ArcGIS Insights: Interactive data visualization & reporting
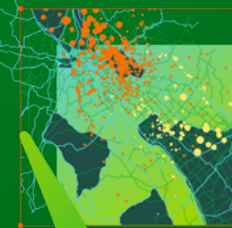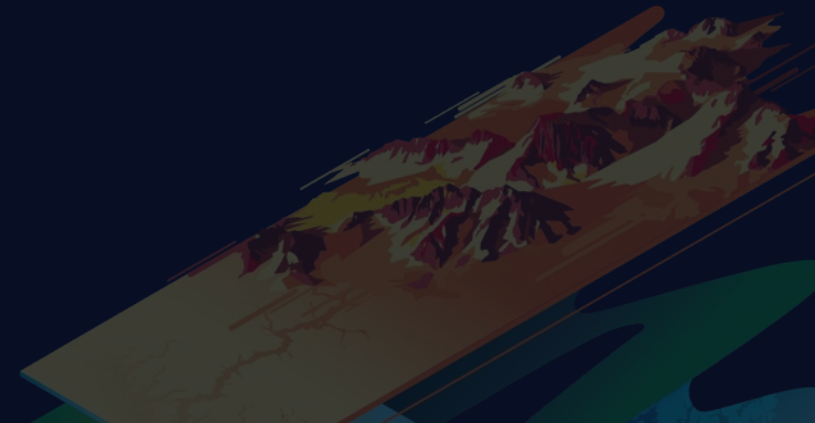
Akshay Harshe

Agenda

- The basics
- Get started with ArcGIS Insights
- Using spatial and non-spatial data
- Prepare your data for use
- Explore and narrow down data
- Techniques to visualize data
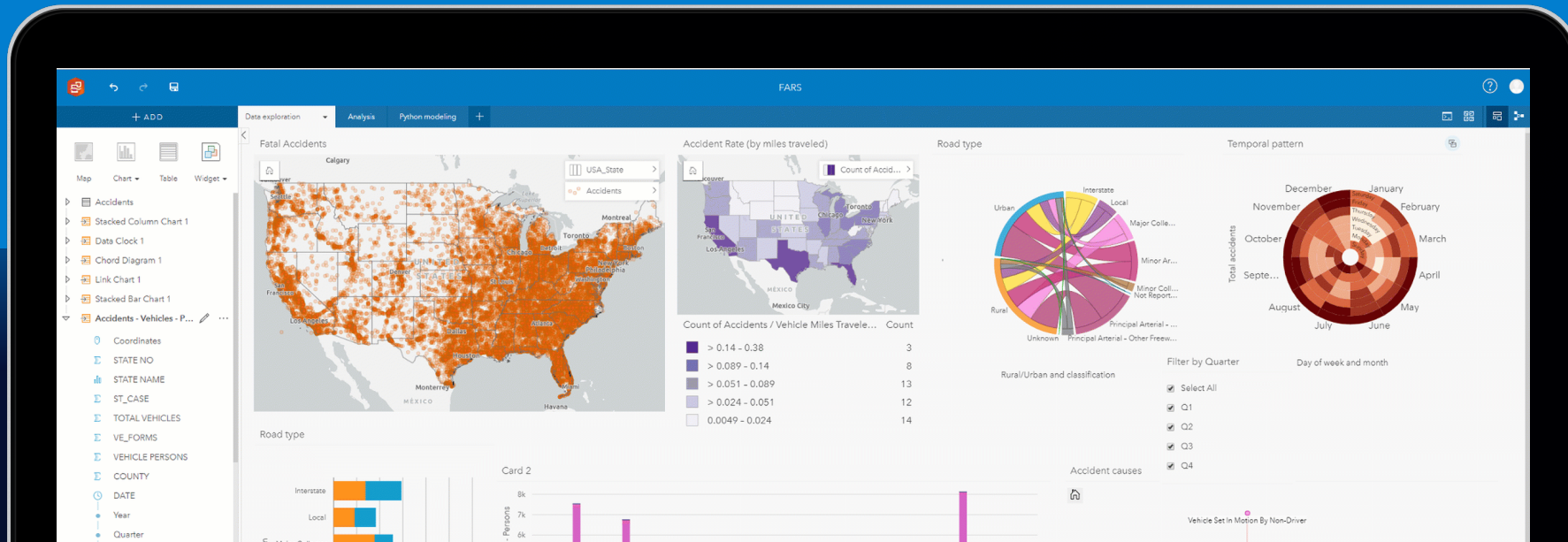- Share your results

