



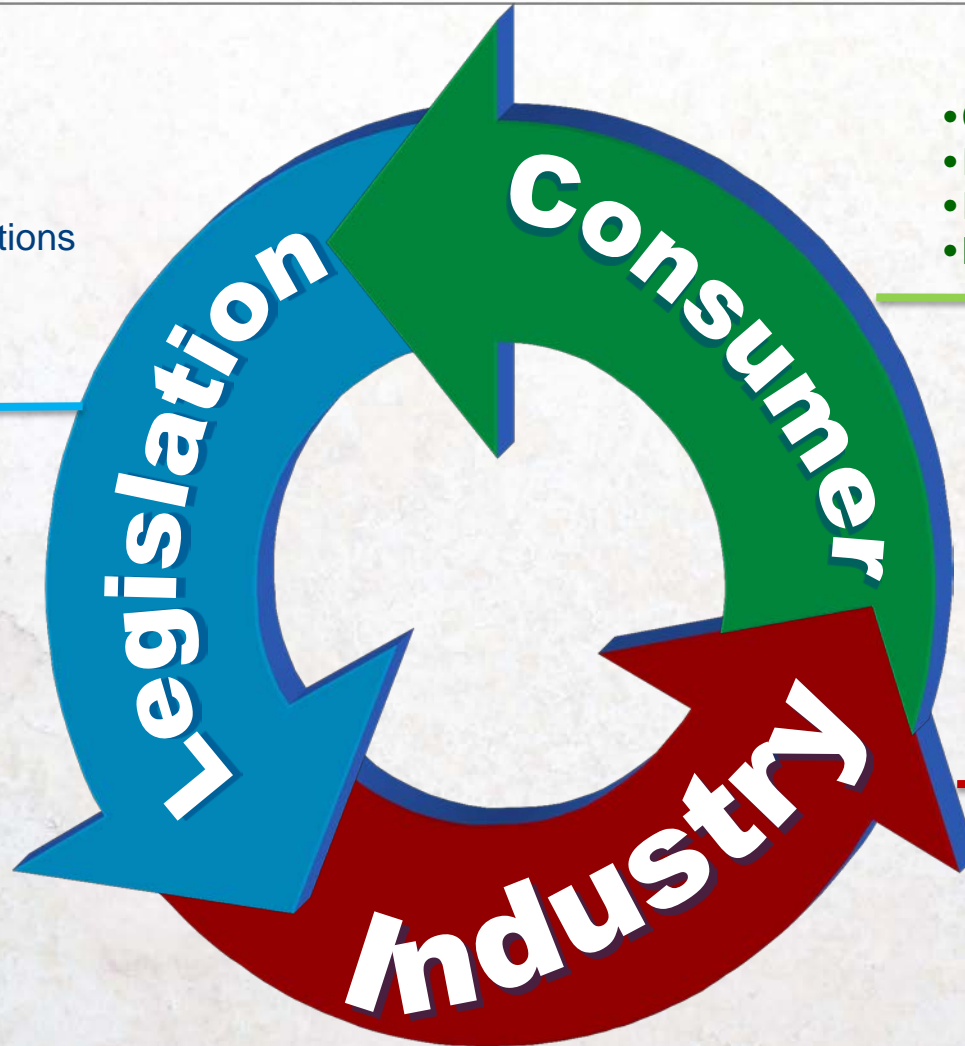
A Comprehensive Approach – Tackling the Unknown

Theresa Almonte
Director Business Development
Intertek Food & Agri Services



Traceability and Food Safety

- Food Law and Safety
- Directives and Regulations
- Harmonization and Standardization
- Quality Assurance



- Consumer protection
- Independent organizations
- Information
- Buying behaviour

- Testing
- Traceability
- HACCP
- Monitoring

Influenced by

Politicians – Governments
Industry - Consumers

Tweeting? Don't forget to include our hashtag: #IFT

Responsibility of Food Business Operators

EC 178/2002 General Principles and Requirements of Food Law

Article 17

Food and feed **business operators at all stages of production, processing and distribution** within the businesses under their control shall **ensure that foods or feeds satisfy the requirements of food law** which are relevant to their activities and shall verify that such requirements are met.

