THE GLOBAL
FOOD SAFETY
INITIATIVE
The Consumer Goods
FORUM
GFSI

- Introduction to GFSI
- Food Fraud Mitigation

The Consumer Goods FORUM | GFSI

Introduction to GFSI

GFSI: Response to Growing Need

High-profile food safety crises

Audit fatigue with duplication and divergence

Multiple recalls from shared supply chains

CEOs of world food retailers agreed to take collaborative action

The Global Food Safety Initiative was launched in 2000

GFSI: Global Food Safety Initiative

The vision

Safe food for consumers everywhere

The mission

Provide continuous improvement in food safety management systems to ensure confidence in the delivery of safe food to consumers worldwide.

GFSI: Global Food Safety Initiative

GFSI objectives

- Reduce food safety risks
- Manage cost in the supply chain
- Develop competencies and capacity building
- Facilitate knowledge exchange and networking

What GFSI does

- Recognition of food safety management schemes to defined requirements in its Guidance Document
- Brings together food safety experts within a global network
- Drives global change through multi-stakeholder projects on strategic issues

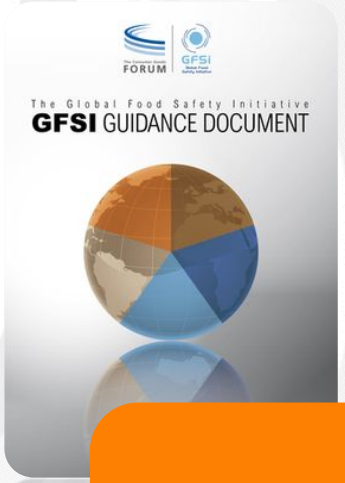
A Global Multi-Stakeholder Platform

Platform for Collaboration

GFSI Tools for Change

Auditor Competence

Benchmarking & Recognition with scopes from farm to fork

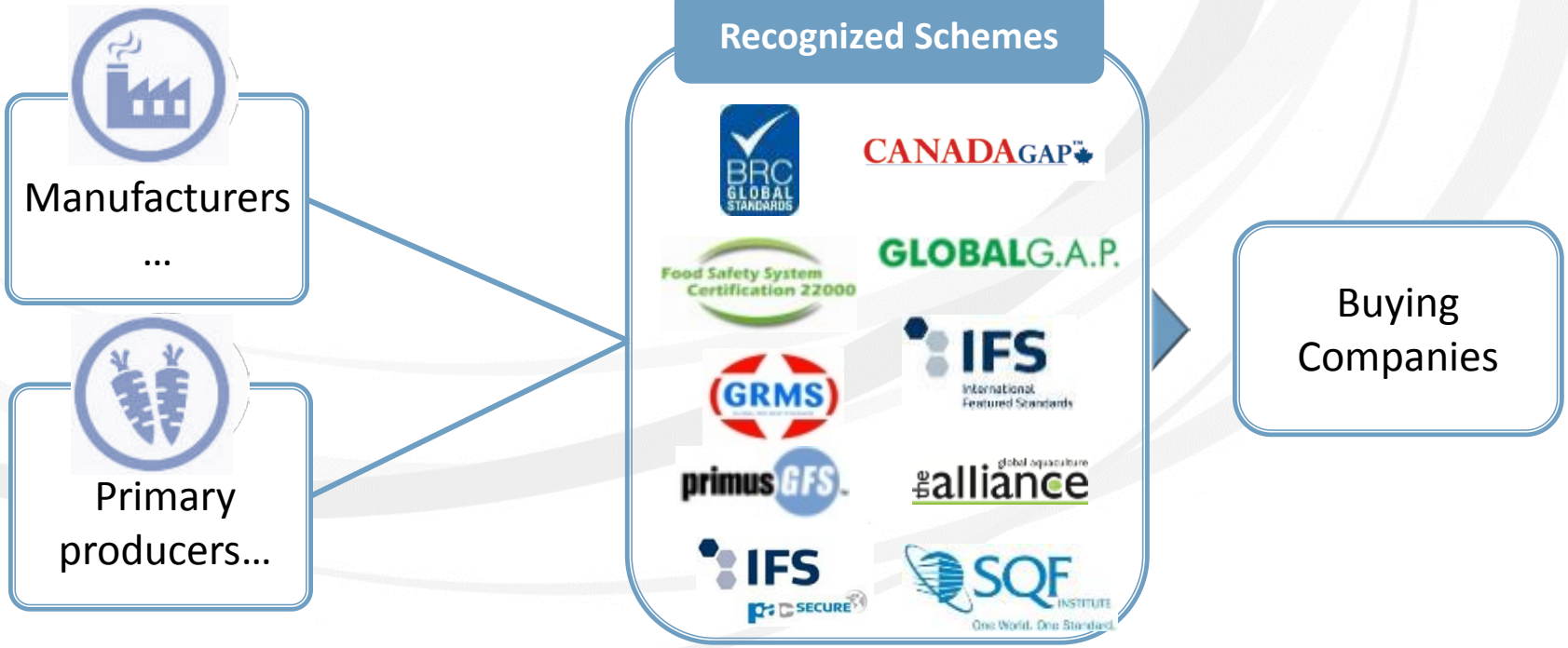


Guidance Document

Global Markets Program

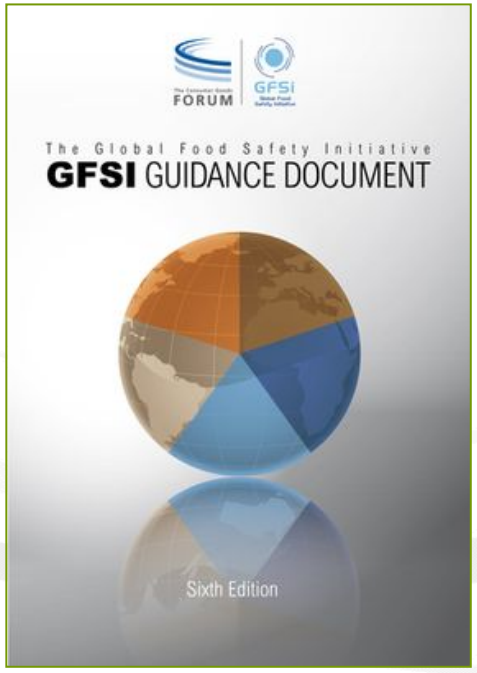
The GFSI Approach

Suppliers → **Certified against any GFSI recognized scheme** → **Certificate accepted by buying companies** → **Shared benefits for industries**



GFSI Guidance Document

Recognition of food safety management schemes to defined requirements in the Guidance Document



- Sets the requirements for food safety management schemes and key elements for the production of food and feed
- Defines the requirements for the effective management and control of conforming schemes
- Puts in place transparent procedures for the GFSI benchmarking process

New GFSI Auditor Competence Model

- Effectiveness of food safety systems relies on a robust audit
- Strengthens credibility of audit against GFSI-recognized schemes

