

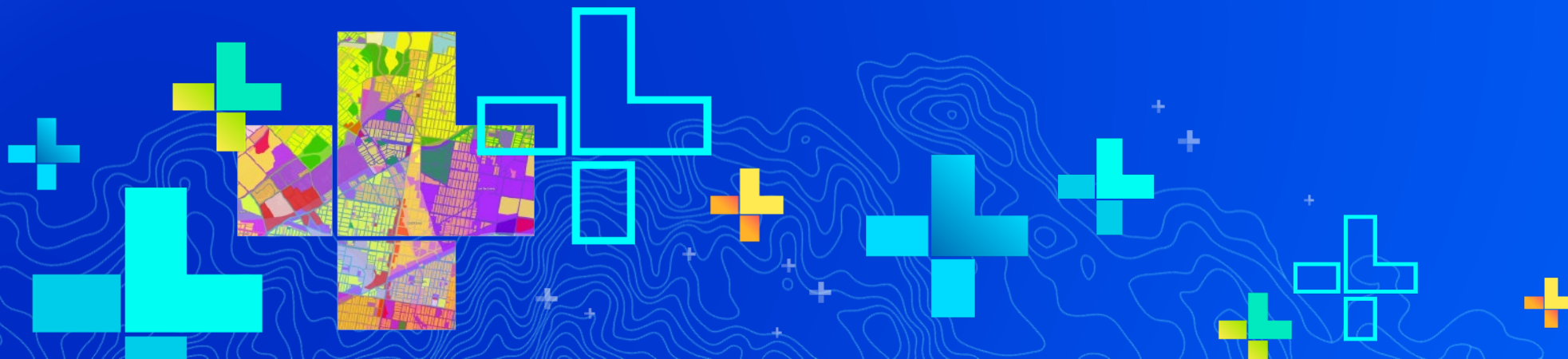


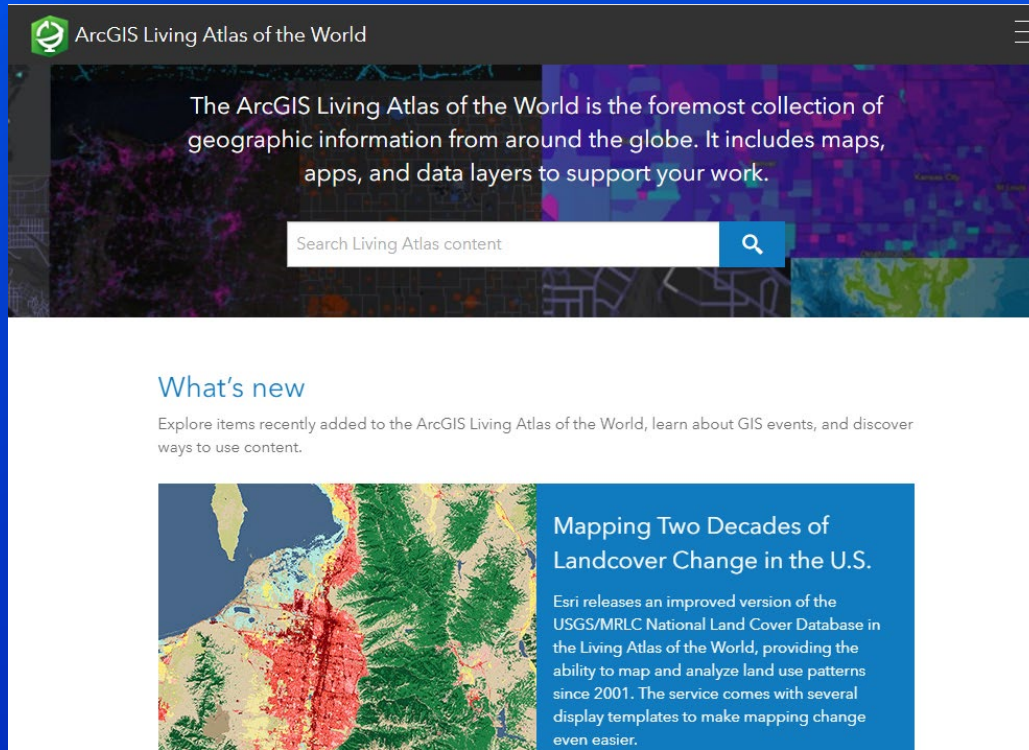
Getting the Most Out of Living Atlas: ArcGIS Pro Users