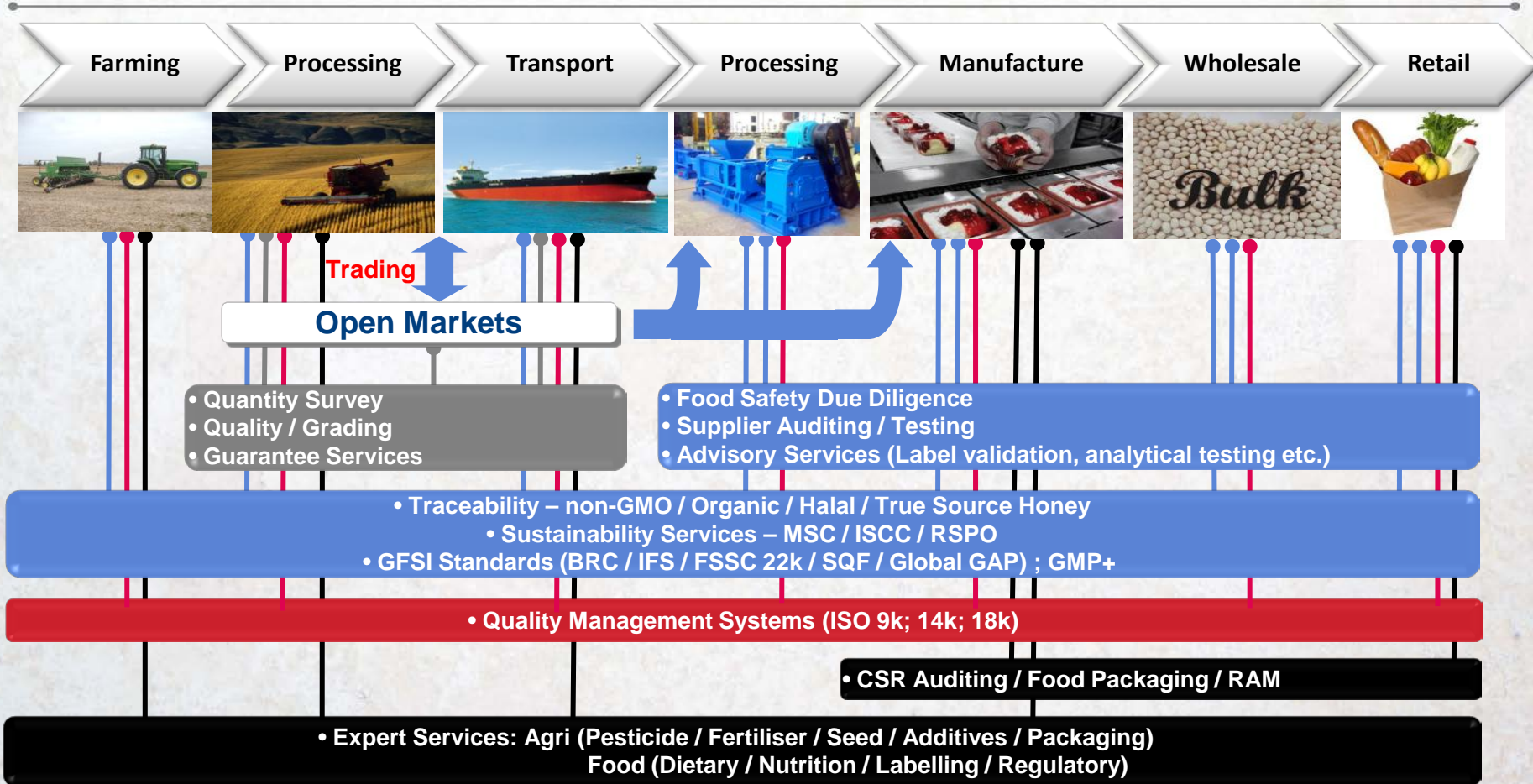
Article 18

The **traceability** of food, feed, food-producing animals, and any other substance intended to be, or expected to be, incorporated into a food or feed shall be established at all stages of production, processing and distribution.

