

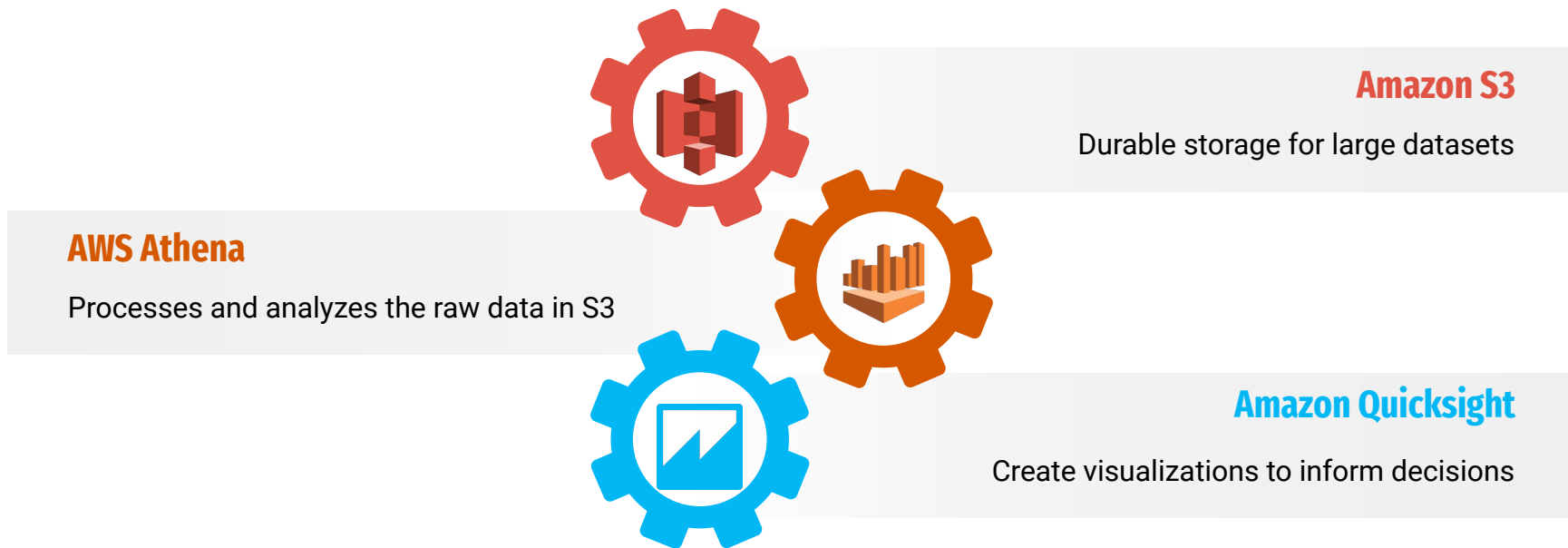
Understanding Climate Risk: AWS Athena & QuickSight



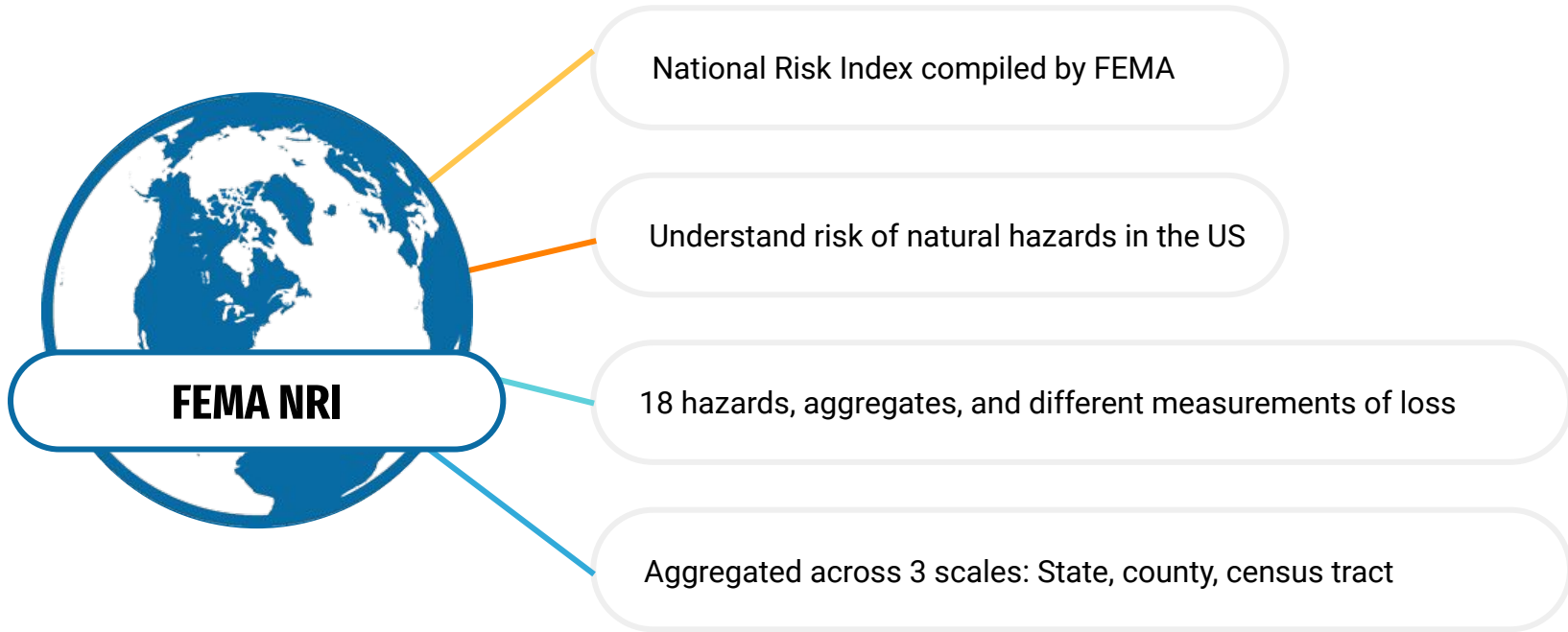
Apoorva Reddy Bagepalli, Modupeola Fagbenro, Paulina Mnev

