



CARIGEO Student Competition
#YourCaribbeanStory
Get Started with Spatial Analysis

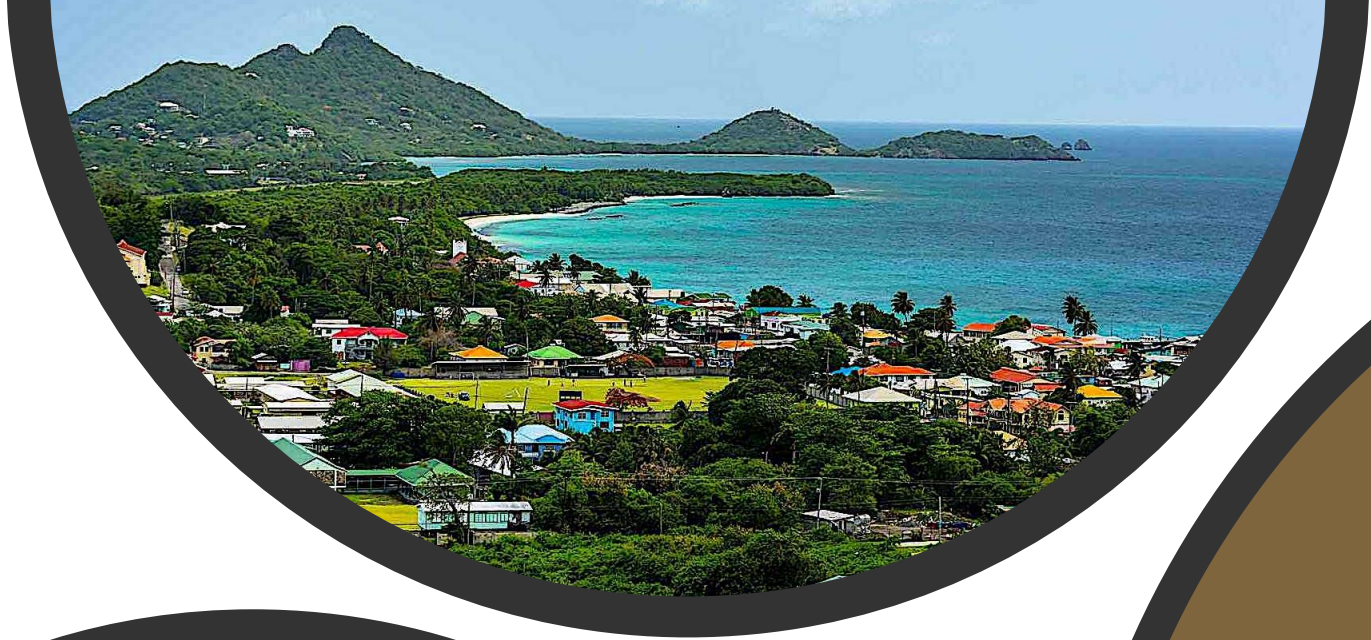


#YourCaribbeanStory Student Competition

An aerial photograph of a coastal town in the Caribbean. The foreground shows a dense cluster of colorful buildings with red, blue, and green roofs. A large green field is visible in the middle ground. The town is situated on a hillside overlooking a turquoise bay. In the background, there are more hills and a small island in the distance. The sky is clear and blue.