Responsibility of Food Business Operators

- US
 - Bioterrorism Act
 - FSMA Food Defense Plan, Focused Mitigation Strategies to Protect Food Against Intentional Adulteration (comments period extended to June 30, 2014)
- Canada
 - Safe Food For Canadian Acts

Food Services along the Supply Chain



Consumer Awareness on Food Safety

In the past – today – and tomorrow ?

14. April 2004, The Guardian.

- Danger warning after increase in drug residues found in eggs.

04. February 2014, Lifestyle.de.

- The most biggest food scandals: Salmonella and antibiotics



Economic motivated Food Fraud

Production of adulterated organic wine

“Water to Wine:
Millions Litre of
Organic Wine
adulterated”

(Rhein-Zeitung 04.02.2014)



900 L
Organic wine
5,20 € / L
1000L =
5.200€

100 L
water
0,02€ / L
100L = 2,00€

Economic motivated Food Fraud

Production of adulterated organic wine

1000 Litres adulterated wine
(900 L wine + 100 L water)

Profit: 518,00€

(~ 10% of sales)



900 L
Organic wine
5,20 € / L
1000L =
5.200€

100 L
water
0,02€ / L
100L = 2,00€

Economic motivated Food Fraud

FOOD TODAY 12/2013

European Union Action Plan to tackle food fraud

MOTION FOR A EUROPEAN PARLIAMENT
RESOLUTION on the food crisis, fraud in the food chain
and the control thereof (2013/2091(INI))

Top 10 products that are most at risk of food fraud

1. Olive oil
2. Fish
3. Organic foods
4. Milk
5. Grains
6. Honey and maple syrup
7. Coffee and tea
8. Spices (such as saffron and chili powder)
9. Wine
10. Certain fruit juices



Food Safety and Traceability: Influenced by

Who takes the sample?



Authority? Seller? Buyer? Trader?
Independent? Consumer?

Is the sample representative?



Reference? Norm? Experience?
Risk-oriented? Case-related?
Monitoring?

Testing of the sample?



Which laboratory? Internal or external?
Method? Known / Unknown?
Screening? Risk-oriented?

Integrated Food Management Services (IFMS)



