FOOD CHAIN RISK MANAGEMENT SYSTEMS

AIMS

We are conducting a project to answer the following questions:
1) How can the flow of critical information from stakeholder to stakeholder be improved, both up and down the supply chain?
2) Can we identify common principles/specifications to facilitate consistent application given the increase/divergence in technological solutions?

SCOPE

- Integrity/Authenticity
- Food/Feed Safety
- Quality?

Understanding that what is a quality issue to one stakeholder may be a food safety issue elsewhere in the supply chain

WHY IS IFST DOING THIS?

To realise advantages and solve challenges for stakeholders

<table>
<thead>
<tr>
<th>Advantages</th>
<th>Challenges</th>
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</thead>
<tbody>
<tr>
<td>Consumer benefits</td>
<td>Degradation of trust</td>
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<td>Build trust</td>
<td>Increased regulatory intervention</td>
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<tr>
<td>Facilitate meeting legal obligations</td>
<td>Complexity of supply chain</td>
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<tr>
<td>Foster best practice</td>
<td>Inaccuracy of information</td>
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<td>Efficiencies (speed, frictionless borders. waste)</td>
<td>Poor/slow responsiveness</td>
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<tr>
<td>Avoid business disruptions</td>
<td>Lack of technological capability</td>
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<td>Freedom to operate</td>
<td>Accessibility restricted</td>
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<tr>
<td>Earned recognition</td>
<td>Risk appetite/uncertainty</td>
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<tr>
<td>Accessible</td>
<td>Cost</td>
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<td></td>
<td>Misinterpretation or misuse of data</td>
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GENERAL PRINCIPLES

- Global – a common best practice standard
- Accessible – all food chain players
- Confidential and secure
- Permit open flow of information
- Relevant to food chain needs/data format
- Real-time batch/lot location in food chain
- Consumer visibility of information
- Build food safety culture

TECHNOLOGICAL PRINCIPLES

- Interoperability across technologies
- Up and down the supply chain
- Security levels of disclosure (different actors)
- Open standard
- Immutable
- Affordable
- Independently verifiable

Inputs

Primary Production ➔ Food Business Operator ➔ Food Business Operator ➔ Consumer

Facilitating flow of information between stakeholders