GFSI Auditor Credentialing

Knowledge exam

Skills Assessment

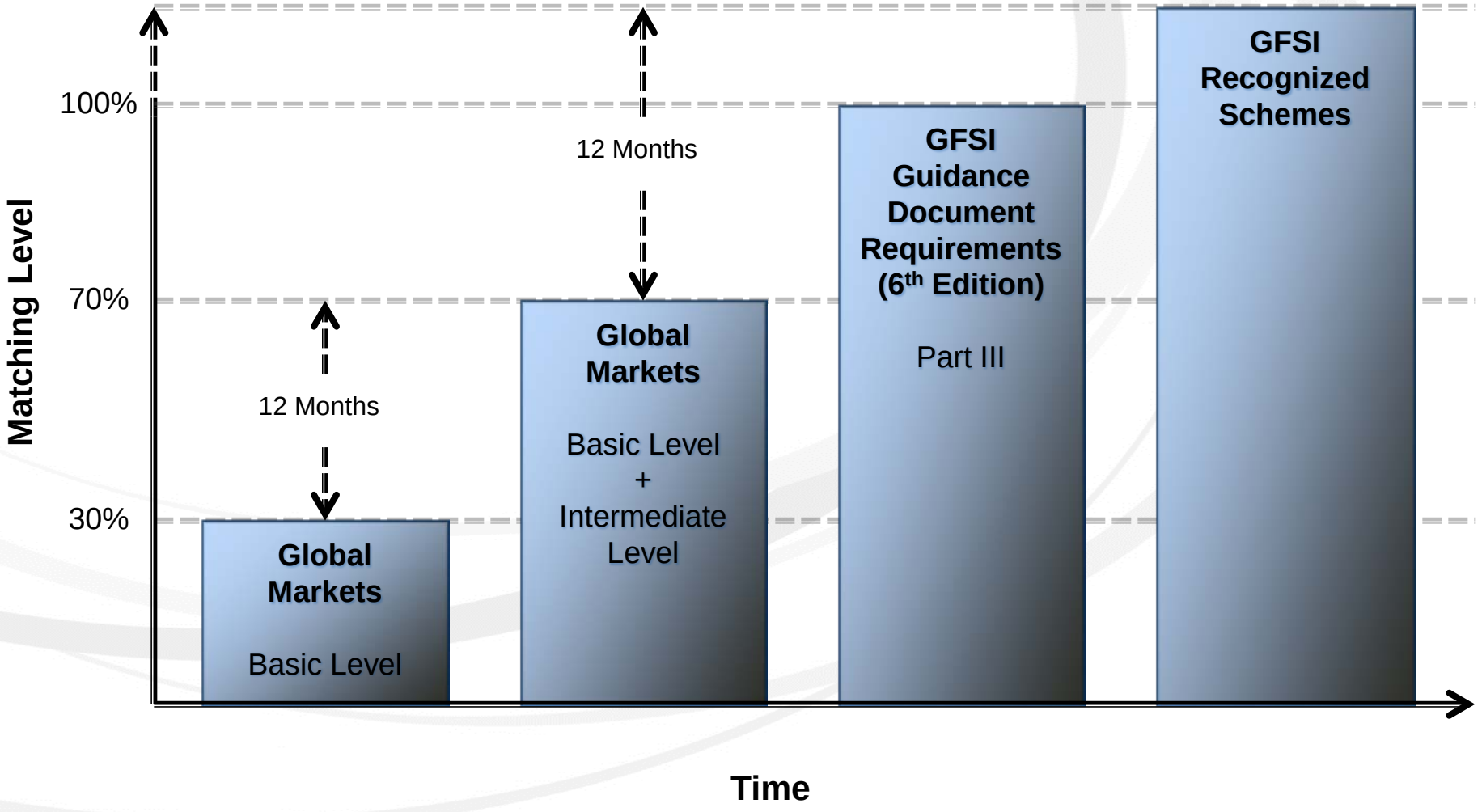
Competency framework
- Manufacturing (published 2014)
- Other scopes in progress