Intelligent Crosslinking of existing Services and Data Management

Tweeting? Don't forget to include our hashtag: #IFT

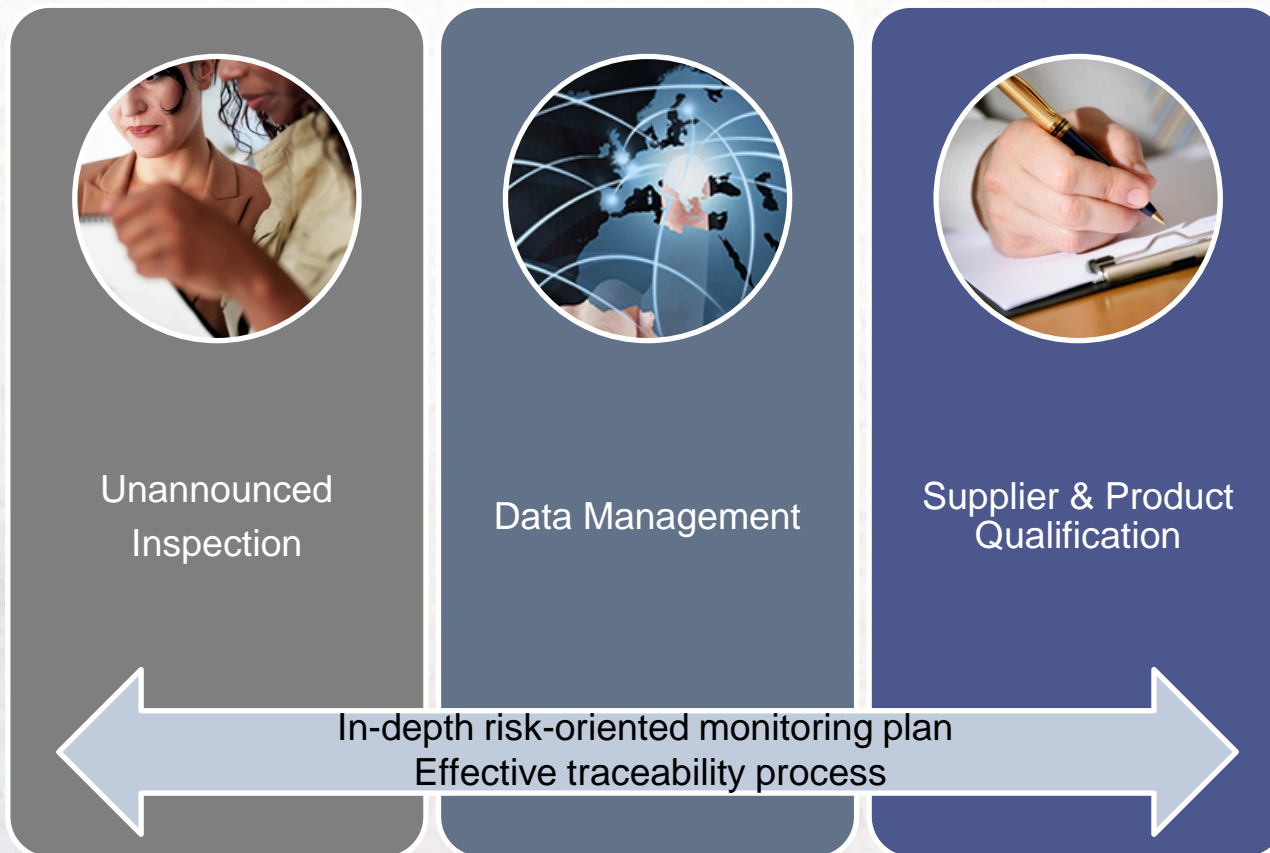
IFMS - Advantages

Satisfaction



Tweeting? Don't forget to include our hashtag: #IFT

What is IFMS ?



