Supply Chain Resilience
Using geo data to manage supply chain risk

Matthew Davis
Marketing Manager
Setting the standard in supply chain risk management

Managing an ecosystem of 500,000 organisations
1. A perspective on geo risk

Setting the standard in supply chain risk management
The UK National Supply Disruption Response

The Challenge
Enable non-stop lifesaving care, delivered to NHS patients

- Map full tier+ supply chains of essential 'at risk' products
- Comprehensive location profiling
- Natural disaster risk feed and overlay
- Analysis supporting national crisis response and modelling
3. Mapping disruption
3. Mapping disruption
Geo risk in context – pinch points

'A step in the chain where disruption could cause a serious reduction in supply to consumers'

✓ Capacity management
  Alternative stand up – time and volume?

✓ Redundancy
  How dependent are its 'buyers'?

✓ Redundancy downstream
  Will Tier 0 be affected?
4. Using the data

Reactive
- Labour strikes
- Technology issues
- Management issues
- Resourcing shortages

Predictive
- Location redundancy
- Continuity planning
- Standards / ISOs / compliance

Push
Pull
- Natural disasters
- Extreme weather
- Transport delays

- Natural hazard risk
- Transport hub efficiency
- Financial data
- Country risk metrics
- Commodity pricing
- Trade tariffs
Supply Risk Assessment – organisation & product view

### Answers to questions

<table>
<thead>
<tr>
<th>Category</th>
<th>Questions</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction</td>
<td>1</td>
<td>1 R</td>
</tr>
<tr>
<td>Instructions</td>
<td>2</td>
<td>1 R</td>
</tr>
<tr>
<td>Product Ownership &amp; Rights</td>
<td>4</td>
<td>1 R</td>
</tr>
<tr>
<td>Inventory Mgmt &amp; Distribution</td>
<td>13</td>
<td>1 R</td>
</tr>
<tr>
<td>Final Point of Manufacture</td>
<td>10</td>
<td>1 R</td>
</tr>
<tr>
<td>Component Production</td>
<td>7</td>
<td>1 R</td>
</tr>
<tr>
<td>Raw Materials</td>
<td>5</td>
<td>1 R</td>
</tr>
<tr>
<td>Commercial Risk</td>
<td>11</td>
<td>1 R</td>
</tr>
</tbody>
</table>

### Total

- **57%**
  - Risk flags (11)

### Awards

- Invent...
- Final P...
- Comp...
- Raw M...
- Comm...

---

4. Using the data
5. Opportunity and Growth of 'SCRiM'

The Supplier Registration Portal for Government

Register as a supplier
Register to increase your visibility to over 6,000 government buyers

Create a Standard Selection Questionnaire
Create or update your SSQ to demonstrate your suitability for government contracts

Take the HMG Modern Slavery Assessment
Get guidance and demonstrate compliance with the UK Modern Slavery Act

Search for contract opportunities
Find and apply for live government contracts

Register as a buyer
Gain access to reliable, up-to-date supplier information

Find a supplier
Search over 300,000 supplier profiles and assess suitability

Access the GBFOOD Marketplace
Find food and drink suppliers and assess products and services using the Balanced Scorecard

Sign in to your Dashboard
View and manage your account information
Thank you

Matthew Davis
Marketing Manager

Matthew.davis@nqc.com