Global Markets Program

Roadmap to Safer Food and Market Access

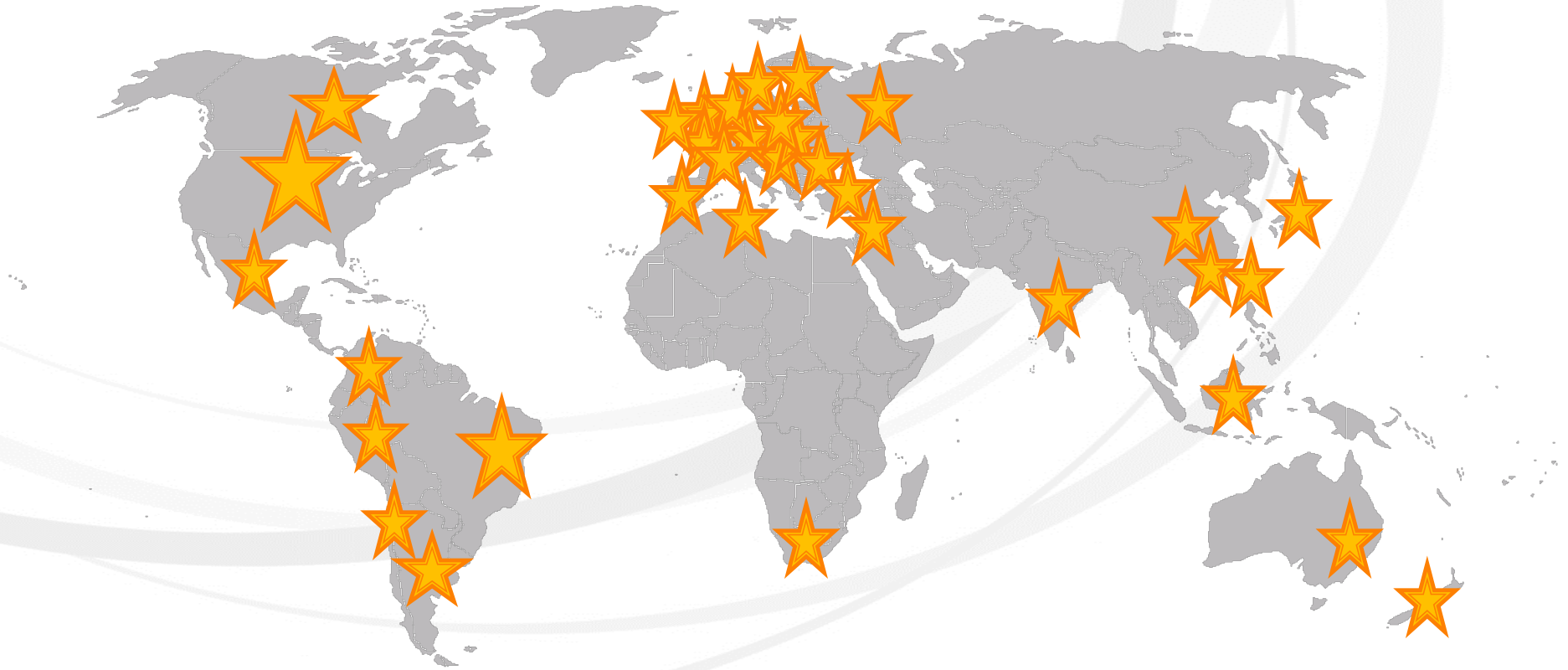
- Voluntary tool for development of supplier food safety management systems
- Targets less developed companies in primary production and manufacturing
- Guidance toward certification against GFSI recognized food safety schemes