Charlie Frye and Dan Pisut

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

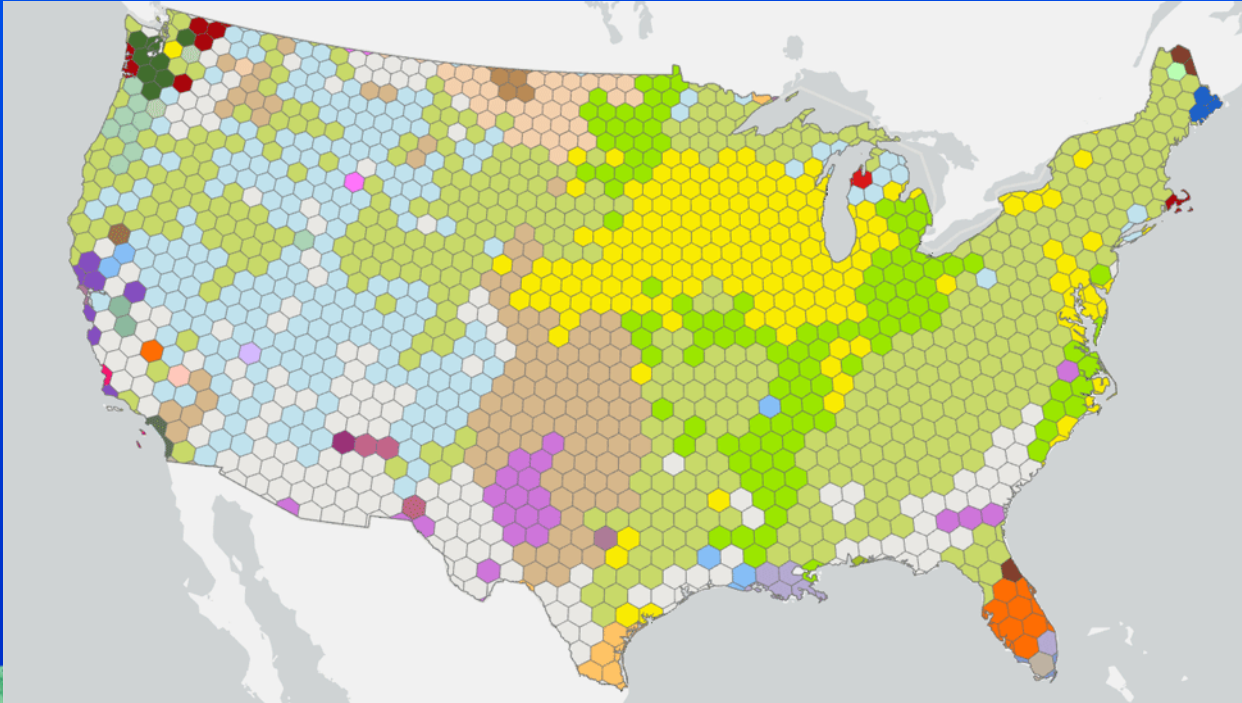
SEE
WHAT
OTHERS
CAN'T





The ArcGIS Living Atlas of the World

<https://livingatlas.arcgis.com>



Crop Analysis and Time

Dan Pisut



Tools used in workflow

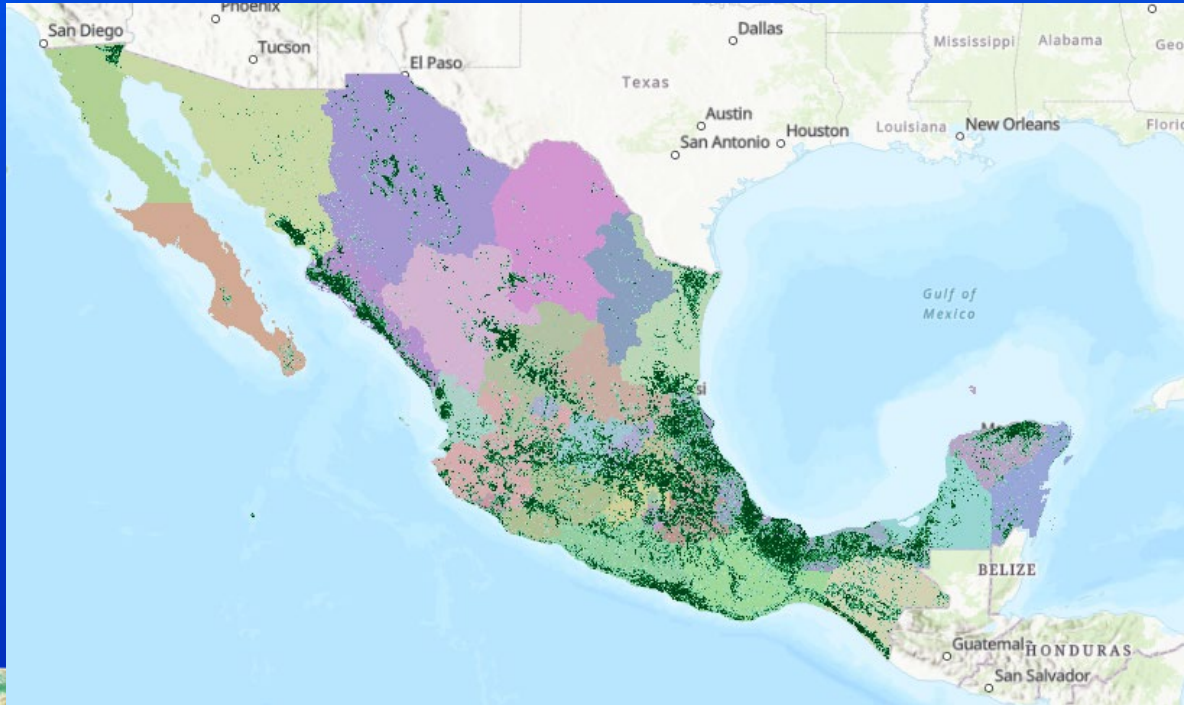
- Raster Functions
 - Cell Statistics Majority - calculates most frequent crop over time
 - Add Table - applies classification table to stretched pixel results
- Geoprocessing Tools
 - Clip Raster (or Copy Raster) - downloads data from Living Atlas within an area of interest
 - Zonal Statistics as Table - 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 Tesselation - 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

