



Risk Assessment

Using Traditional and Interactive Tools

Matt Bilderbeck

Navigatus Consulting, 2012





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Overview - Objective



To allow informed, risk-based, decisions around spill prevention and response strategy.

Overview - Context



- ▶ Changing sea traffic patterns and vessel profiles



- ▶ Improved spill response knowledge



- ▶ Recent incidents and rising environmental expectations

Overview - Context



- ▶ Changing sea traffic patterns and vessel profiles



- ▶ Improved spill response knowledge



- ▶ Recent incidents and rising environmental expectations

Overview - Context



- ▶ Changing sea traffic patterns and vessel profiles

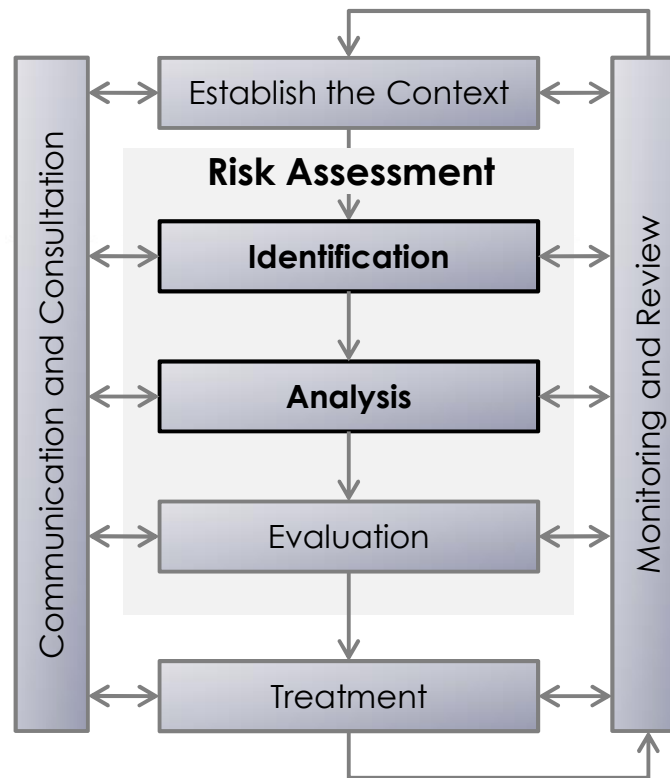


- ▶ Improved spill response knowledge

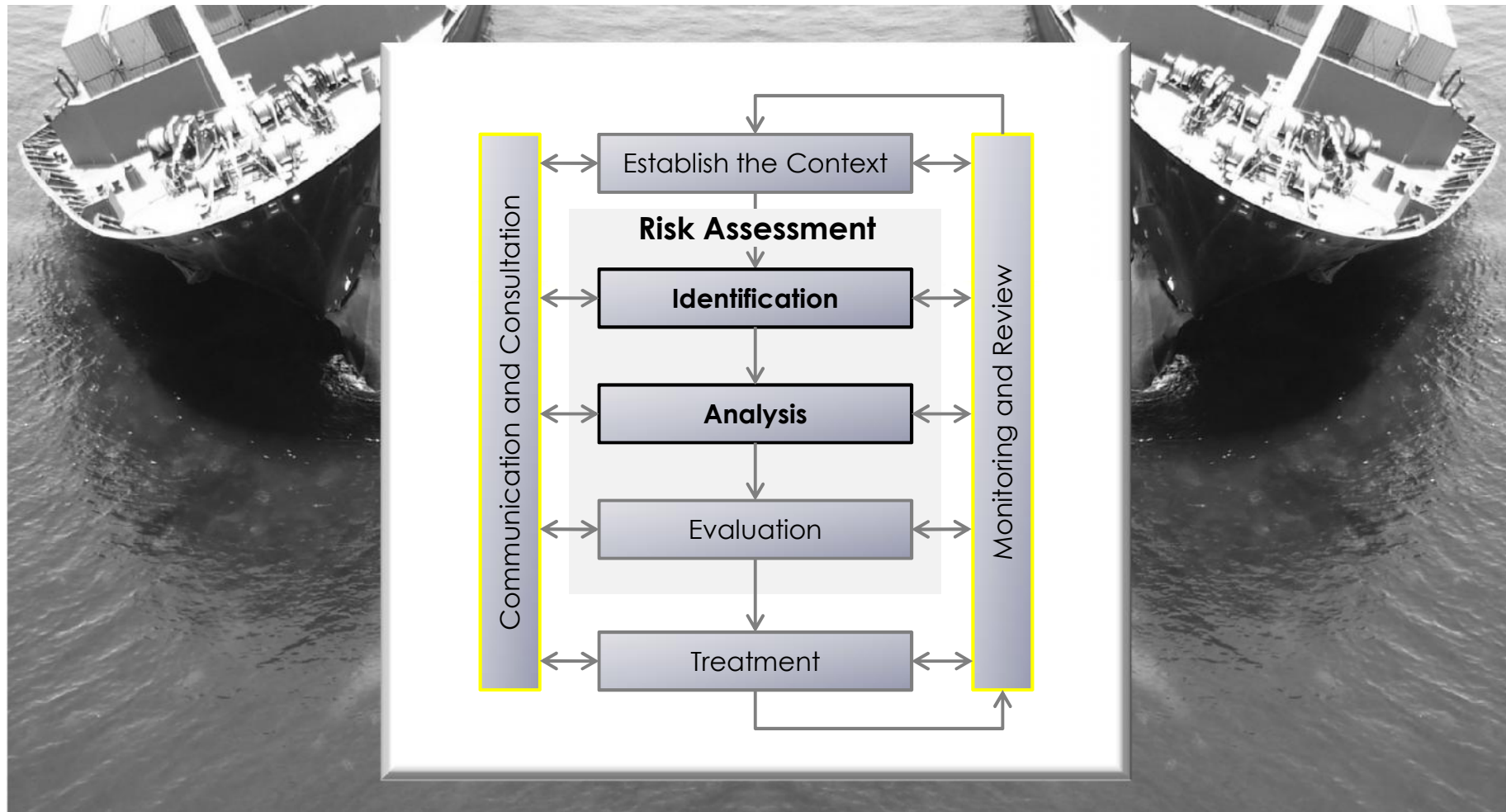


- ▶ Recent incidents and rising environmental expectations

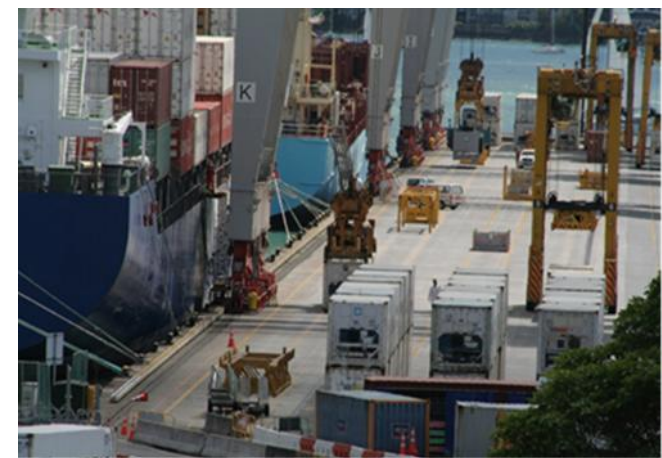
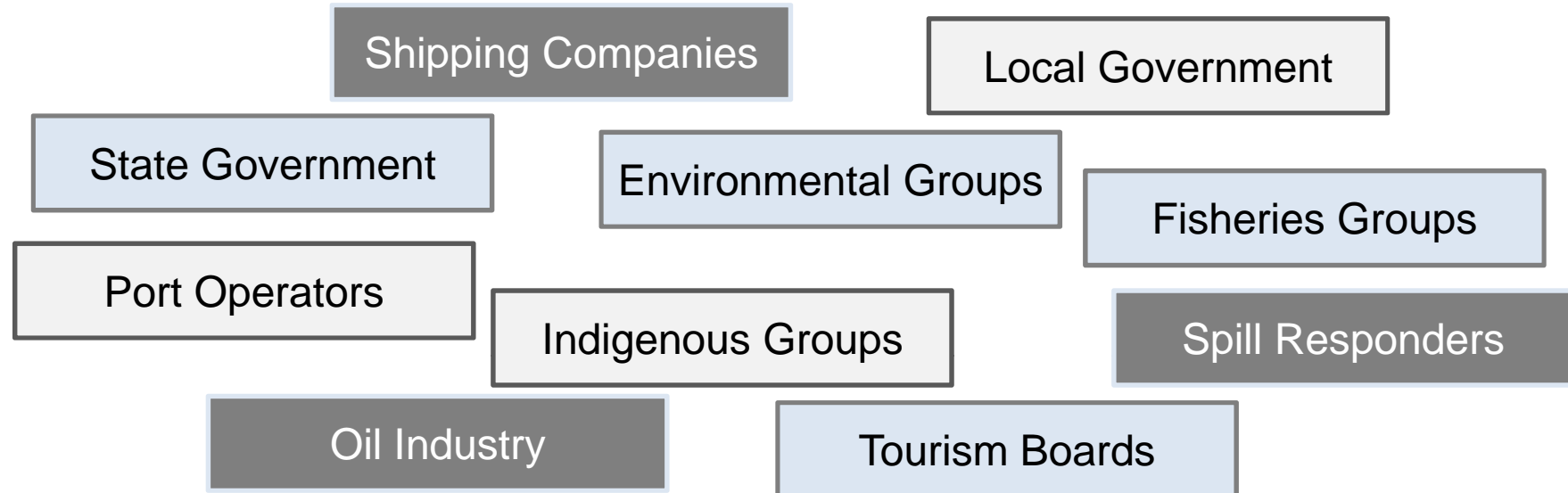
Overview - Process