Global Markets Program



Global Markets Program

Global Uptake of the Global Markets Programme



Benefits of the GFSI Approach

Supply chain

- Improved product integrity
- Better access to market
- Reduces duplication

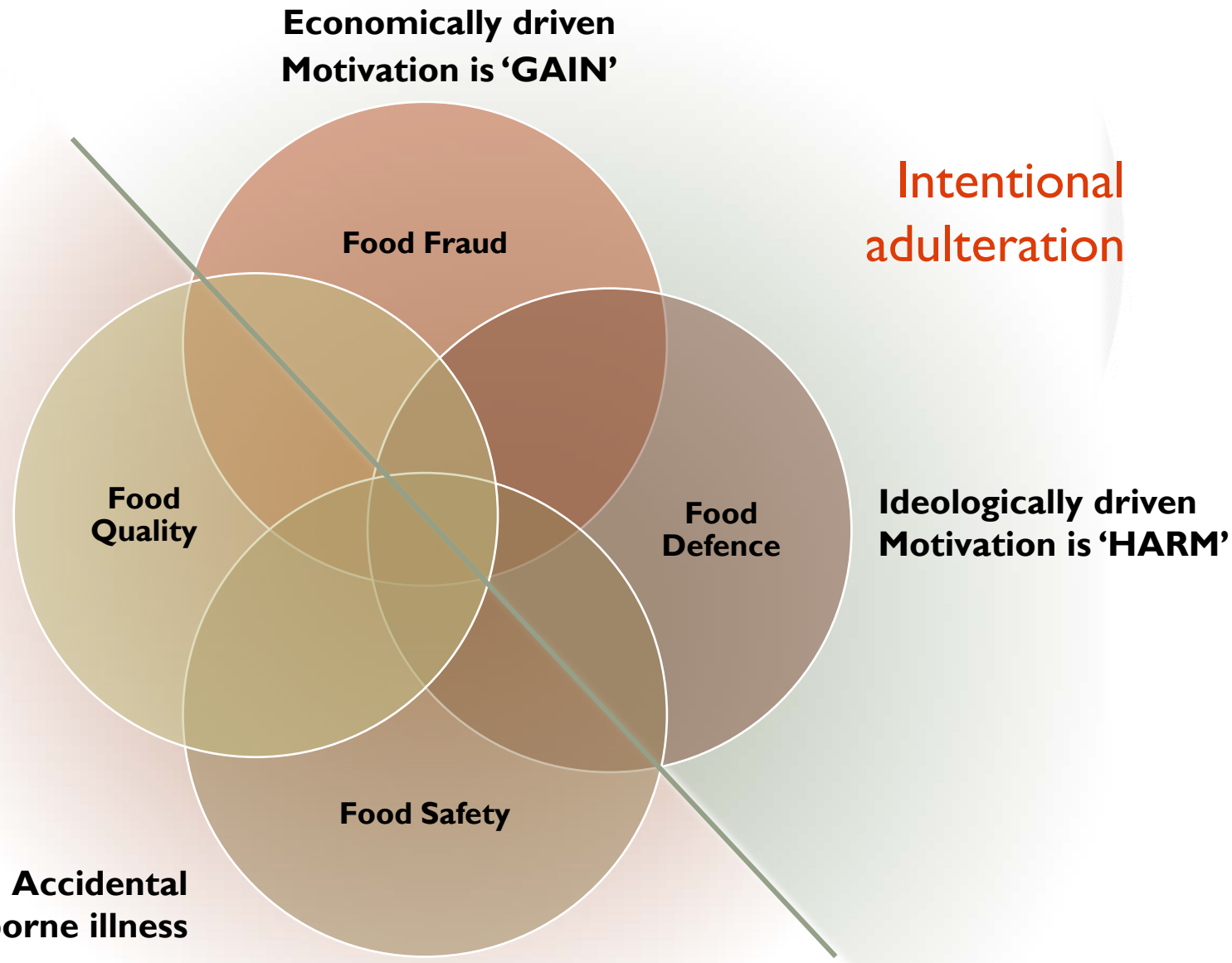
Public Health

- Increased confidence
- Reduced foodborne diseases
- Less product recalls

Food Fraud Mitigation

THE GLOBAL FOOD SAFETY INITIATIVE

Food Fraud in the Context of GFSI



Terminology

- Sunflower oil partially substituted with mineral oil
- Hydrolyzed leather protein in milk

- Watered down products using non-potable / unsafe water
- Olive oil diluted with potentially toxic tea tree oil

- Poultry injected with hormones to conceal disease
- Harmful food colouring applied to fresh fruit to cover defects

- Copies of popular foods - not produced with acceptable safety assurances.

