Esri International Developer Summit

Palm Springs, CA

Python

Python is the language of the ArcGIS platform

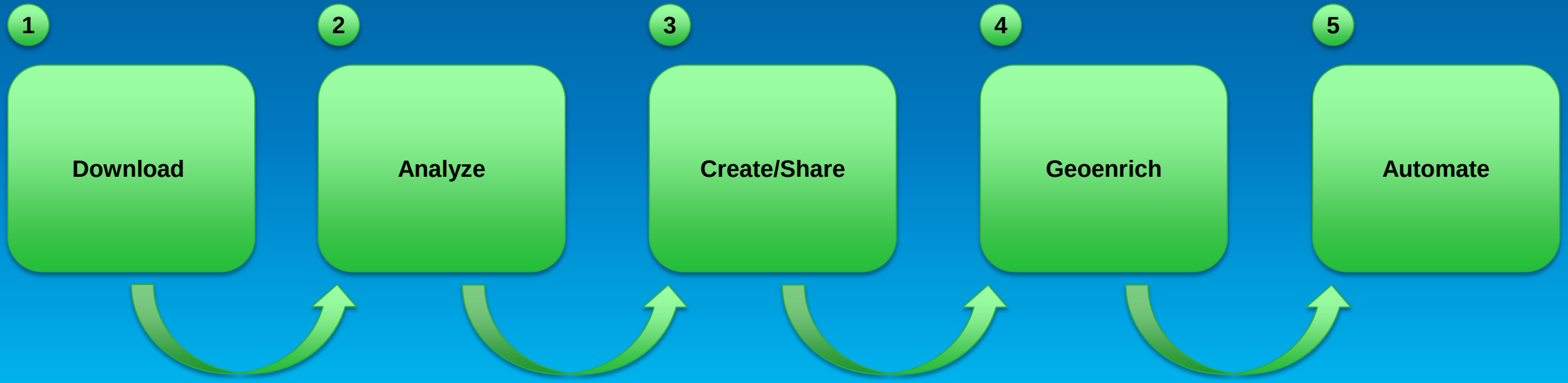
Bill Moreland and Mark Janikas

Demonstration

- **Problem Statement - Drought**
  - **Social and Economic Impacts for the Western US**
  - **Specific focus on the Wine Industry**
    - **Monitoring Drought and Vineyards**