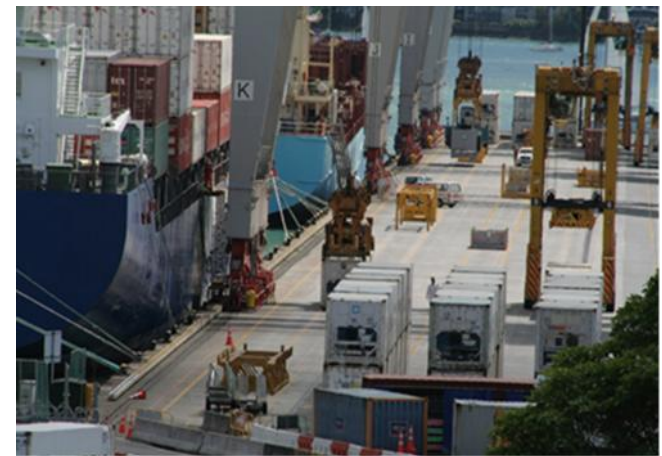
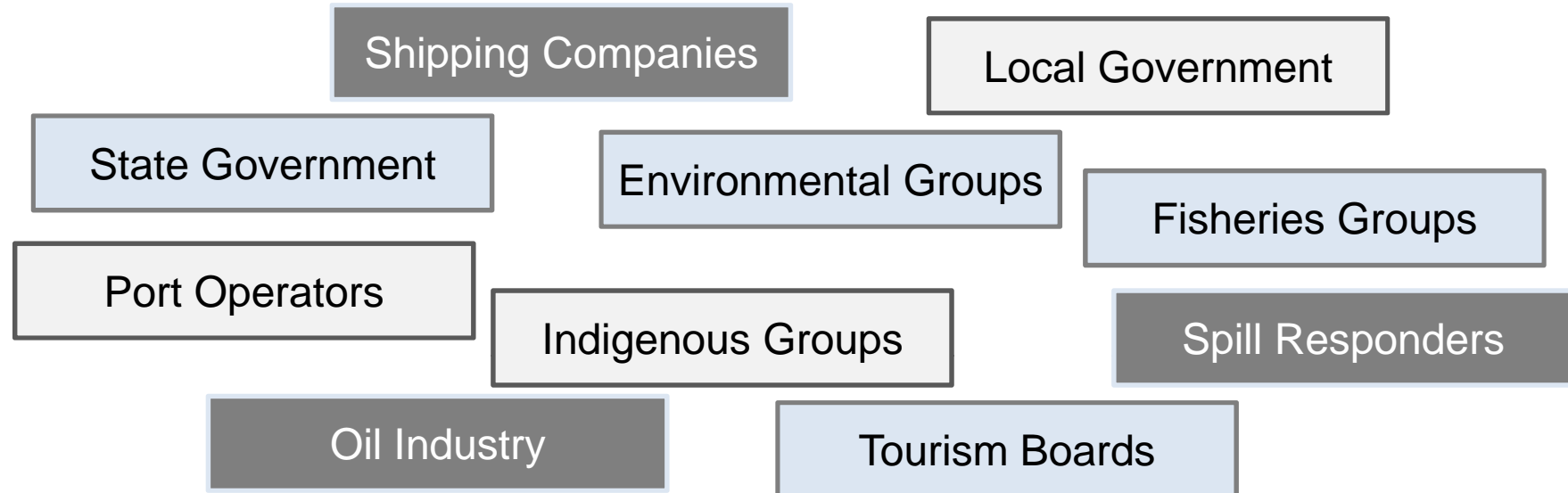
Overview - Process