- Expiry, provenance (unsafe origin)
- Toxic Japanese star anise labeled as Chinese star anise
- Mislabeled recycled cooking oil

- Melamine added to enhance protein value
- Use of unauthorized additives (Sudan dyes in spices)

- Sale of excess unreported product

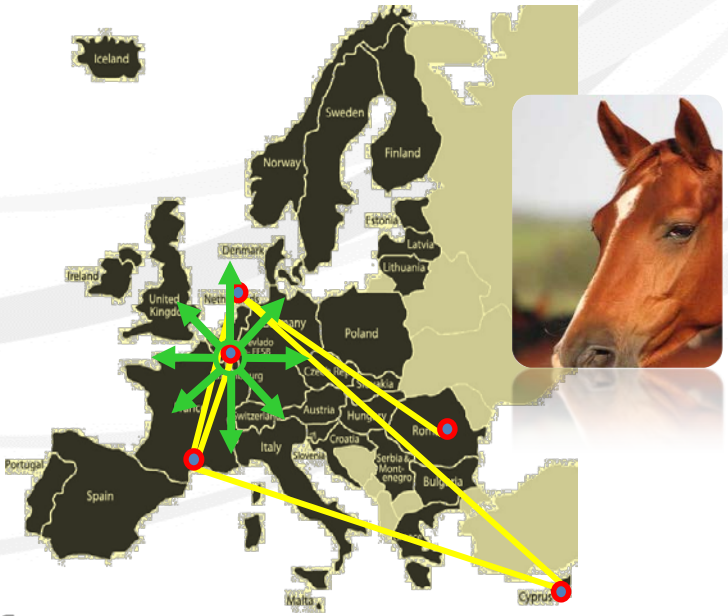
Why is Food Fraud increasing?

complex food supply chains

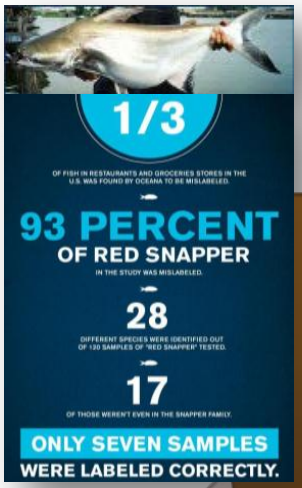
Challenging economic times

Increasing pressure for unscrupulous suppliers to commit food fraud

Food supply is becoming more global



Top Foods & Ingredients for Fraud



Fish

Olive Oil

Milk

Honey

Some Numbers on Food Fraud

Over **2,100** records

Level of fraud est. **10%**

• source: UK FSA

Cost to global food industry est. **$ 30-40 billion**

• source: J. Spink, MSU

Cost of one incident between **2% to 15% of ann. rev.**

• source: GMA

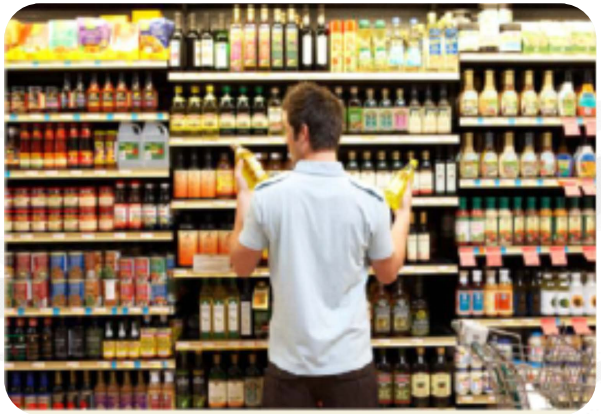
The Impact of Food Fraud

Impact on business

- Consumer trust
- Lost sales
- Crisis management

Impact on consumer

- Most cases of food fraud not harmful
- But there are some notable exceptions



GFSI: FF Mitigation as Integral Part of FSMS

Food Safety	Food Defence	Food Fraud Mitigation
Mitigation of **unintentional adulteration** • Accidental • Science based	Mitigation of **intentional adulteration** • Ideologically motivated	Mitigation of **intentional adulteration** • Economically motivated

