Food information systems and their design (part 5 of 5)

Presented by:

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Based on materials from:

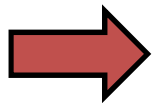Dr Heiner Lehr

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- Review of Day 1

- Food information systems

- Examples of traceability systems
    a. Livestock (South Africa)
    b. Chicken (China)
    c. Export grapes (India)
    d. Additional case studies:
        - Palm Oil (RSPO)
        - Halal

- Practical exercise

Case study: Halal traceability and Halal Assurance

Supply Chain Example
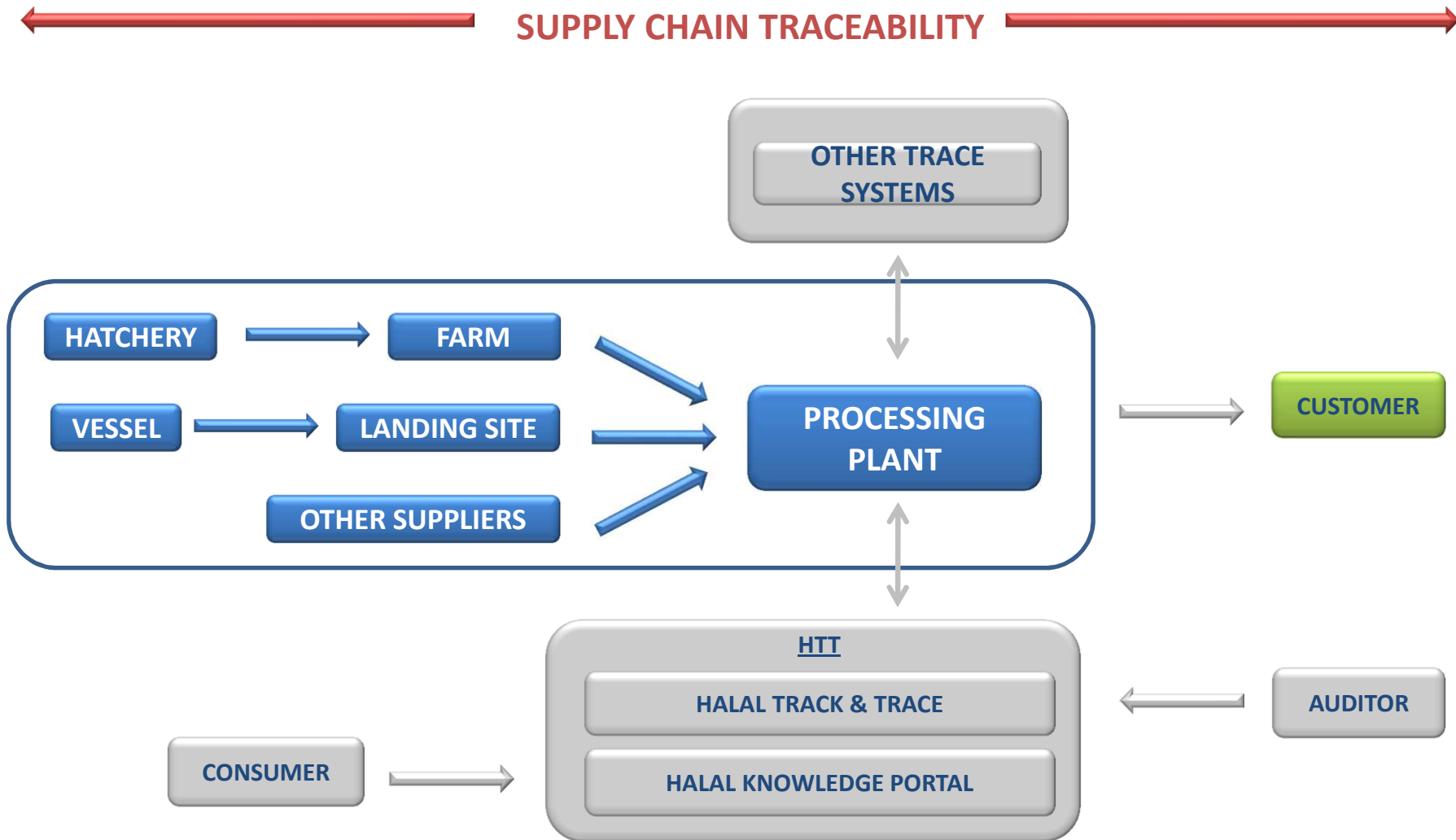
The particularities of Halal food

- ## Halal food has particular requirements
  - The spiritual aspect exempts it from a risk-management approach
  - Only very limited physico-chemical or microbiological tests available

- ## Basic challenges
  - Certificate/label fraud
  - Doubtful certificate schemes
  - Misinterpretation of certification scheme rules
  - Multitude of certification schemes with different requirements

- ## There is a clear need for Halal assurance through <u>information exchange</u>
  - Only the provision of detailed and reliable information can help

Limitations of the chain of trust

- Fraud?
- Human error?
- Lack of information?
- Lack of knowledge?

Traceability as key for Halal assurance

Traceability systems help ensure Halal integrity

- By providing clear information with regards to origin and processes

- By linking food safety to the process flow

- By ensuring that all planned safety measures have been carried out

- By ensuring that labels are correct

Halal traceability systems:

istics
- Includes GDN and GRN, as well as RFID subsystem
- Increases efficiency of the supply chain
- Decreases the error rate on site

ability
- Manages Halal on a per lot basis
- Increased trust levels through transparency
- Meets export requirements
- Advanced risk management through recall/withdrawal

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- Includes Food Safety Management
- FBO can demonstrate production of safe Halal food

l Practice
- Includes Halal management and Halal verification
- FBO can show its commitment to Halal management

ificate
- FBO has to supply only certificate, ingredient list and suppliers
- Minimal service guarantees valid Halal certificate of FBO and its suppliers