Project Scope & Features

Store a dataset in S3 and use AWS Athena to run SQL:



Data Source



Risk Index Expected Annual Loss Social Vulnerability Community Resilience

The NRI has undergone a major data change - [Learn More](#)

County View Census Tract View Find a county or address

Data Download



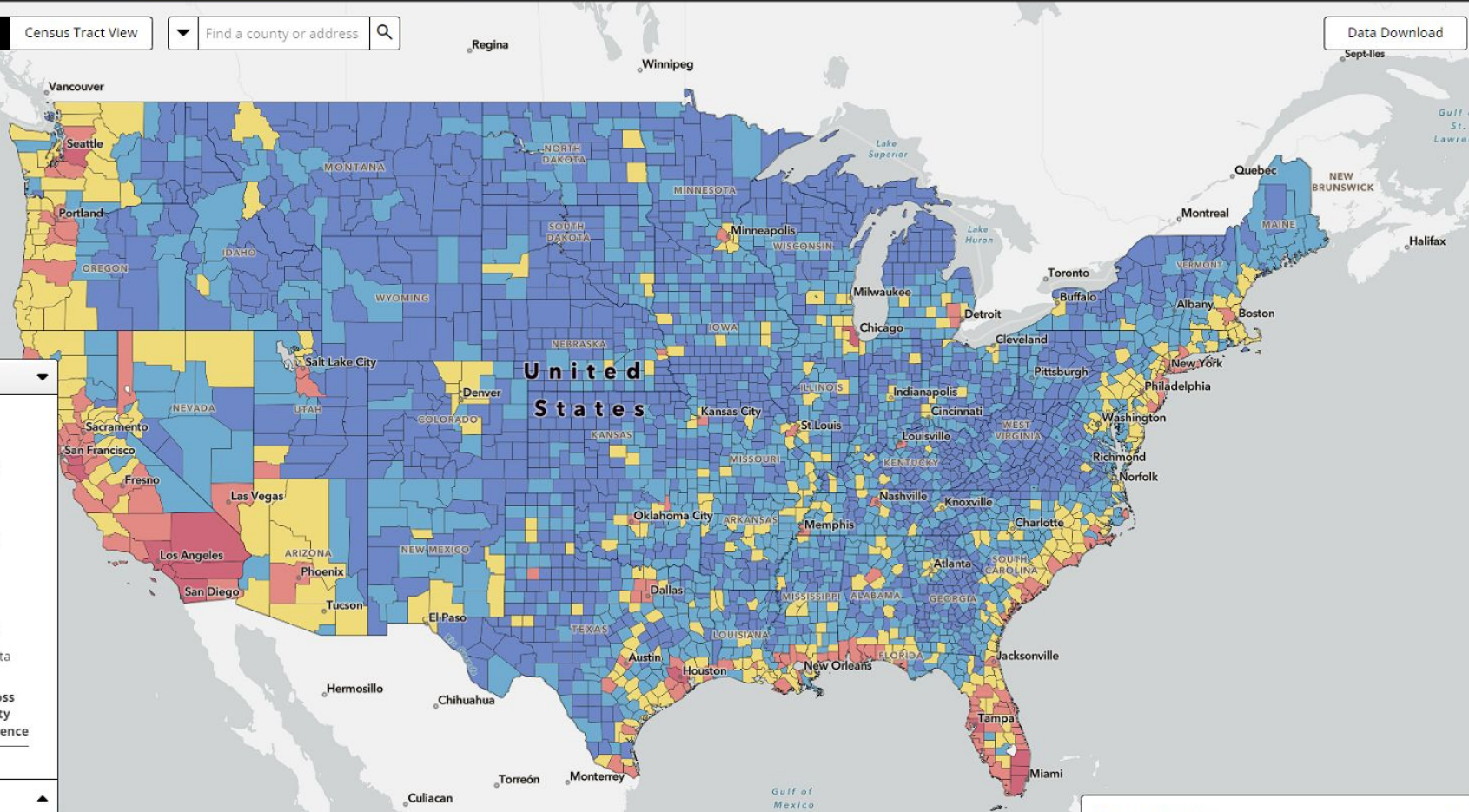
Legend

Risk Index

- Very High
- Relatively High
- Relatively Moderate
- Relatively Low
- Very Low
- No Rating
- Not Applicable
- Insufficient Data