Self-service analytics

✓ Use variety of data sources and their compute power

✓ Ability to join datasets without flattening the tables

✓ Create new or work with existing shape fields

Deployment and data options

ENTERPRISE

ONLINE

DESKTOP

DATA

- Feature layers
- Excel
- CSV
- GeoDatabases
- Shapefiles
- GeoJson

DATABASES (spatial or non-spatial tables)

ORACLE

PostGIS

Google BigQuery

& More…

Microsoft SQL Server

PostgreSQL

SAP HANA

snowflake

OPEN SOURCE

- Python scripts
- R scripts
- Python notebooks

Capabilities

Clustering
Regression
Descriptive stats
Confidence intervals
Link (graph) analysis

What's nearby?
How is it related?
How has it changed?
How is it distributed?

Seasonality
Forecast
Moving average

Import visuals
Save script as a tool
Run any library (Python & R)
Import & export data

Widgets
Maps
Tables
Charts
Interactivity
Overlay map layers

Exploratory

Statistical

Spatial

Temporal

Scripting

Analysis

Rename
Geo-enable location
Filter
Hide fields
Enrich
Calc & format fields
Join

Preparation

Run any library (Python & R)
Save script as a tool
Import visuals
Import & export data

Models

Feature layers
Relational database
Cloud data warehouse
OneDrive & SharePoint
Files

Connections

Data

Collaboration

Repeatable by other analysts
Document best practices
Repeatable by other analysts

