



Webinar: Achieve global supply chain transparency with intelligent visibility and predictive analytics

Agenda

What we do
AIS data level set
Live demo

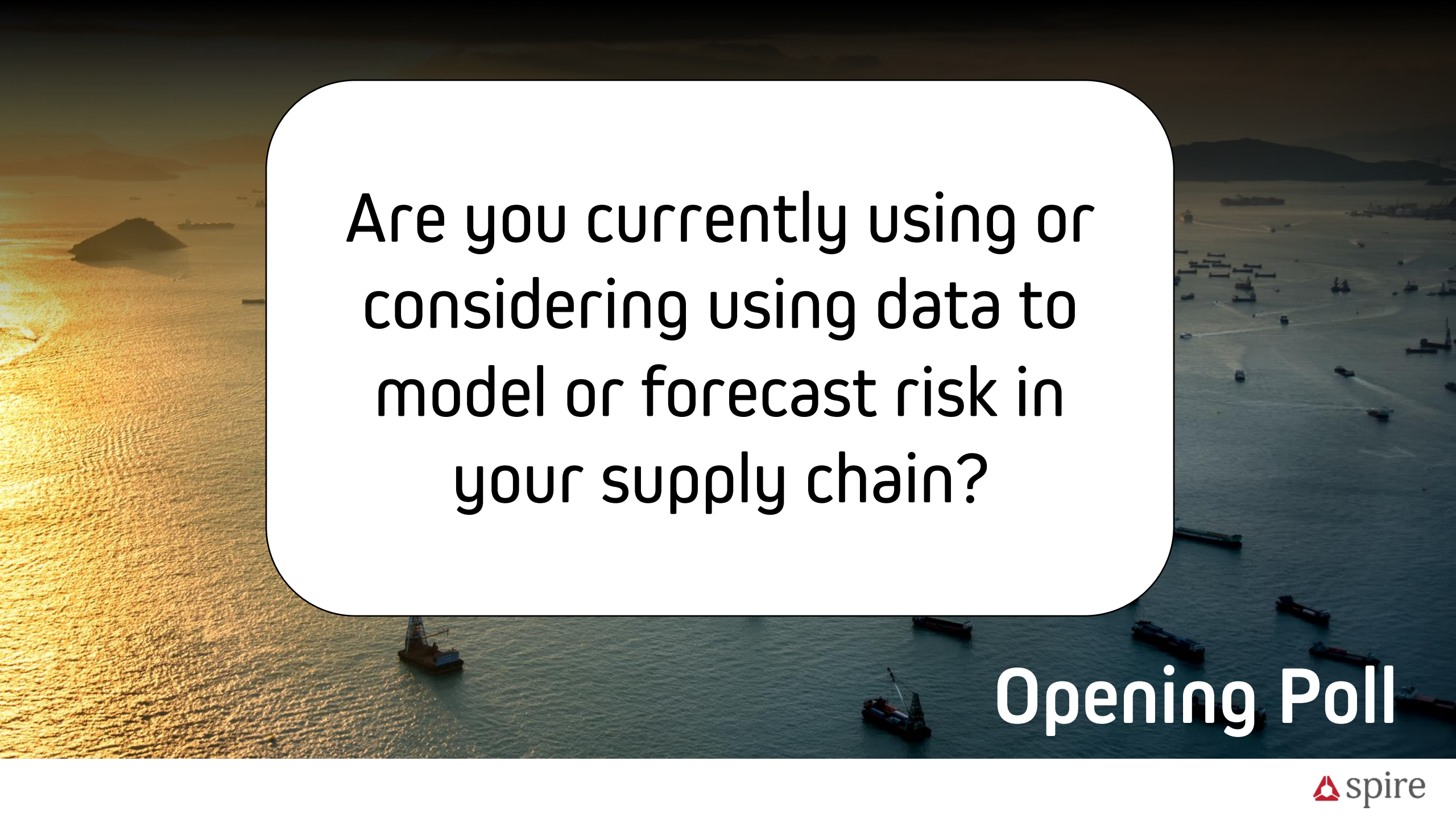
Introducing ODYN
Live demo
Future plans

Q&A





Opening Poll



Are you currently using or considering using data to model or forecast risk in your supply chain?

Opening Poll



Results



What We Do



Spire is a next generation data and predictive analytics company that collects data from space to solve problems on Earth. Spire identifies, tracks and predicts the movement of the world's resources and weather systems.

Global Nanosatellite Constellation



WHAT MAKES SPIRE DIFFERENT?