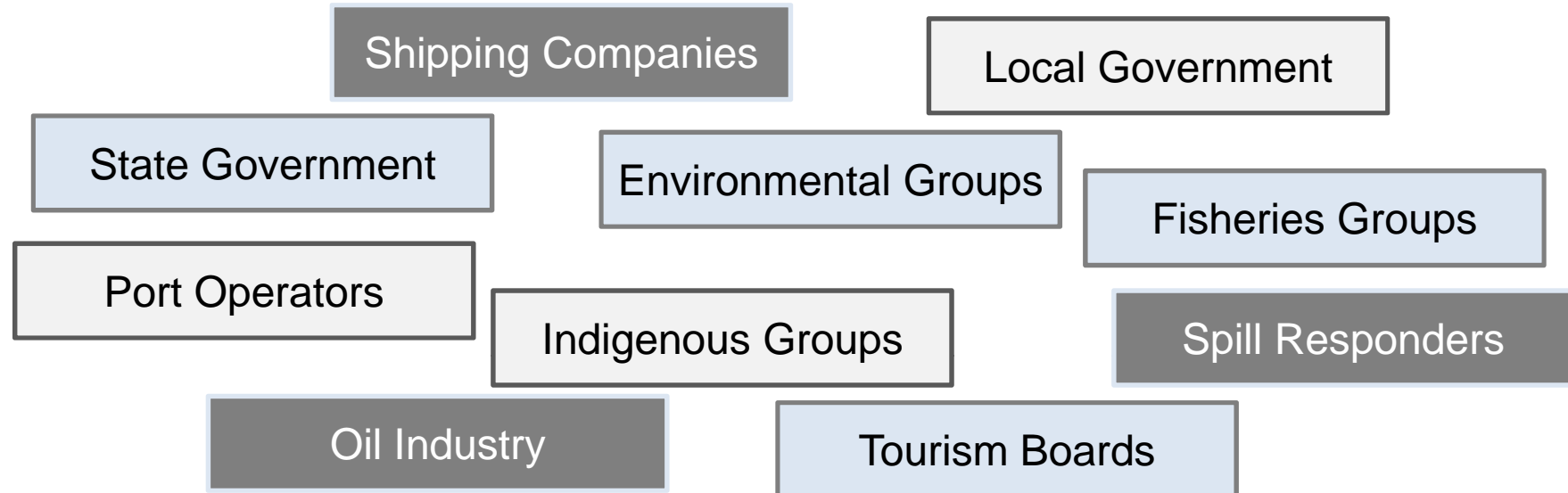
Stakeholder Engagement



Stakeholder Engagement

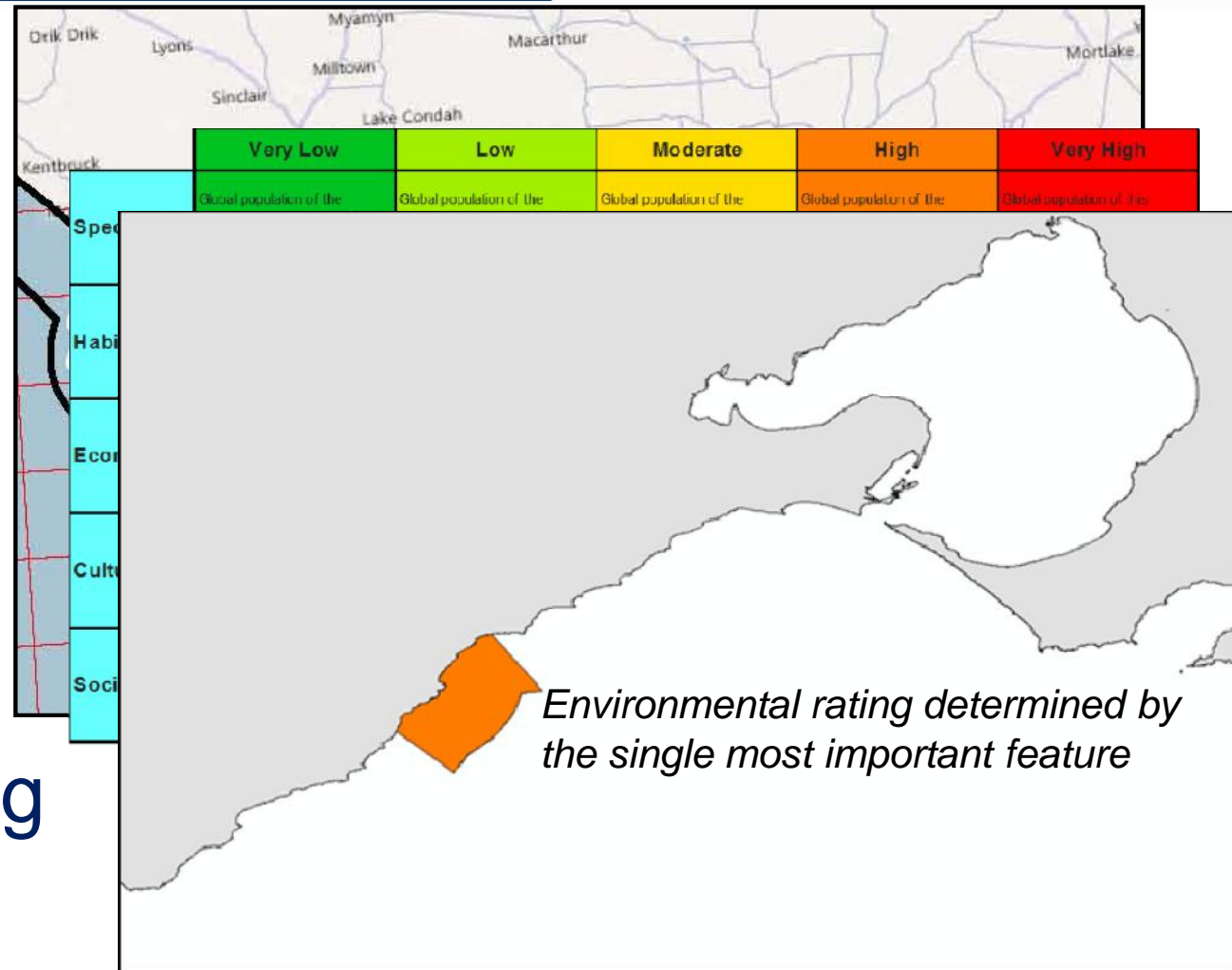


Stakeholder Engagement



Environmental Assessment

- ▶ Unit of Analysis
- ▶ Different Value Systems
- ▶ Value Rating System



Risk Analysis - Data

The screenshot displays a risk analysis software interface. On the left, a map shows a coastal area with a grid overlay. Below the map is a table with columns A, B, C, and D, and rows 1 through 22. A button labeled 'Open Risk Analysis Panel' is visible. On the right, the 'Edit Sea Cell' dialog box is open, showing the 'Cell Data' tab. The dialog box contains various input fields for cell data, including coordinates, asset counts, and activity levels. A 'Comments' text area is at the bottom of the dialog. The status bar at the bottom indicates 'Sample Cell #1 loaded.' and 'Ready'.

