



# Changing Regulatory Environment in India

## Emerging foods for Healthier India

Golden Jubilee Seminar

Protein Foods and Nutrition Development Association of India

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# FOOD LAW FRAMEWORKS

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Change for the better

## Traditional Food Safety System

### ❖ **Reactive Approach** PFA - 1954

- ❖ Responsibility - Government
- ❖ Opinionated
- ❖ No structured analysis
- ❖ End point inspection

## Modern Food Safety System

### ❖ **Preventive Approach** FSSA - 2006

- ❖ Shared Responsibility
- ❖ Science based
- ❖ Structured analysis
- ❖ Whole chain - process control

# Fundamentals of the change . . . .

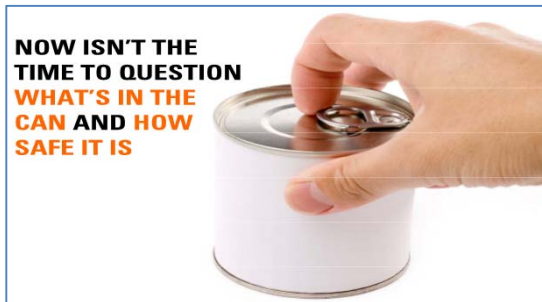
<b>Trait</b>	<b>Adulteration</b>	<b>Food Risk</b>
Way of thinking	Prosecution	Public safety and health
Way of work	Standards setting	Process setting (FSMS)
Way of behaviour	Enforcement - failure	Enablement - risk reduction
Way of measure	Outputs	Outcomes



# TRADITIONAL FOOD SAFETY

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Characteristics of the reactive approach



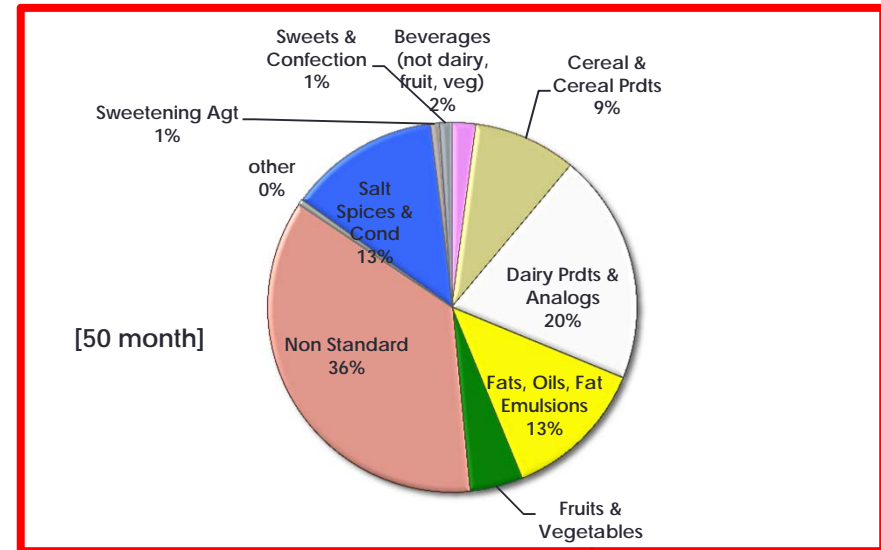
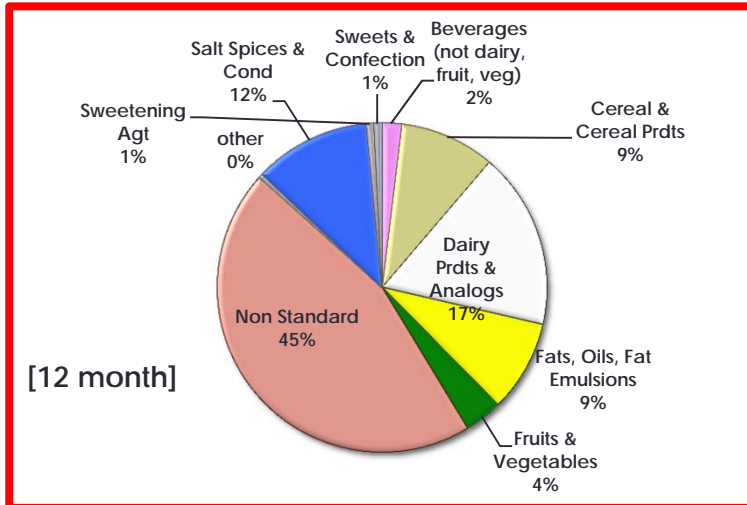
## Prosecution - Output