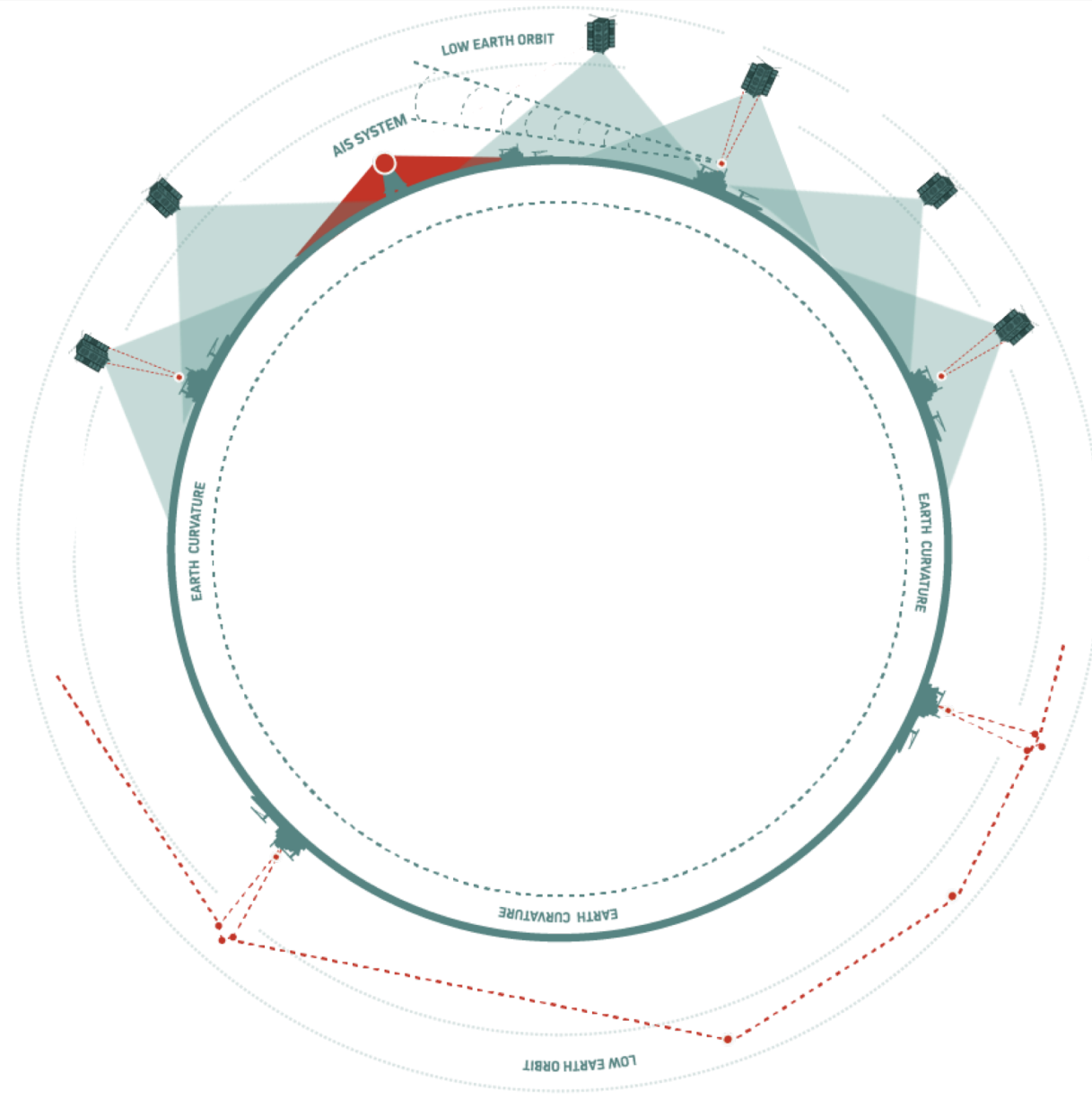
AIS DATA LEVEL SET

What is AIS?

- AIS: Automatic Identification System
- Developed as a collision avoidance system
- Mandated by the International Maritime Organization



Satellite AIS



AIS Data Overview

Vessel & Message Counts

180k+

Unique Vessels / Day
(Satellite + Terrestrial)

28M

Total Messages / Day
(Satellite + Terrestrial)

What fields are in each AIS Message?