Reports

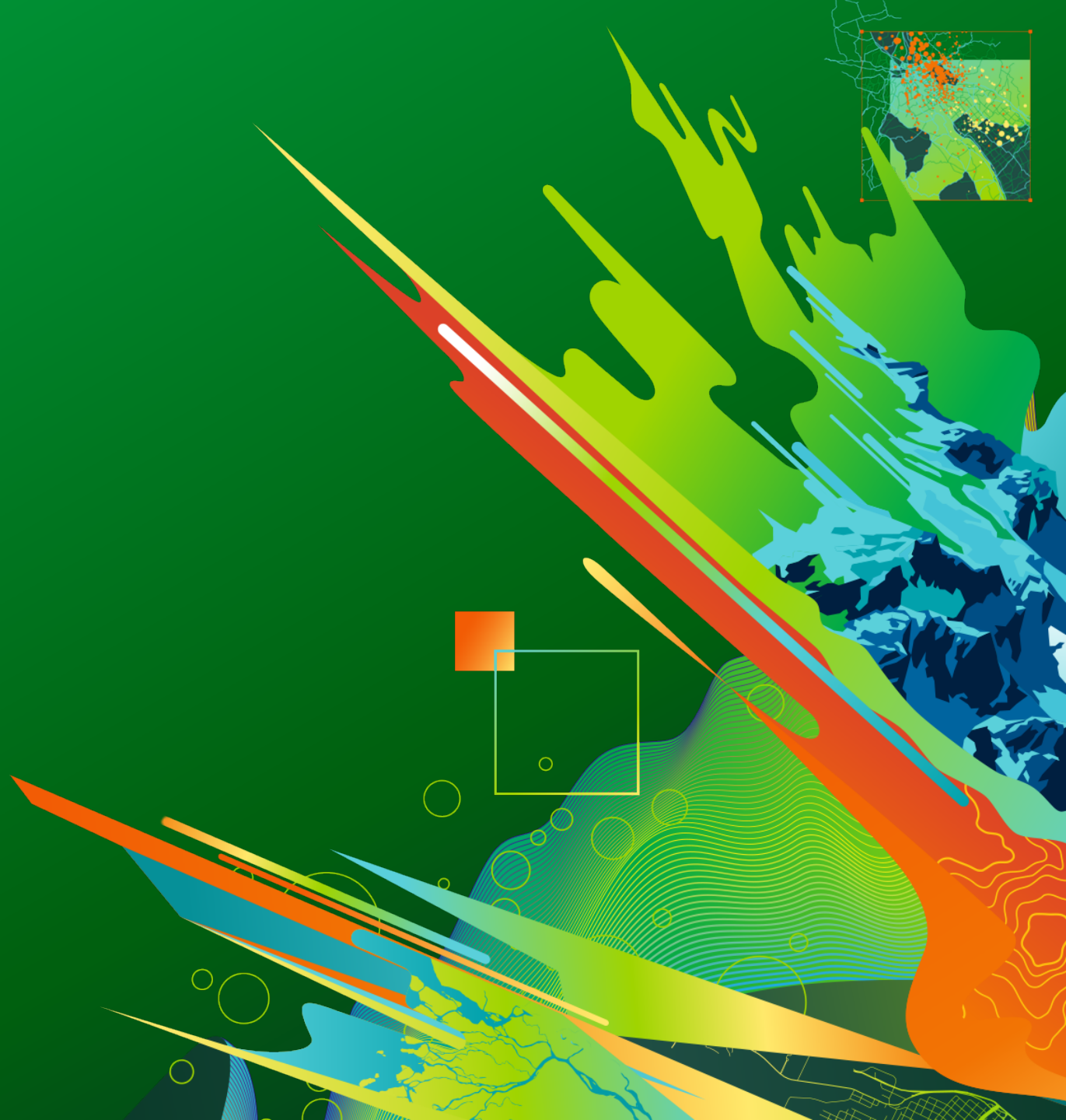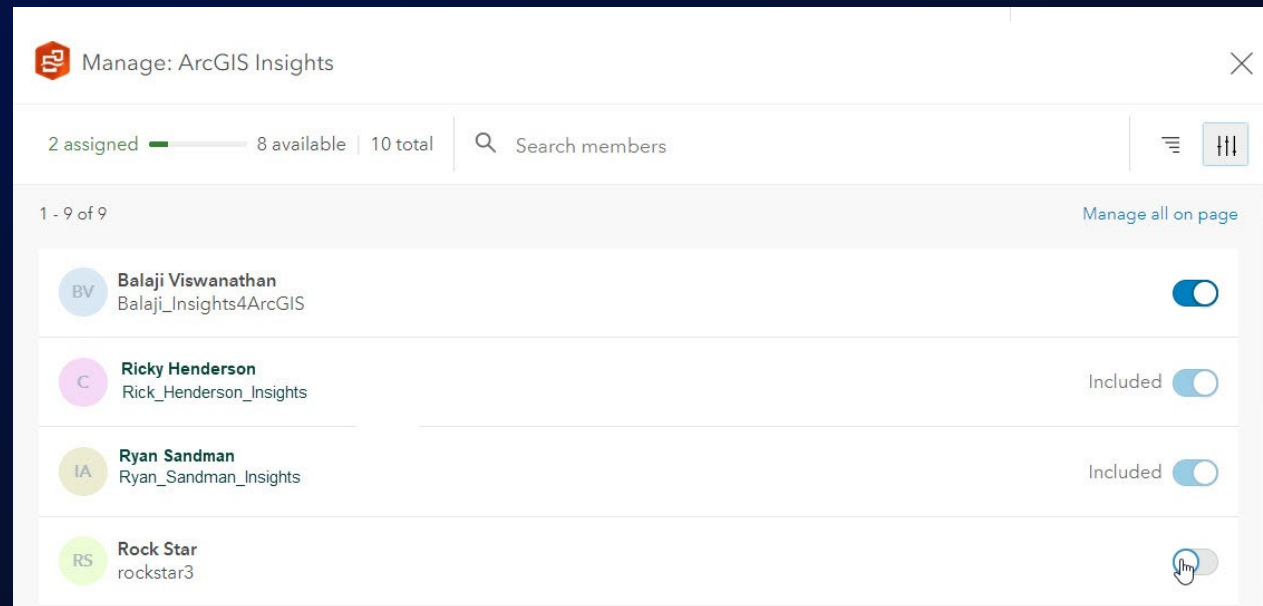# Demo

