

Workshop on Risk Assessment

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PFNDAI

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Two Acts –

What is the ‘Change’ ?

Prevention of Food Adulteration Act, 1954

Food Safety & Standards Act 2006

Character Shift - Science the Basis

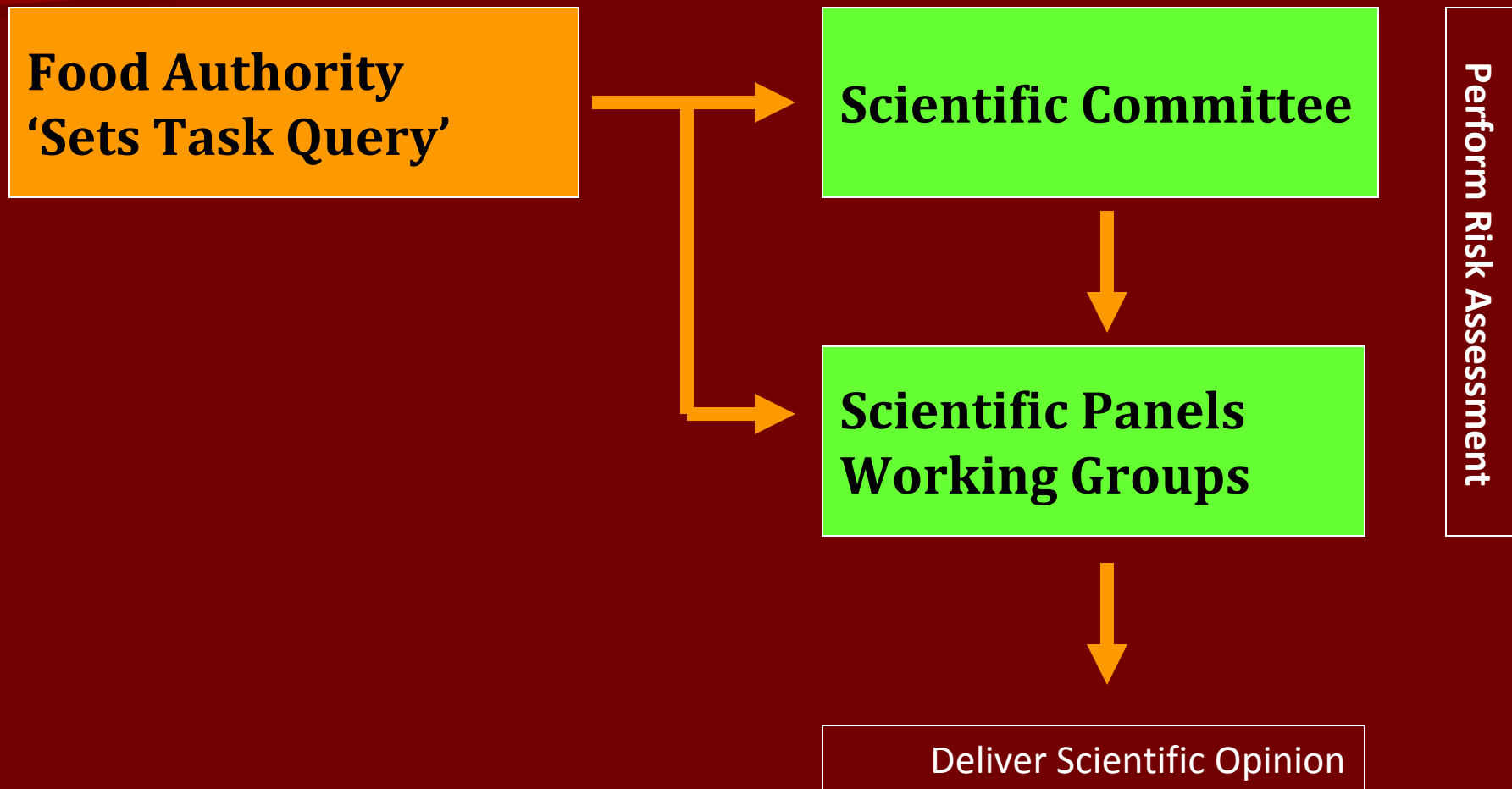
Adulteration

- PFA
- Enforcement Act
- Membership to:
 - Sub Committee
 - CCFS
 - Expert Group
- Representation: Interests

Safety

- FSSA
- Safety Act
- Appointed to:
 - Scientific Committee
 - Scientific Panels
 - Working Groups
- Representation: Scientific Expertise

Character Shift – Risk Assessment



Risk Assessment – Why is it required ?

- ❑ The Act says so
 - ❑ carry out risk management which
 - ❑ shall include results of risk assessment and
- ❑ Determine food standards on the basis of risk analysis
- ❑ Undertake risk assessment in an independent, objective and transparent manner

Definitions of Risk Analysis Terms

- ❑ **Risk Analysis:** A process of three components:
 - ❑ risk assessment
 - ❑ risk management and
 - ❑ risk communication
- ❑ **Risk Assessment:** consisting of the following steps:
 - ❑ hazard identification
 - ❑ hazard characterization
 - ❑ exposure assessment, and
 - ❑ risk characterization

Risk Assessment should . . .