Activity (14-15)	Number (%)
Analyzed*	60548
Failures**	12077 (20)*
Prosecuted	9230 (15)*
Convictions	1355 (2)*(15)**
Penalties (Rs)	10,64,03,414***

@ Total samples taken: 68197  
 \*\*\* 2 States account for 72% penalties levied

# Enforcement - Standards

- ✧ Routine pattern
- ✧ Product - not safety



- ✧ Repeating offences
- ✧ Regulatory Impact ?



# FOOD SAFETY AND STANDARDS ACT

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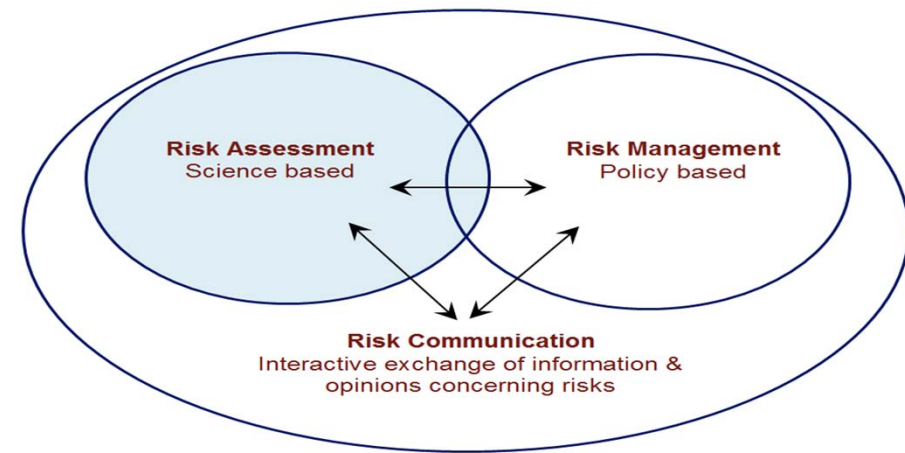
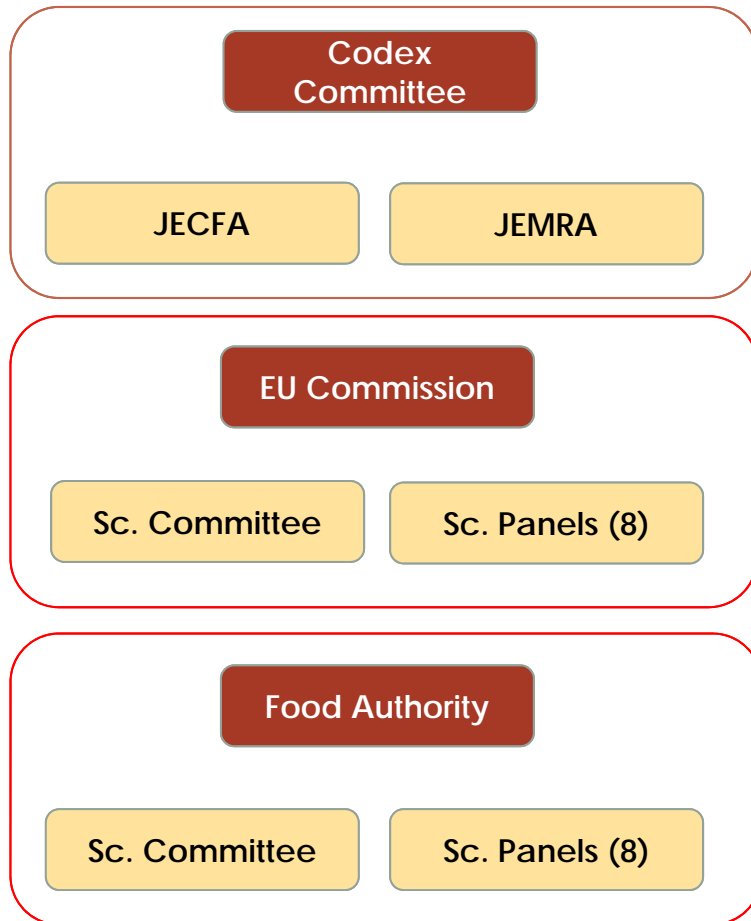
Characteristics of a Preventive Approach