Akshay Harshe

Activate your license

1. **Identify your ArcGIS Administrator**

2. **ArcGIS administrator: download & install license (ArcGIS Enterprise Only)**

3. **ArcGIS administrator: assign licenses to users**

Your Potential Evolution of Insights

Initial Setup & Training

- Free 21-day trial
- Optionally download Insights desktop

- Self-guided tutorials and videos
- Instructor-led online course

Quick Win Project

- Connect to your data
- Perform analysis
- Add context, make a beautiful report
- Share, incorporate feedback, repeat

Organizational Awareness

- Executive awareness
- Educate value of location
- Gather need for additional projects

Resources

- www.esri.com/insights

- www.esriurl.com/InsightsCommunity

- www.esriurl.com/InsightsVideos
  www.esriurl.com/InsightsTrialVideos
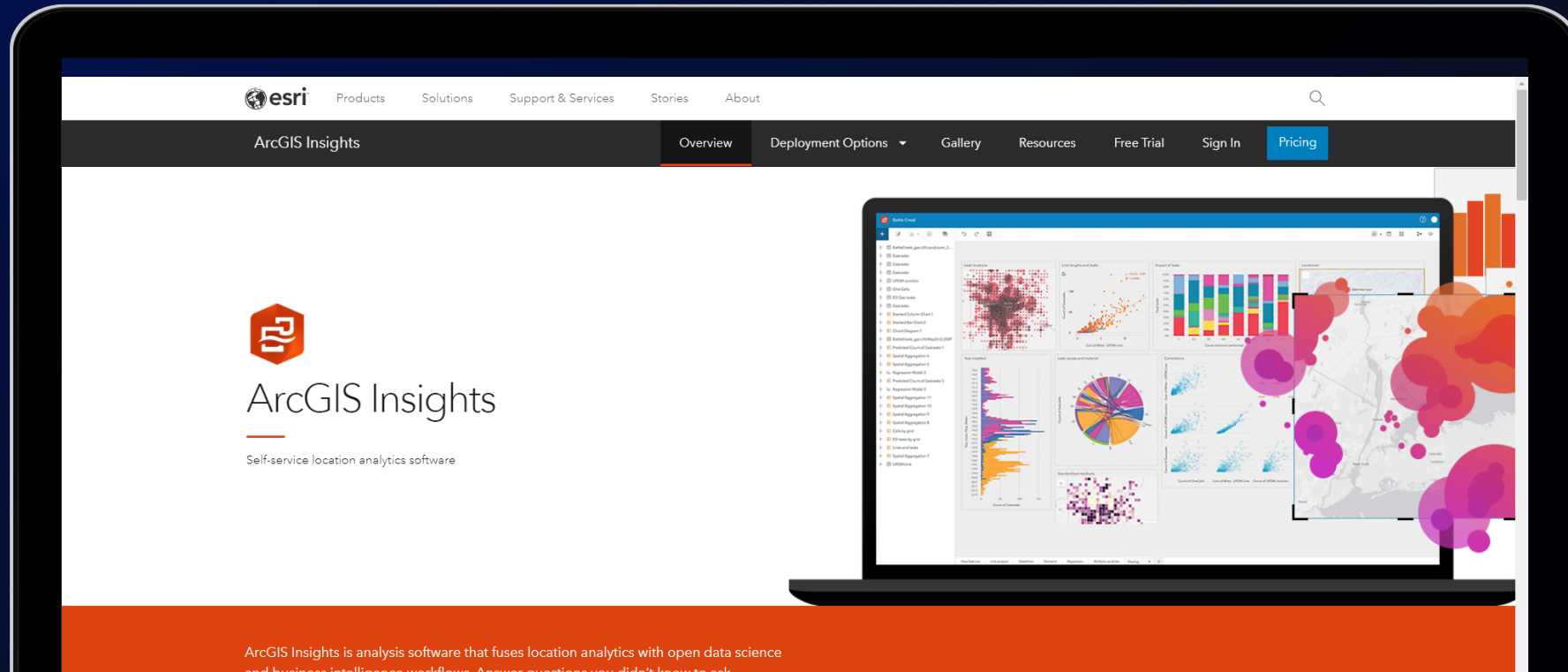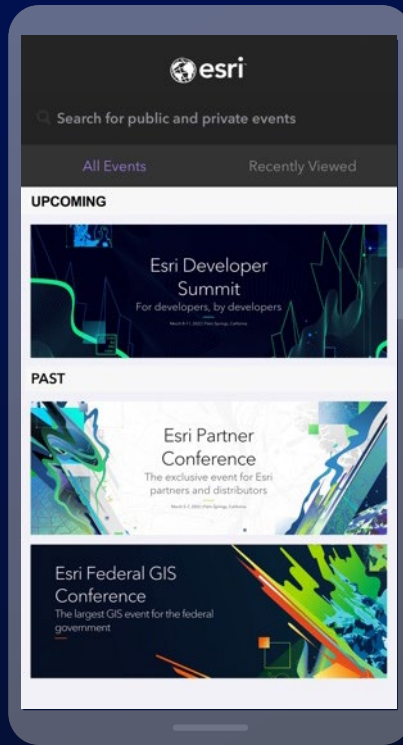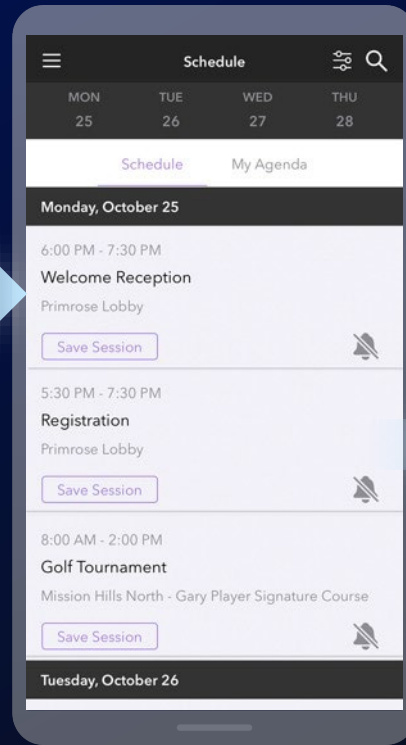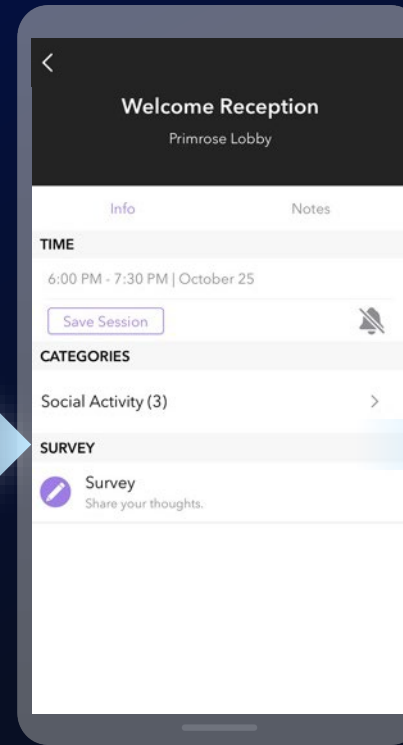
Questions?
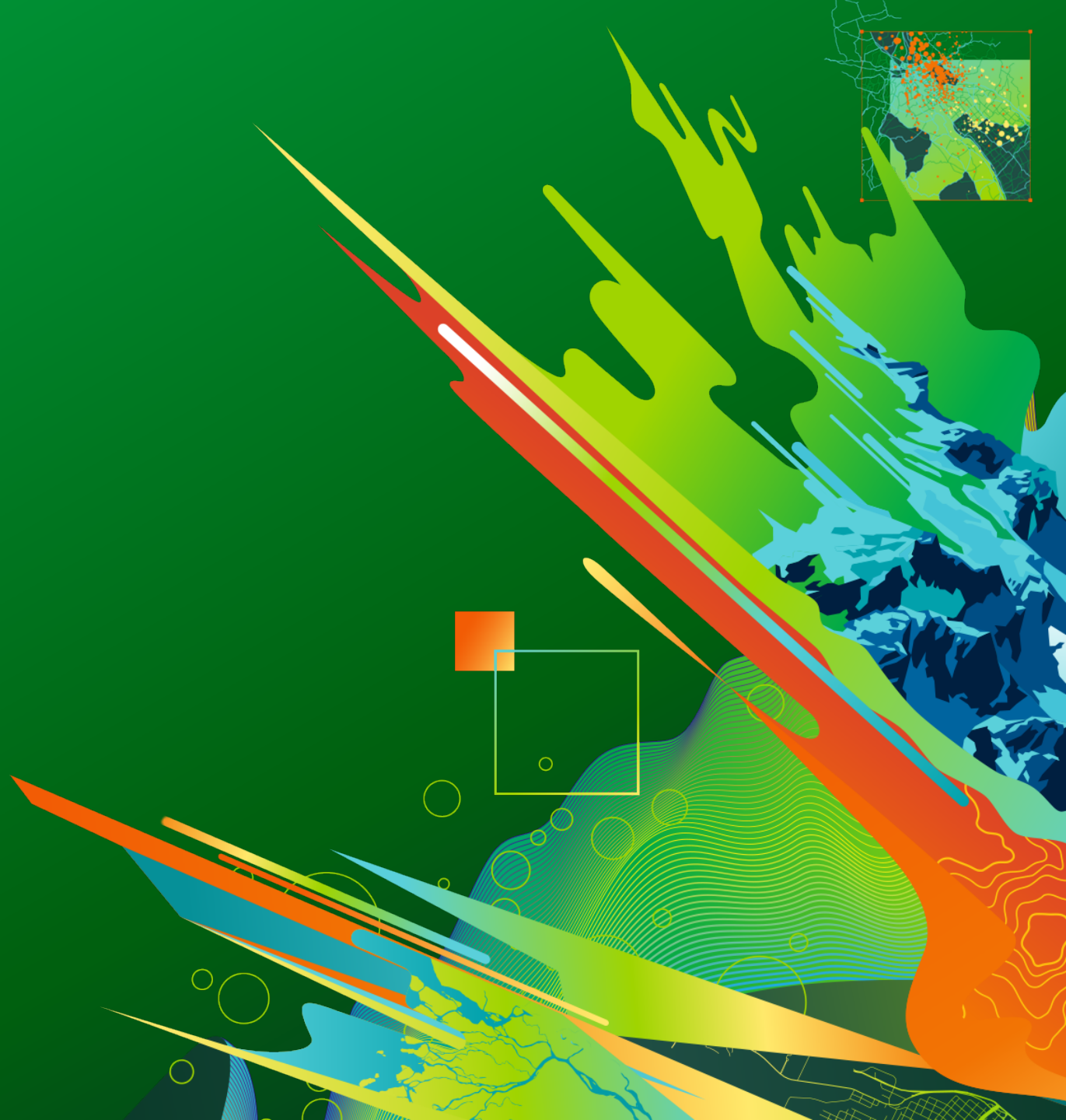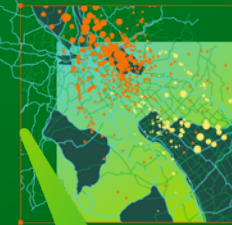
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