- **Use all available scientific data.**
- **Use quantitative information to extent possible.**
- **Take into account qualitative information.**
- **Take into account relevant factors regarding**
 - **production, storage, handling thro' supply chain**
 - **methods of sampling, analysis, inspection etc**

Risk Assessment should . . .

- **Conveyed in easily understandable form**
 - **Must be robust**
- **Made available to all interested parties**
 - **So that it is open to challenge**
- **Record uncertainties**
- **Record minority opinions**
- **Record impact analysis if tasked**

Resources for Risk Assessment

■ International Evaluations

- FAO/WHO Expert Committees
- JECFA and JMPR

■ National Studies :

- Governments, Institutions, Universities
 - Hazard Identification
 - Risk Characterization
 - Exposure Assessment

Risk Management

- ❑ **Process, distinct from risk assessment**
- ❑ **Weighs policy alternatives, with all interested parties**
- ❑ **Considers risk assessment and other factors relevant**
 - ❑ for the health protection of consumers and
 - ❑ for promotion of fair trade practices, and, if needed,
- ❑ **Selects appropriate prevention and control options**

Risk Communication

Release of information during the risk analysis process

- to all interested parties
- including explanation of risk assessment findings and
- the basis of risk management decisions

Public information on matters regarding

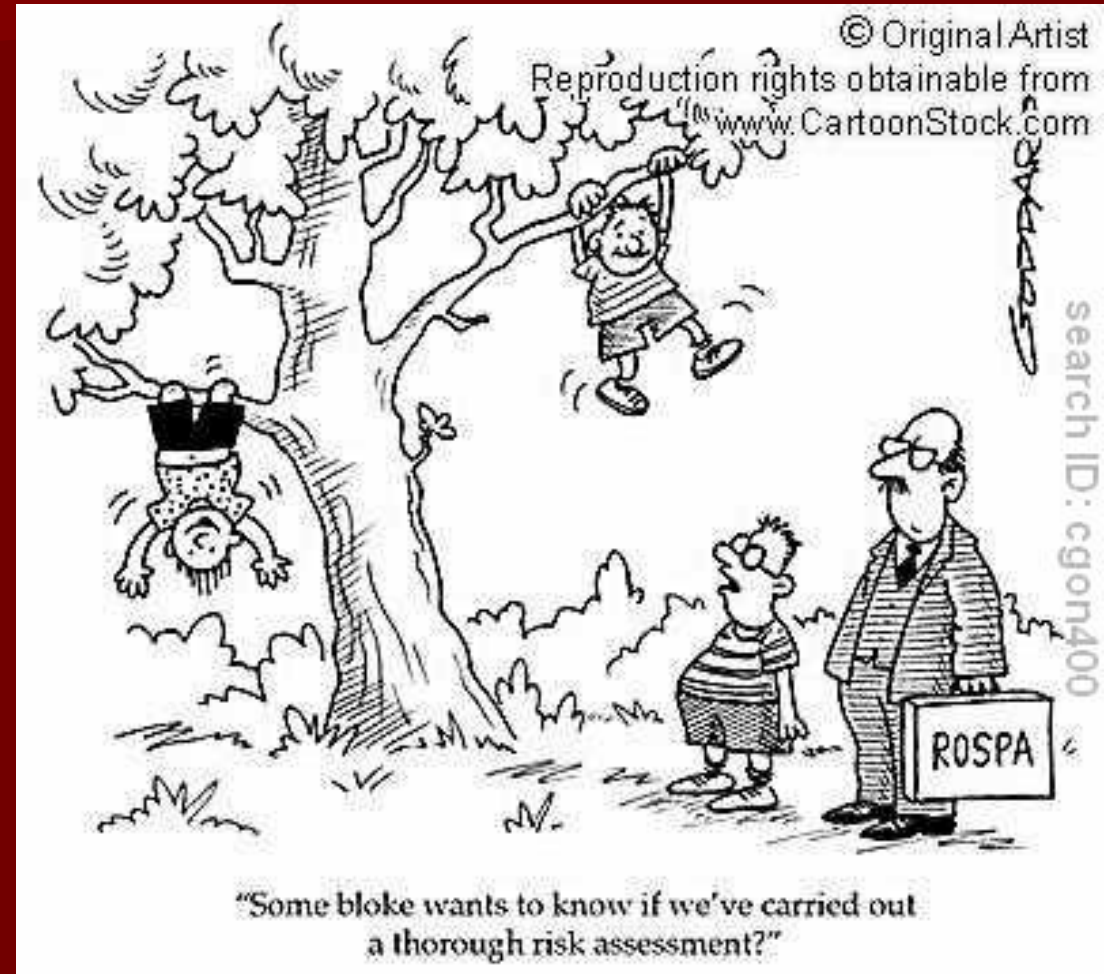
- Health & Safety
- Alerts - outbreaks
- Recalls

Benefits of Risk Analysis

- ❑ **Use RA to design regulation**
- ❑ **Farm-to-table approach**
 - ❑ **From Supply Chain to “ Safety Chain”**
- ❑ **Food Safety Management Systems**
 - ❑ **HACCP – controlling pathogens**
 - ❑ **Food Recall – predetermining ‘ safety breach’**
- ❑ **Stringent standards for food safety hazards**

Objective of this Workshop

- ❑ Focus on Risk Assessment
- ❑ Building capability in
 - ❑ Rulemaking
 - ❑ Food Safety Systems
 - ❑ Enforcement



Thank You