# A Modernized Geographic Approach to S2S Forecasting

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## GIS Technology Is Advancing Rapidly

Integrating and Leveraging Many Innovations

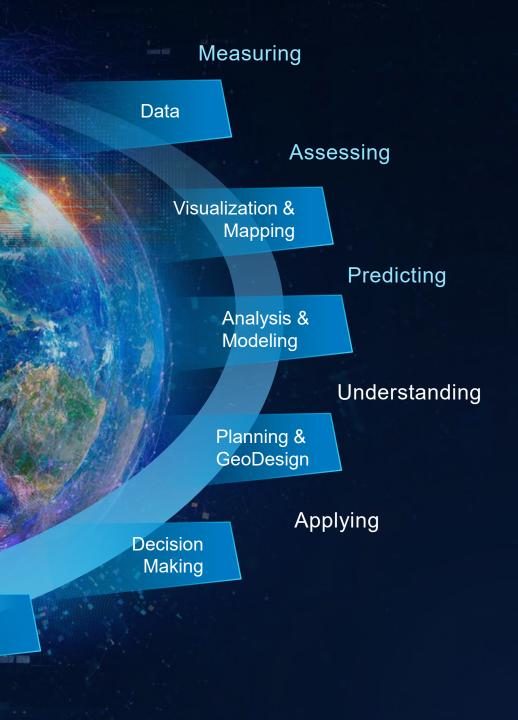


IoT

#### GIS Enables The Geographic Approach

Providing a Process and Framework . . .

. . For Applying Geographic Knowledge Widely



Action

### Jupyter Notebook Integration for Modeling and Automation



Where will climate shift agricultural areas?

Is tornado activity trending in at-risk populated areas?

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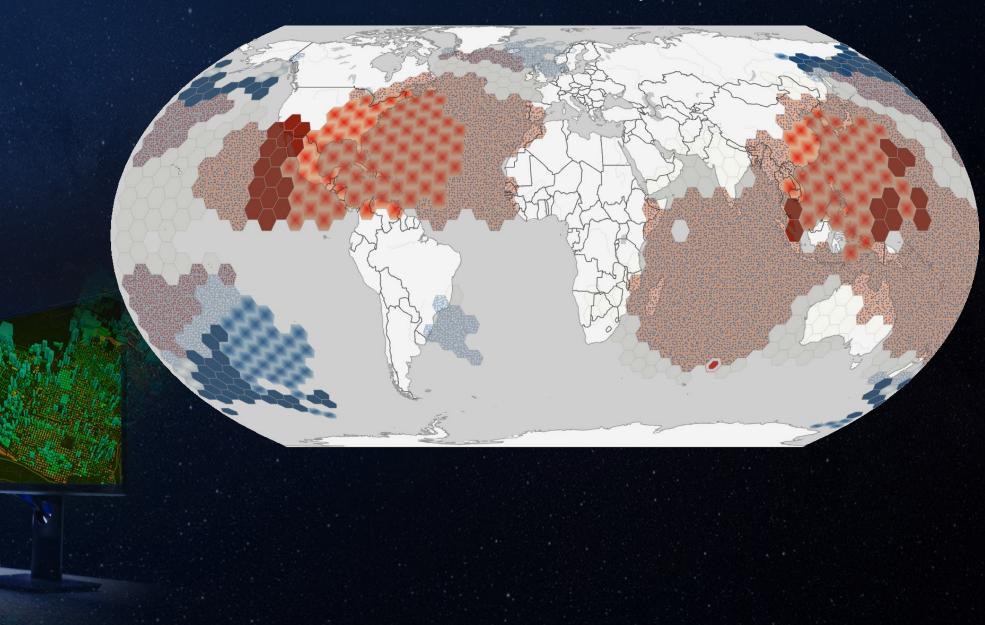
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...how about the conditions?

#### Can we examine sub-basin activity in hurricanes?

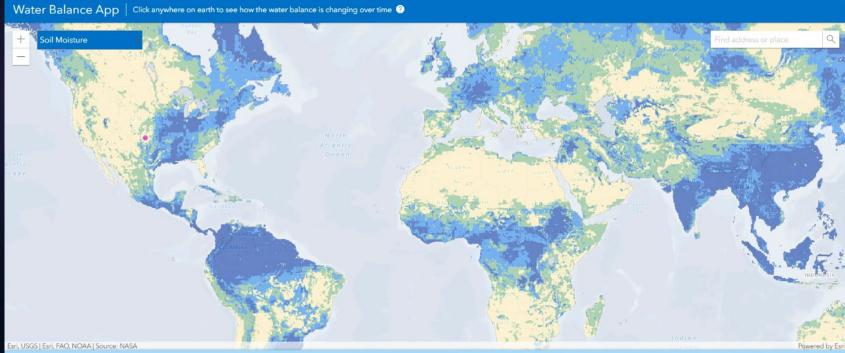


### **GIS Is Increasingly Becoming Interconnected**

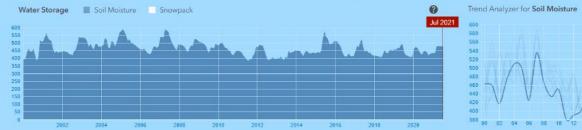
Creating a GeoCollaboration Infrastructure



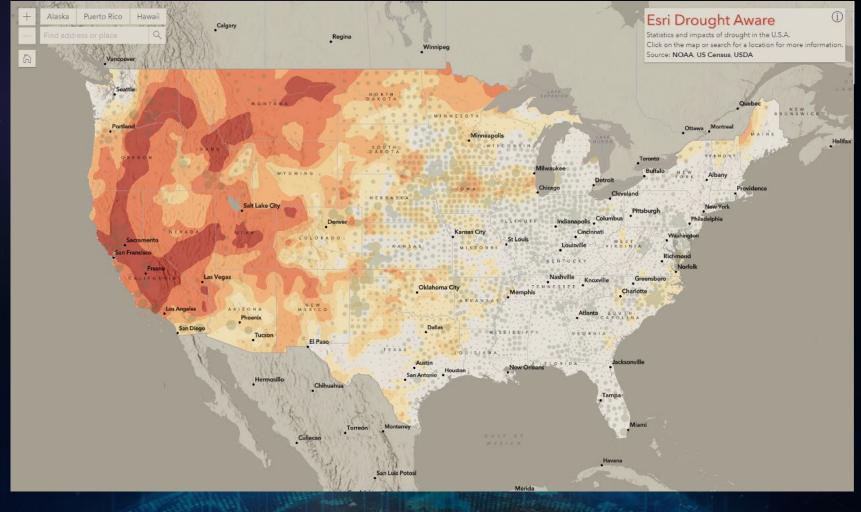
Collaboration, Workflows and Decision Making







July







## Space-Time Pattern Mining with Seasonal Forecasts