Python – From Start to Finish

Python Powered by ArcGIS



Step 1: Download and Extract Data from the Drought Monitor

Obtaining the Drought Zones

Python Powered By ArcGIS

Web

Python Module: urllib

Download Files From the Web

Python Module: zipfile

Extract archived files

Step 2: The Power of Geoprocessing

Selecting the Wineries within Drought Zones

Python Powered By ArcGIS

Geoprocessing

890+ Tools to Choose

Make Feature Layer

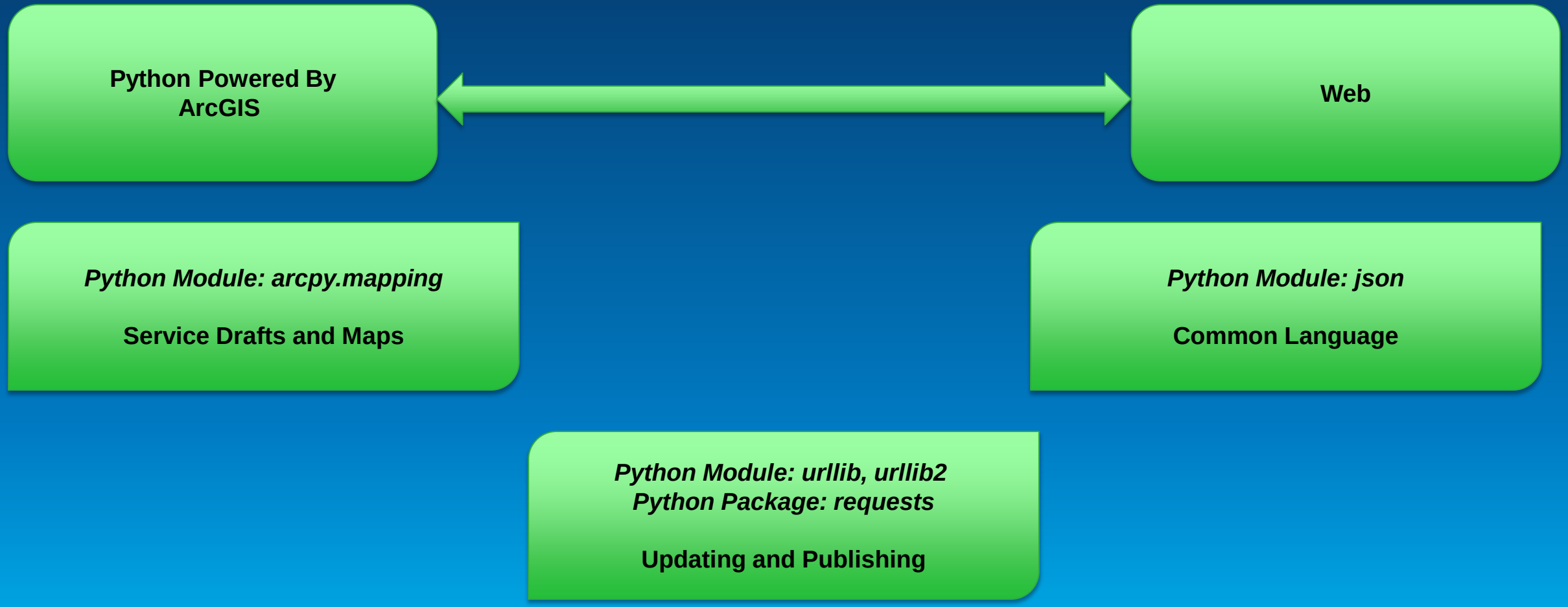
