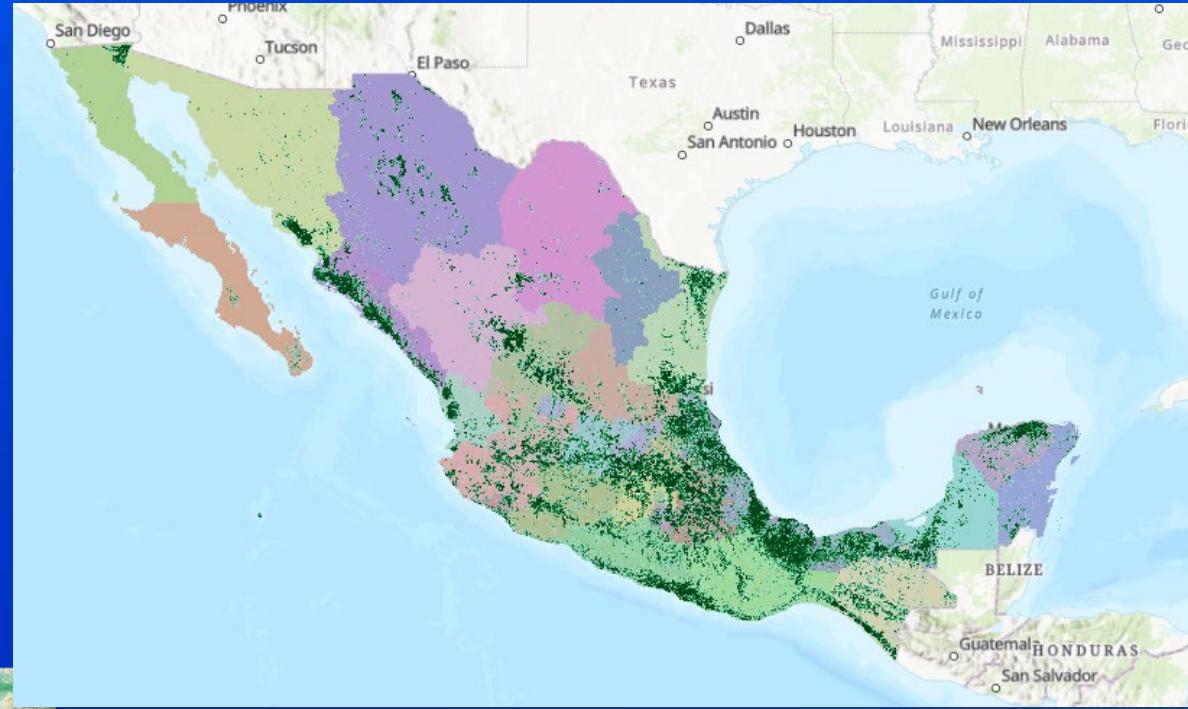
- Raster Functions
 - Cell Statistics Majority - calculates most frequent crop over time
 - Add Table - applies classification table to stretched pixel results
- Geoprocessing Tools
 - Clip Raster (or Copy Raster) - downloads data from Living Atlas within an area of interest
 - Zonal Statistics as Table - calculates statistics within an area, such as a county
 - Add Join - applies Zonal Stats results to a Feature based on a common field
 - Copy Features - exports joined Feature and Table information from memory
 - Delete Field - removes unnecessary information in a table
 - Generate Tessellation - creates hexbin summary areas



Extending the Analysis

- Estimate cost per acre of lost agriculture due to drought or floods
- Isolate crops (soybeans) to run in-depth analyses on one sector
- Use machine learning to predict current year's crop area





Mexico Ecoregions and Agriculture

Charlie Frye



Mexico Demonstration Summary

- Starting Pro with no local data
- Used Living Atlas Content to summarize independently published geographic variable to Estados.
- Showed a few of the new capabilities of ArcGIS Pro as well
 - CRF
 - Cell Size Projection Methods
 - Summarize Within (2.2)