Edit Sea Cell

Sea Cell ID: Map Reference:

Cell Data | Ship Activity

Latitude: Longitude:

Number of Land Assets: Traffic Density:

Number of Oil Production Platforms: Navigational Hazard Rating:

Number of Gas Platforms: Production Platform - Level of Activity:

Number of FPSO: Port - Level of Activity:

Number of Pipelines: Port - Quality of Management:

Number of Wells: Sea Bed Hardness:

Presence / Absence

☐ Port ☐ Oil Transfer Facilities ☐ Storage Facilities

☐ Bunkering ☐ Shipping Lane

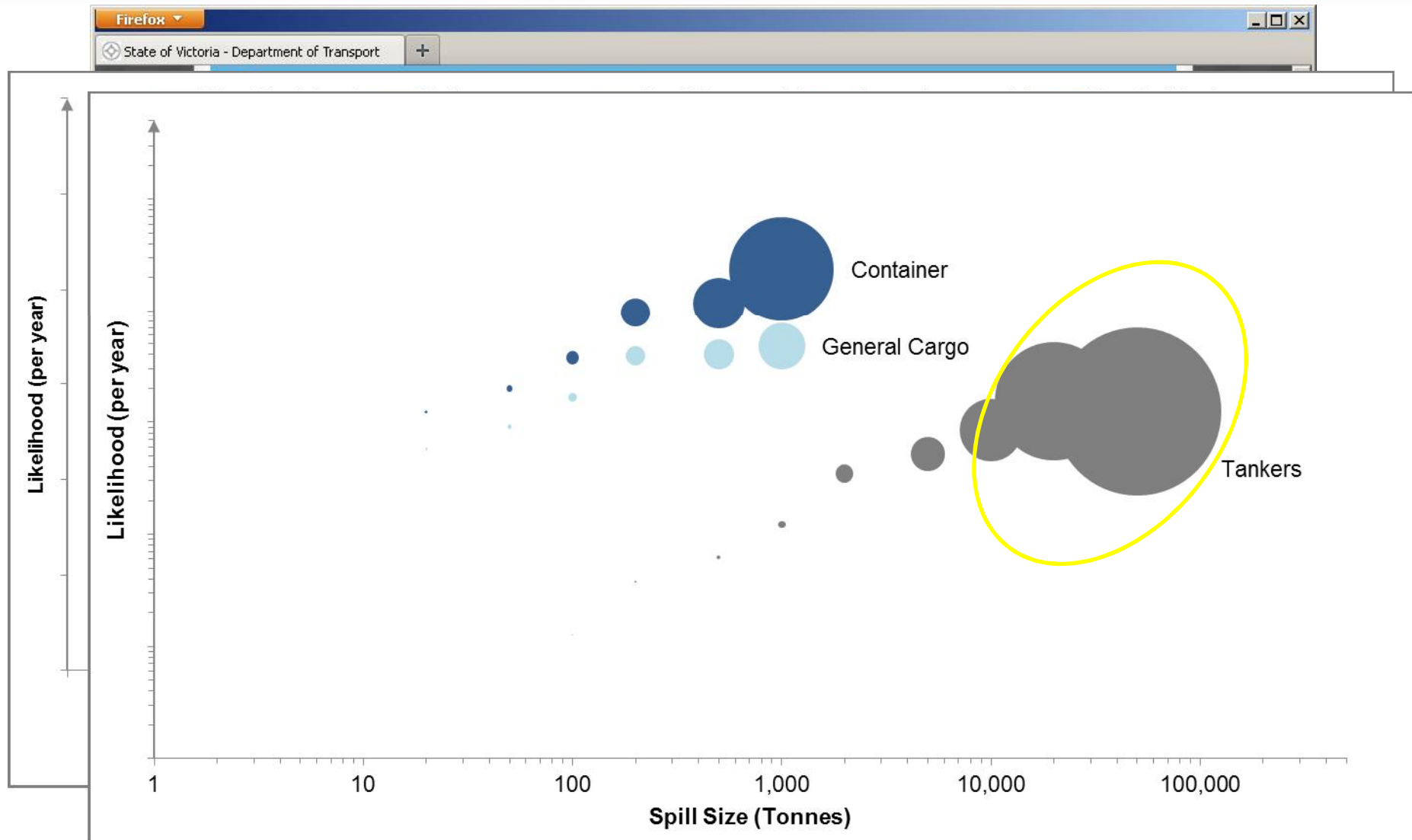
Comments:

Sample Cell #1 loaded.

Risk Analysis - Structure



Risk Analysis – Outputs



Summary



- ▶ Create Effective Relationships
- ▶ Maintain Transparency
- ▶ Strive for Simplicity



Thank You



For more information contact:

Matt Bilderbeck

Email: m.bilderbeck@navigatusconsulting.com

Phone: +64 9 282 4489

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