Select Layer by Attribute

Spatial Join

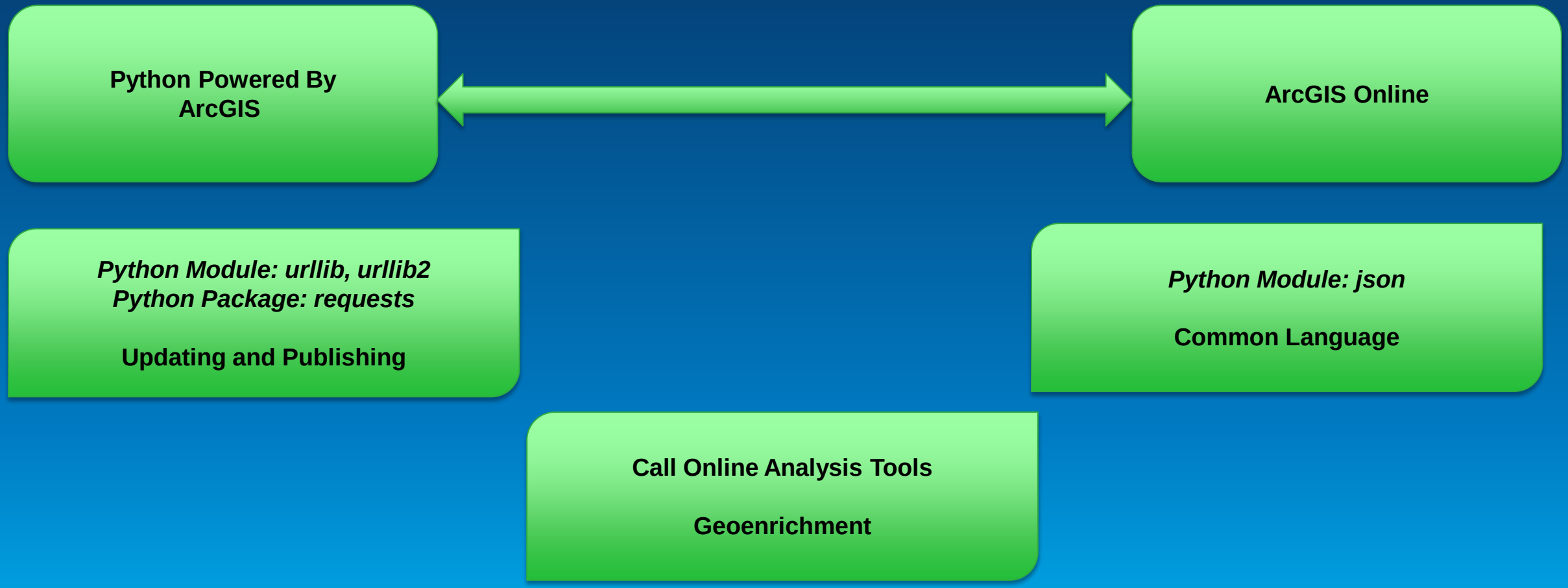
Save to Layer File

Apply Symbology from Layer

Step 3: ArcPy – Managing Online Content



Step 4: Geoenrichment



Step 5: Automation

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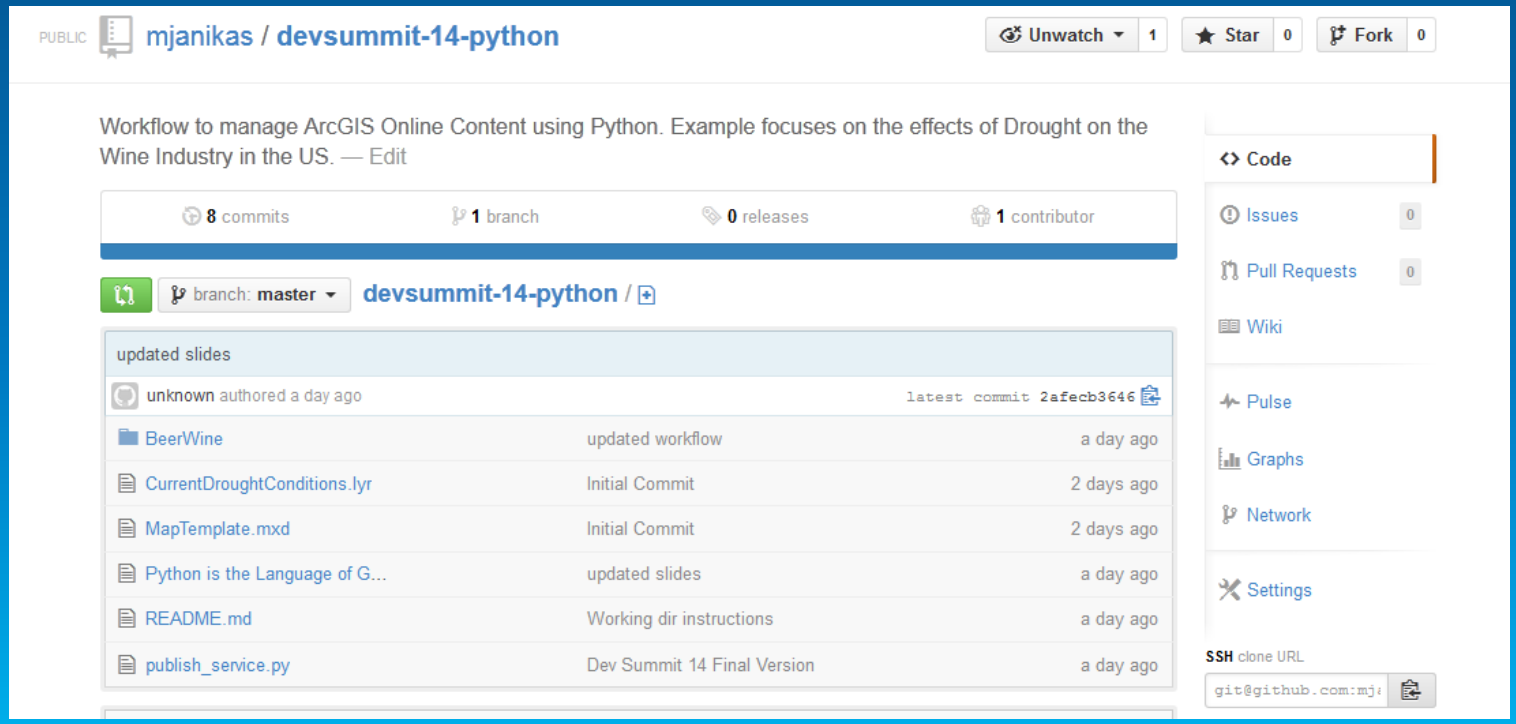
Python Package: python-crontab

Update every 7th Day

Availability

- github
  - http://www.esriurl.com/pydev14



Understanding our world.