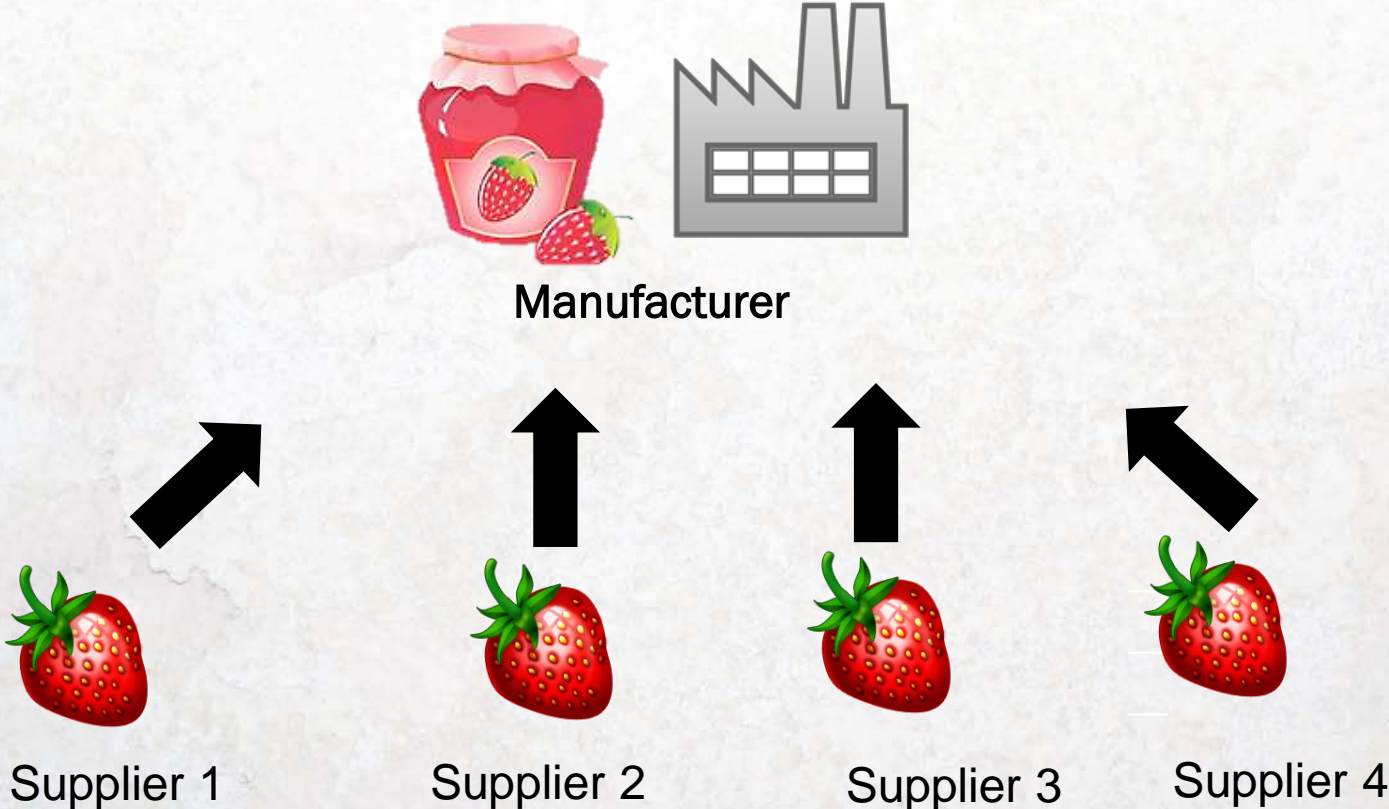
<http://www.intertek.com/food/integrated-food-management-system/>

IFM Services – Main Characteristics



Tweeting? Don't forget to include our hashtag: #IFT

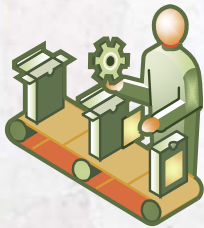
IFMS – Case Study



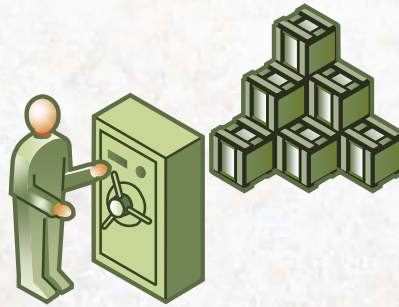
Tweeting? Don't forget to include our hashtag: #IFT

IFMS – Sampling, Storage & Testing

Sampling



Authorised Personnel only!
Packed & Sealed by Intertek



Storage



Testing



Tweeting? Don't forget to include our hashtag: #IFT

IFMS – Alert Notification and Immediate Action

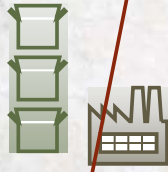


Banned



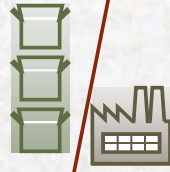
Manufacturer

Banned



**Supplier
1**

Banned



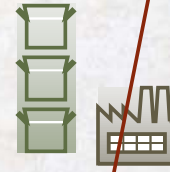
**Supplier
2**

Banned



**Supplier
3**

Banned



**Supplier
4**

Tweeting? Don't forget to include our hashtag: #IFT

IFMS – Supplier & Product Qualification



Intertek

Rapid Response

Testing according
to Notification



Positive Finding
-> Banned !