Expected Annual Loss
× Social Vulnerability
÷ Community Resilience
= Risk Index

Basemaps



Create Report

Expected Outcomes

SQL Query



Store, retrieve,
query data using
AWS Cloud

Analysis

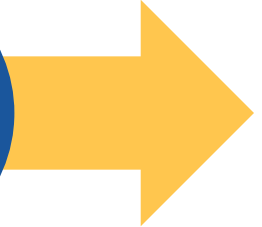


Answer 5 key
questions about
understanding risk

Visualization

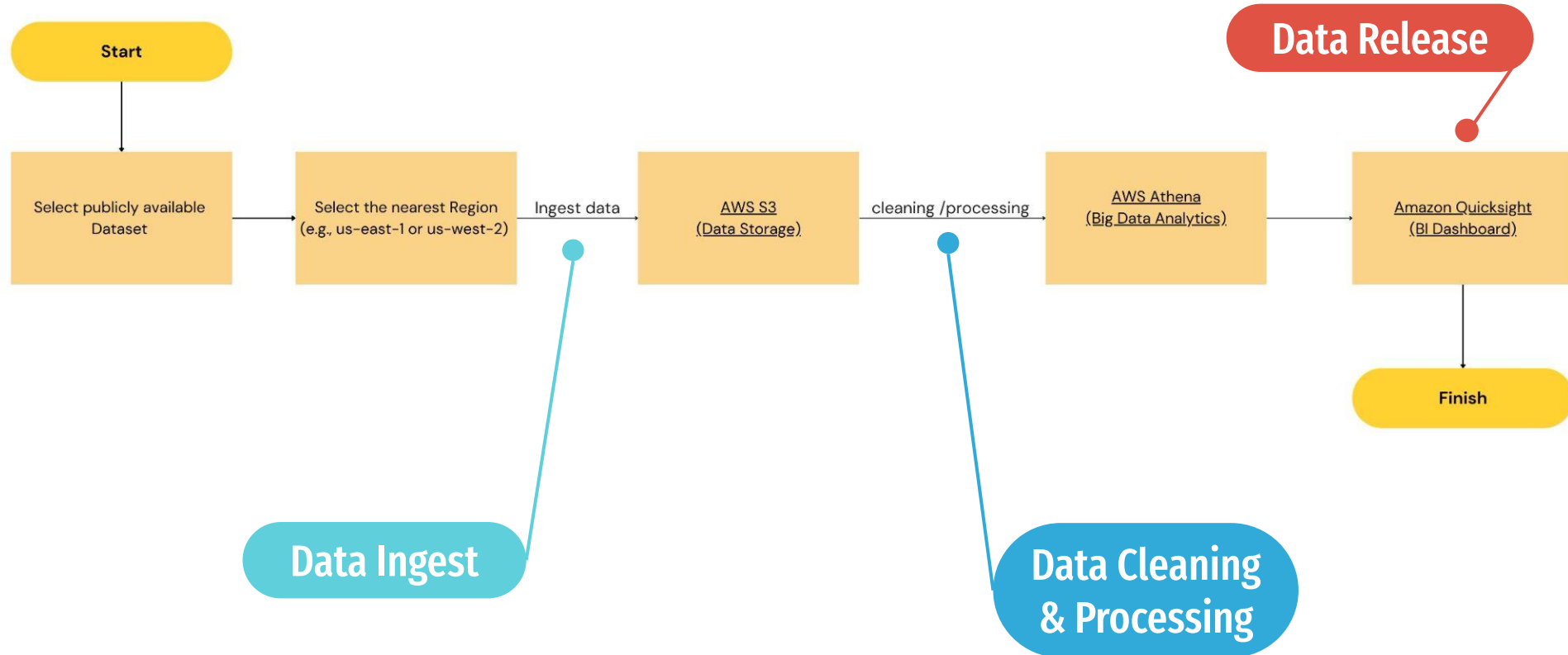


Create maps or
charts to visualize
results



Logical Architecture

Project structure design of Data Analysis with AWS Athena and S3



Any Questions?