Key Elements for FF Mitigation

Clause Name	Requirement
Food Fraud Vulnerability Assessment	The standard shall require that the organisation have a documented food fraud vulnerability assessment procedure in place to identify potential vulnerability and prioritise food fraud mitigation measures.
Food Fraud Mitigation Plan	The standard shall require that the organisation have a documented plan in place that specifies the measures the organisation has implemented to mitigate the public health risks from the identified food fraud vulnerabilities. This plan shall cover the relevant GFSI scope and shall be supported by the organisation's Food Safety Management System.

Integration of Food Fraud Mitigation in FSMS

Incorporation in GFSI Guidance Document Vs. 7 (2016)

Incorporation in Food Safety Management Schemes

primus GFS
SQF
Food Safety System Certification 22000
GLOBALG.A.P.
IFS
the alliance
IFS PACsecure
BRC GLOBAL STANDARDS
CANADAGAP
GRMS

Implementation and execution in companies' FS Management System

Certification via third party audits

LRQA Measure the Difference
eurofins
SGS
SILLIKER Food Safety & Quality Solutions
DNV
Intertek

Food Fraud Vulnerability Assessment Tool

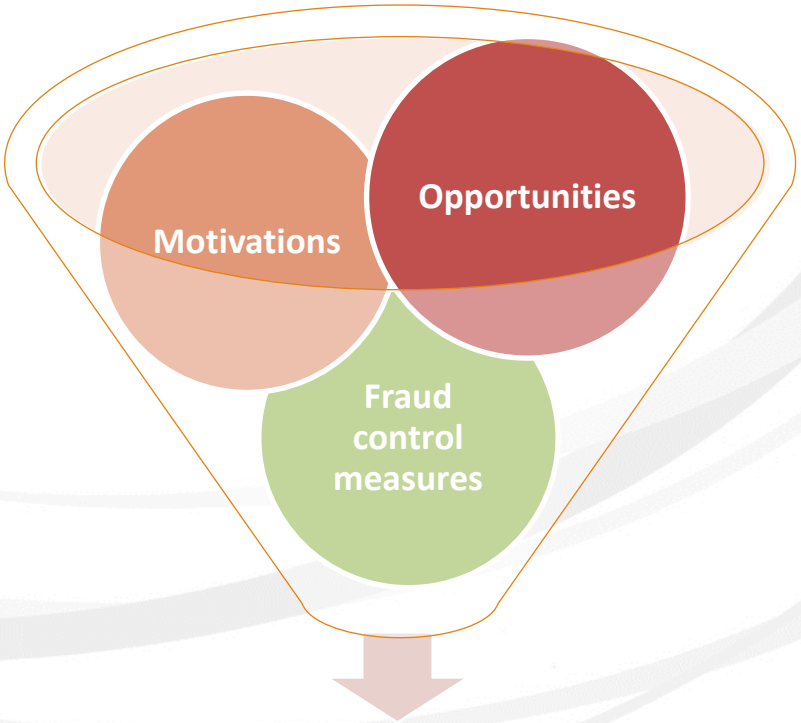
Practical Tool

Help companies undertake a vulnerability assessment

Help companies prepare a plan to mitigate the identified vulnerabilities

Food Fraud Vulnerability Assessment Concept

Fraud in Contemporary Criminology:



Scope of the SSAFE Tool

What the tool does

- Areas of vulnerability
- Links to sources for info gathering
- Basis to establish mitigation actions
- Links to other tools for further assessment where needed
- Platform for structured assessment on a regular basis
- Report that forms part of the FSMS

What the tool does not

- Predict food fraud
- Detailed instructions on how to mitigate specific risks

Scope

- Any food business across the entire food supply chain
- Ingredient, product, brand, site/location, country, etc
- Completed by a multifunctional team

Thank you !