Supplier
1



Supplier
2



Supplier
3



Supplier
4

Tweeting? Don't forget to include our hashtag: #IFT

IFMS – Data Management


INTEGRATED FOOD MANAGEMENT SERVICES (IFMS)
SAMPLING & STORAGE

Welcome **user1!** [[Log Out](#)]

[Dashboard](#) | [Monitoring Plan](#) | [Random Sampling](#) | [Reports](#) | [Locations](#) | [About](#)

RANDOM CONCEPT FOR UNANNOUNCED AUDIT

RANDOMLY CHOOSE A LOCATION AND A DATE BETWEEN 11.07.2014 AND 15.08.2014



Click to randomly select date and location

Unannounced Inspection and Random Sampling

Random value: **72**
Location: **Deersheim**

Sampling date: **15.07.2014** (Tuesday)

LAST SAMPLES FOR EVERY LOCATION

Show entries
Search:

| Last sampling date ▲ | Location | Total samples | Samples in last 90 days | Total samples in last quartals | | | |
|----------------------|----------------|---------------|-------------------------|--------------------------------|------------------|-------------------|------------------|
| | | | | 1.4 / 30.06.2014 | 1.1 / 30.03.2014 | 1.10 / 30.12.2013 | 1.7 / 30.09.2013 |
| -none- | Bremerhaven | 0 | 0 | 0 | 0 | 0 | 0 |
| -none- | EF Neunkirchen | 0 | 0 | 0 | 0 | 0 | 0 |
| 14.02.2014 | EF Lohne | 7 | 0 | 0 | 3 | 2 | 1 |
| 01.03.2014 | Ovobest | 8 | 0 | 0 | 2 | 2 | 0 |
| 10.03.2014 | DF | 8 | 0 | 0 | 3 | 1 | 2 |
| 18.05.2014 | Landkost | 8 | 0 | 2 | 4 | 0 | 1 |
| 29.05.2014 | Deersheim | 8 | 0 | 2 | 3 | 0 | 1 |

Showing 1 to 7 of 7 entries

First Previous 1 Next Last

Tweeting? Don't forget to include our hashtag: #IFT

IFMS – Data Management

INTEGRATED FOOD MANAGEMENT SERVICES (IFMS)
SAMPLING & STORAGE

Welcome user1! [[Log Out](#)] **Intertek**
DE EN

Dashboard Monitoring Plan Random **Customer ABC** **Supplier 123**
Customer FFG **Supplier 456**
Customer HIK **Supplier 678** [Add a new sample](#)

Show 10 entries Search:

| Sample ID | Date | Location | Description | Type | | |
|-----------|------------|----------------------------|----------------------------|-----------|--------------------------------|----|
| 1 | 15.01.2014 | Deersheim | First sample abcde | NI | | |
| 10 | 01.03.2014 | Ovobest | Egg | VI | | |
| 13 | 15.03.2014 | Intertek Inc. | Intertek supplier | Deersheim | First sample abcde | NI |
| 14 | 10.03.2014 | Intertek Food Service GmbH | This is our local supplier | DF | Hönig 321654 | NI |
| 15 | 01.03.2014 | One Customer | A supplier | Landkost | This is the sample description | VI |
| 17 | 10.11.2013 | Deutsche Frühstücksei GmbH | Ovobest | Ovobest | Egg | VI |