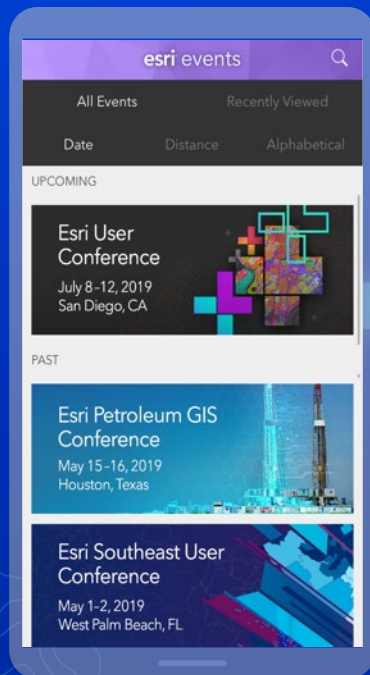


- Search Agenda for "Living Atlas"
- Getting the Most of out Living Atlas: Environmental Science - Wednesday 2:30 - 3:30 SDDC Room 30-D (Next Session)
- Living Atlas of the World: The Road Ahead - Wednesday (Today) 4:00 - 5:00 SDDC Room 16-B
- Analyzing the Intersection Between Humans and the Environment - 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

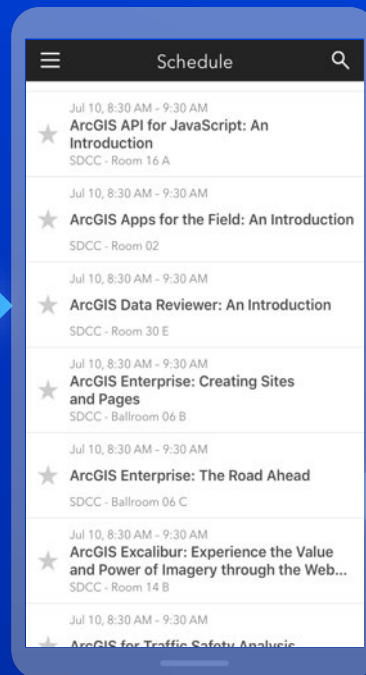


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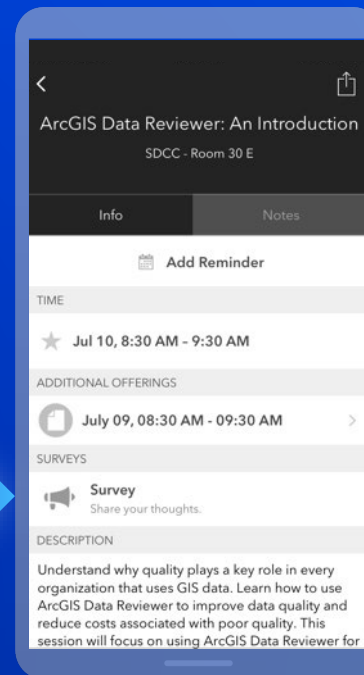
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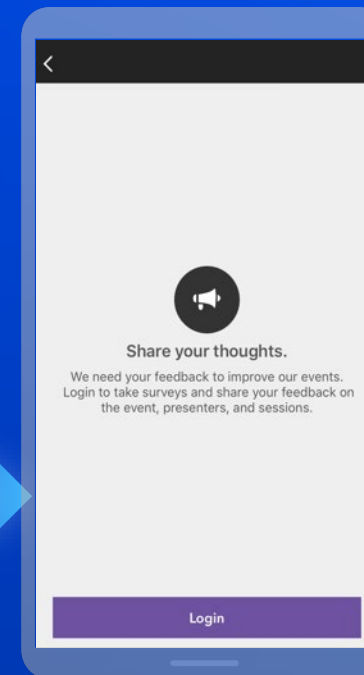
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