- NMEA
- **MMSI**
- IMO
- Message Type
- Message Timestamp
- System Ingestion Timestamp
- Collection Type (satellite or terrestrial)
- Message Description
- Intermediary Message Source
- Message ID
- Country Flag
- Country Flag Short Code
- **Longitude**
- **Latitude**
- Position (GeoJSON)
- GPS Accuracy
- Course
- Heading
- **Speed**
- Destination
- ETA
- Status
- **Draught**
- Vessel Name
- Vessel Length
- Vessel Width
- Ship & Cargo Type
- Ship Type
- Call Sign



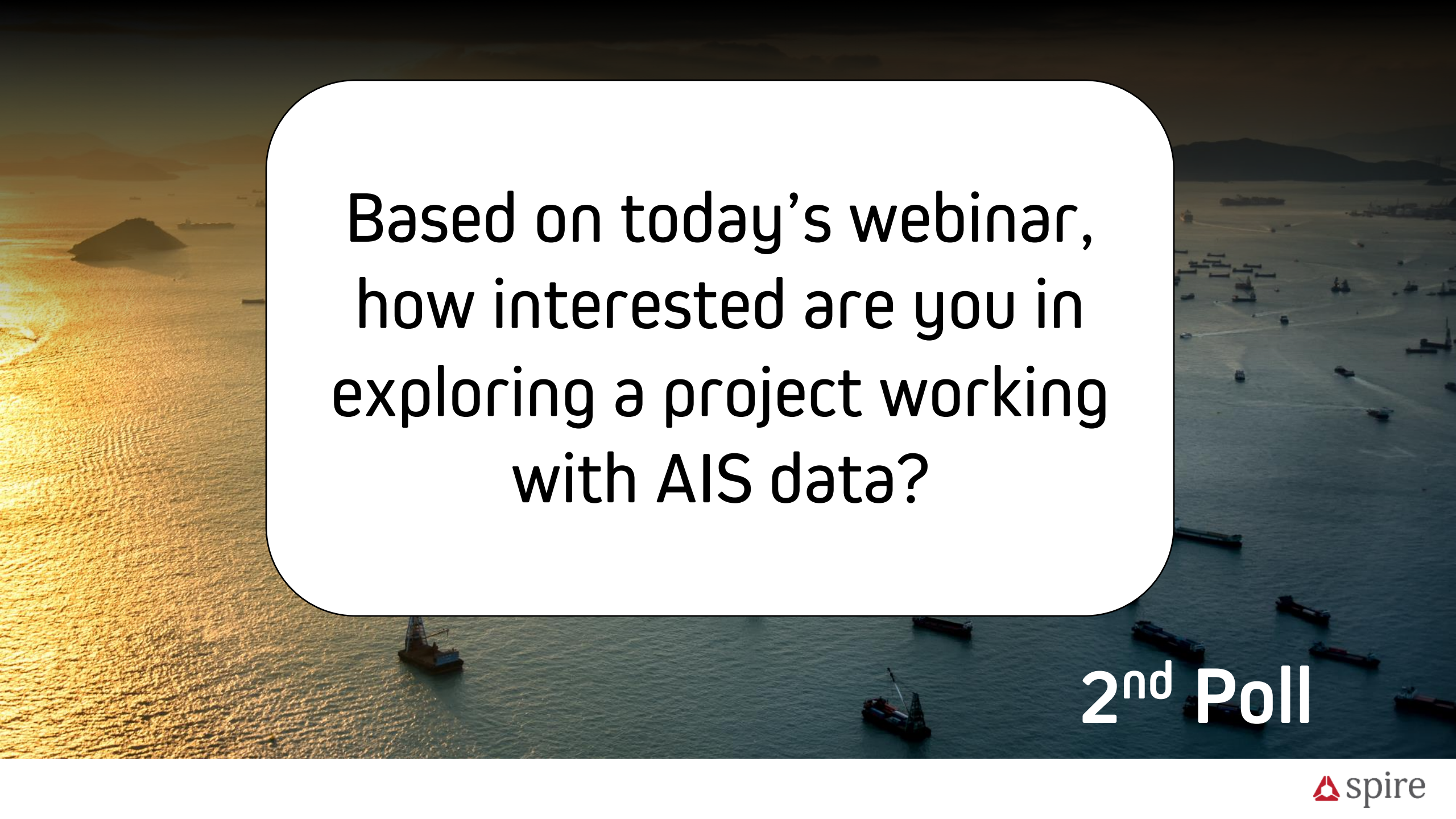
LIVE DEMO

An aerial photograph of a large harbor filled with numerous ships, likely a fleet of offshore supply vessels. The scene is captured during sunset or sunrise, with the sun low on the left horizon, creating a strong golden glow and long, shimmering reflections on the water's surface. The ships are scattered across the harbor, some in the foreground and others in the distance. In the background, dark silhouettes of mountains or hills are visible against the hazy sky. The overall atmosphere is serene yet industrious.

Introducing ODYN



2nd Poll

An aerial photograph of a large port area during sunset. The water is dark blue-grey, and the sky is a mix of orange, yellow, and dark blue. Numerous ships of various sizes are visible in the water, some with their lights on. The sun is low on the horizon, creating a strong reflection on the water's surface. The overall scene is a busy maritime environment.

Based on today's webinar,
how interested are you in
exploring a project working
with AIS data?

2nd Poll



Results



Q&A