Sample
sealed &
stored

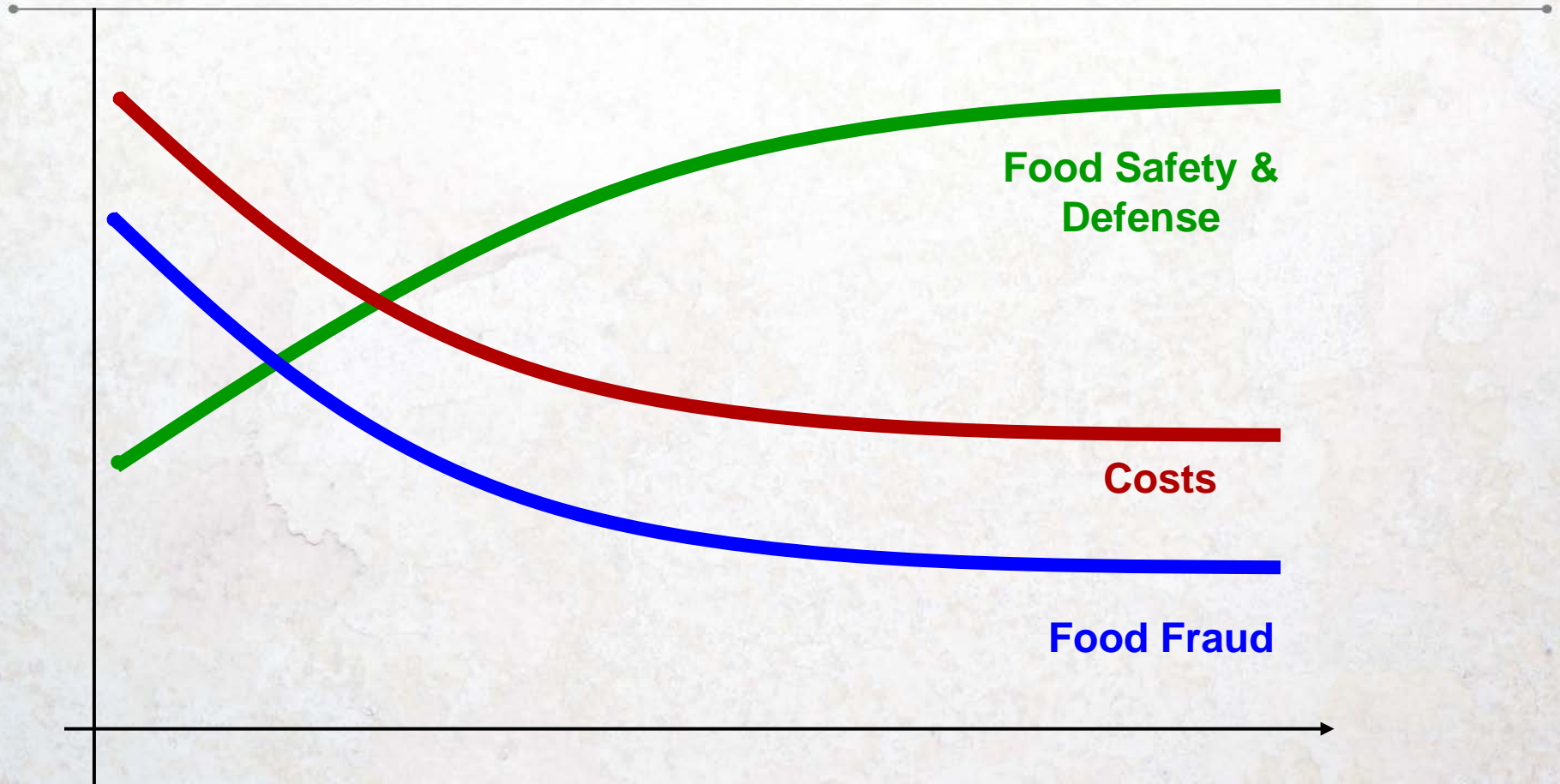
Track with
sample ID

Sample
status
reports

Qualified
supplier
and/or
product

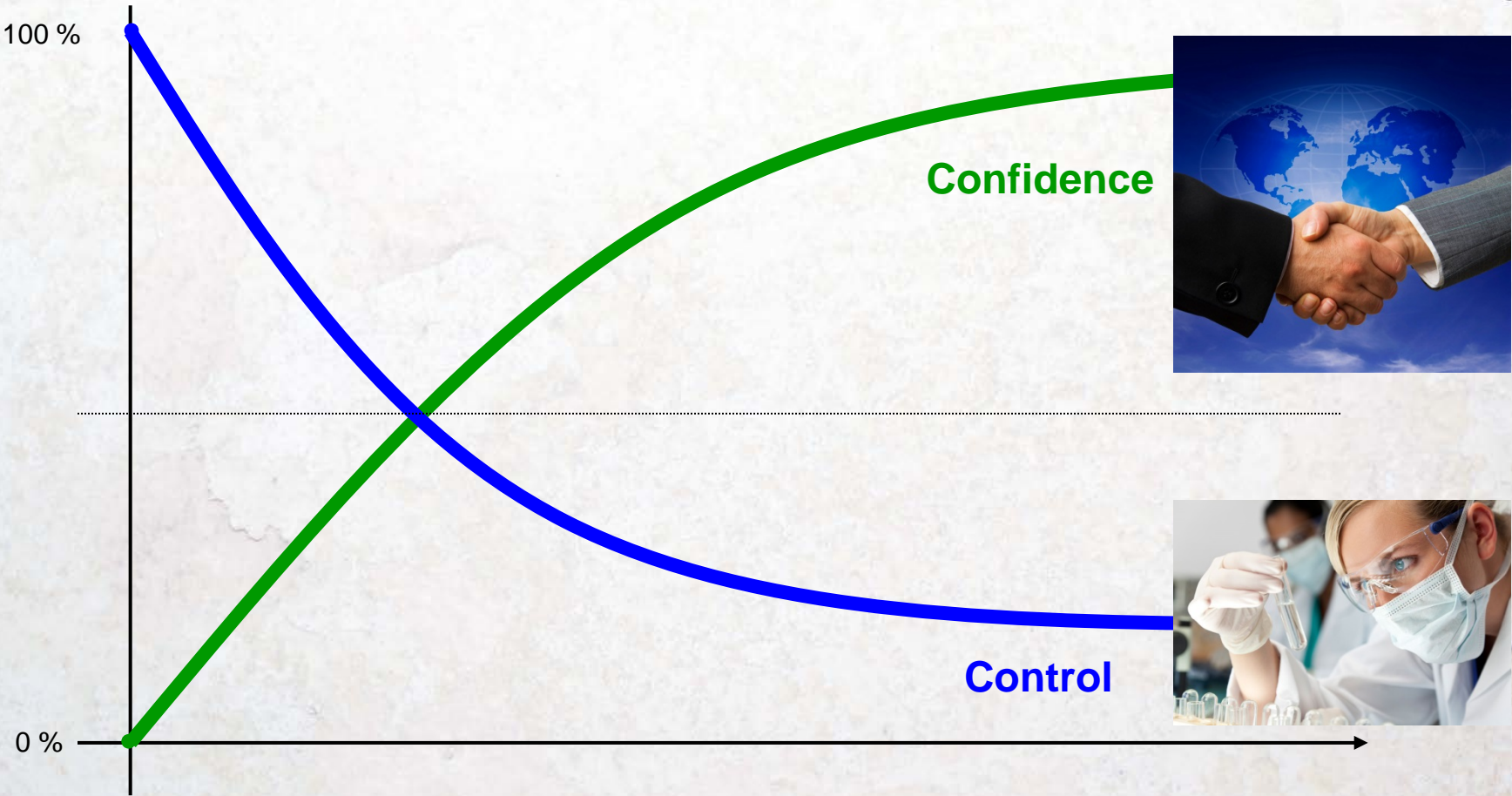
Tweeting? Don't forget to include our hashtag: #IFT

IFMS – Benefit & Cost Analysis



Tweeting? Don't forget to include our hashtag: #IFT

Confidence versus Control !



Tweeting? Don't forget to include our hashtag: #IFT

Safe Food and Fair Trade



**Thank You
for Your
Attention!**

Reliable Services for Safe Food.

Tweeting? Don't forget to include our hashtag: #IFT



IFT[®] 14
ANNUAL MEETING + FOOD EXPO[®]