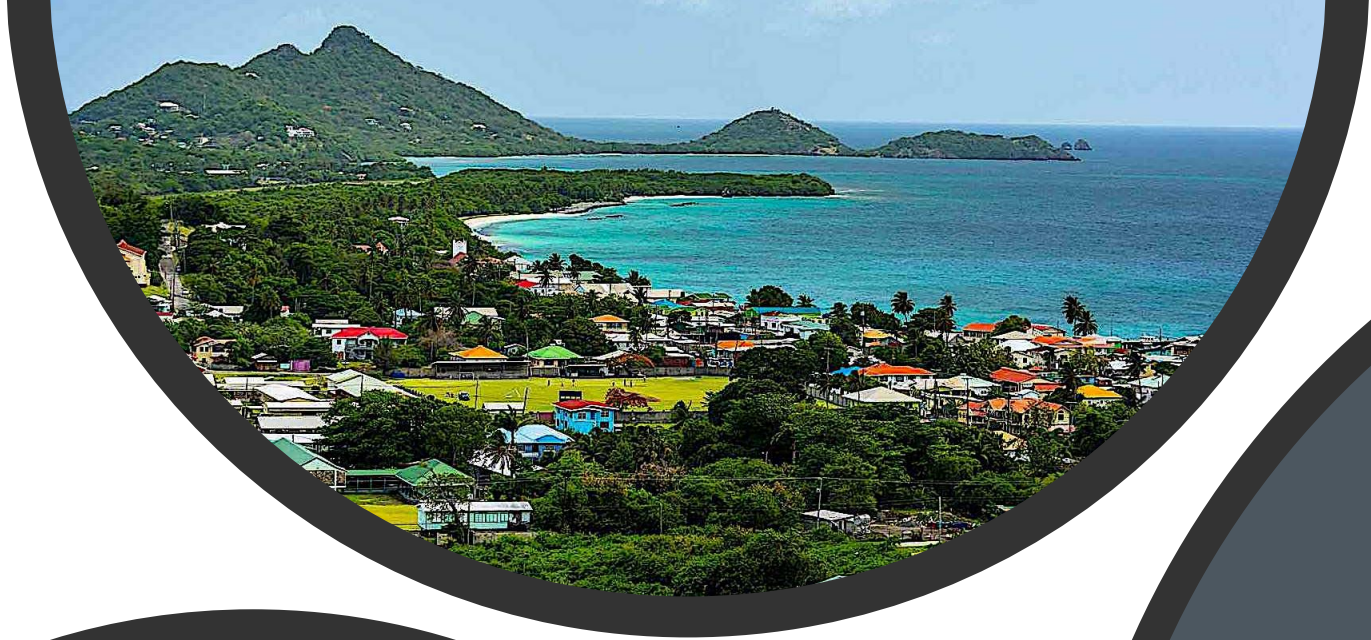
- Agenda
- Overview of contest
- Spatial Analysis
- Demonstration
- Resources to support you
- Open Q/A
- Close

<https://yourcaribbeanstory.caribbeangeoportal.com/>



Ms. Delphine Khanna

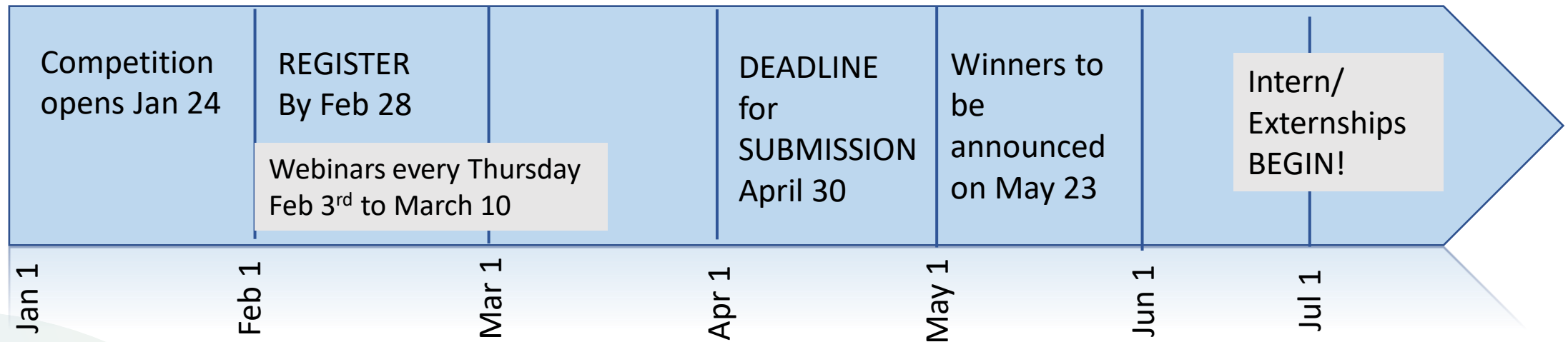
Senior Product Engineer,
Learn ArcGIS Team, Esri