Related Sessions

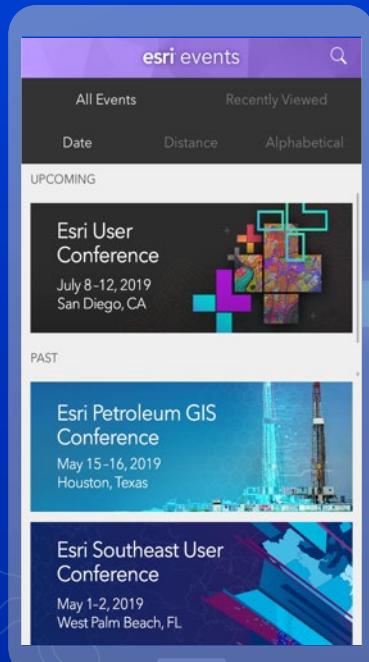


- Search Agenda for "Living Atlas"
- Getting the Most of out Living Atlas: Environmental Science - Wednesday 2:30 - 3:30 SDDC Room 30-D (Next Session)
- Living Atlas of the World: The Road Ahead - Wednesday (Today) 4:00 - 5:00 SDDC Room 16-B
- Analyzing the Intersection Between Humans and the Environment - Wednesday (Today) 4:00 - 4:45 SDCC Expo Demo Theatre 11
- Getting the Most of out Living Atlas: ArcGIS Online - Thursday 8:30 - 9:30 SDDC Room 33 A/B

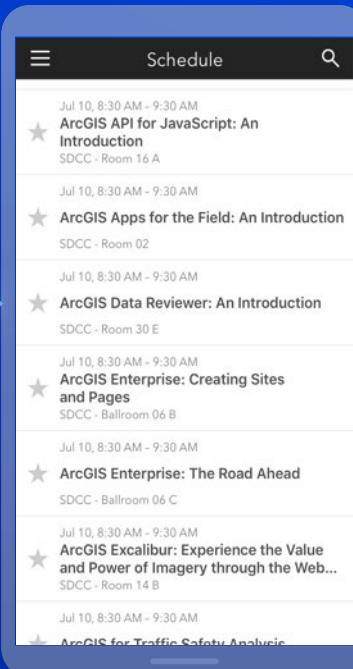


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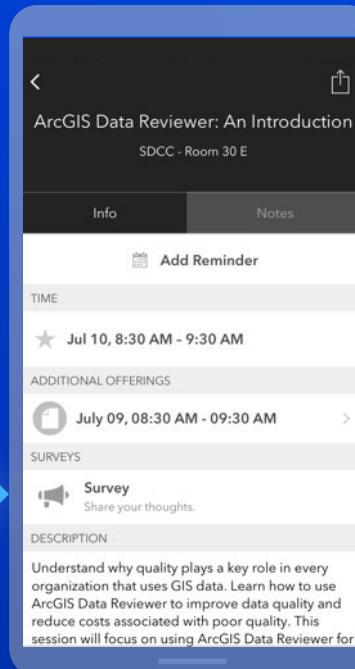
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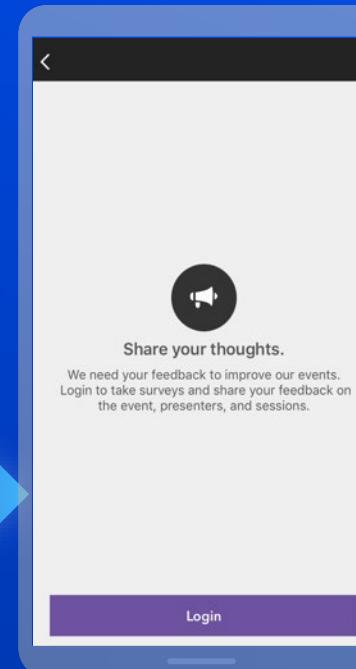
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