Ms.
Kathy Cappelli

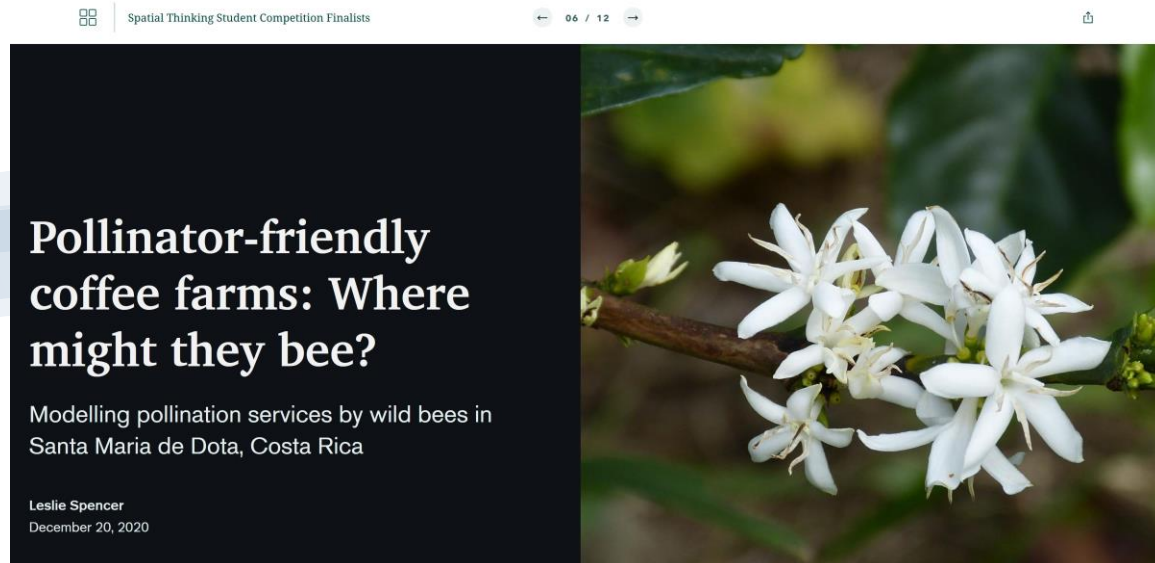
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Competition Basics



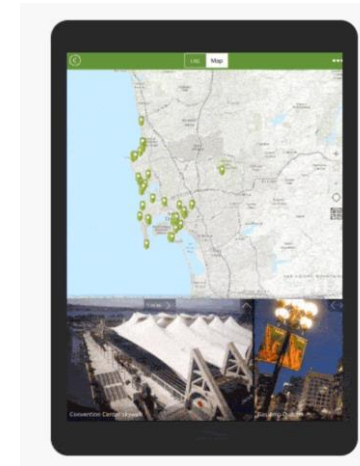
Competition Basics

- Decide which track you want to participate in
 - Place Based Storytelling – Track 1



Competition Basics

- Decide which track you want to participate in
 - GIS Application – Track 2



Build or Configure an engaging and useful app

And then tell us all about it!

What is spatial analysis?

- Gather data on a map and transform it to find answers to questions.
- Process:
 - Define your questions
 - Gather the data
 - Combine and transform the data
 - Visualize the results effectively

Poll Question

Resources to help you succeed

Analysis with ArcGIS Online

[Analyze volcano shelter access in Hawaii](#)

Analyze emergency shelter access on the island of Hawaii.

[No dumping - Drains to ocean](#)

Learn about finding upstream watersheds and downstream flow paths from point locations.

[Explore dynamic imagery of a volcano eruption](#)

Explore the Kilauea volcanic events of 2018 in Hawaii using dynamic imagery from ArcGIS Living Atlas of the World.

[Assess tornado damage to Main Street Nashville](#)

Generate Tessellations map of the reported areas of damage from a tornado.

[Depict land use change with time animation](#)

Use historical imagery and time animation to show land-use change in Thailand.

Resources to help you succeed

Analysis with ArcGIS Pro

[Map hurricane storm surges](#)

Use global elevation data to predict how storm surges will flood coastlines.

[Predict coral bleaching events](#)

Explore the impact of sea surface temperature on coral bleaching with multidimensional data.

[Site a sustainable shrimp farm](#)

Find the best locations to develop sustainable organic aquaculture shrimp farms in the Gulf of Nicoya, Costa Rica.

[Evaluate Ethiopia's changing landscape](#)

Use the Change Detection Wizard to identify land cover and NDVI change in Ethiopia.

[Assess burn scars with satellite imagery](#)

Calculate a burn index using imagery bands to measure fires in Montana.

Open Q/A

Webinar Series

- Starting on Feb 3rd – every Thursday 12 noon eastern
- Feb 3rd Preparing for the competition
- Feb 10th Get Started with Mapping
- Feb 17th Creating a Good Story with ArcGIS StoryMaps
- Feb 24th Get Started with Analysis
- **Mar 3rd Introduction to Visualization**
- Mar 10th Building an App 101

Register now!

<https://www.eventbrite.com/e/yourcaribbeanstory-webinar-5-visualization-tickets-274387529487>



Thank you!

Be sure to join us next week