# Science based food law

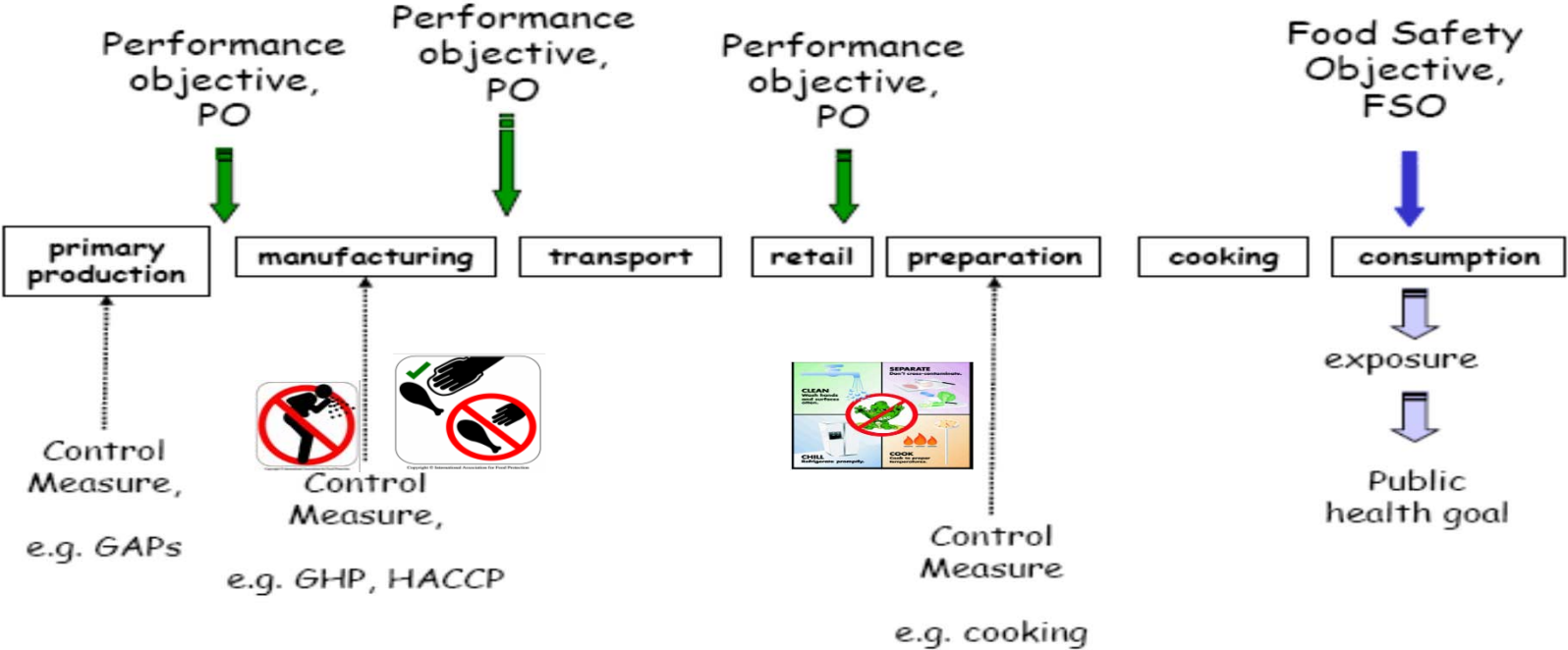
- Structure and function -
    - Scientific Panels/Committee - Risk assessment
    - Food Authority - Risk Management
  - Law embedded in method -
    - Rulemaking (18.2)
    - Consumption data (16.3)
  - Management System
    - Enablement (educate - enforce)
    - Self Control (HACCP)
    - Predict & Prevent (Process)
- Expertise
- Procedure
- Evidence

# Structure and Function

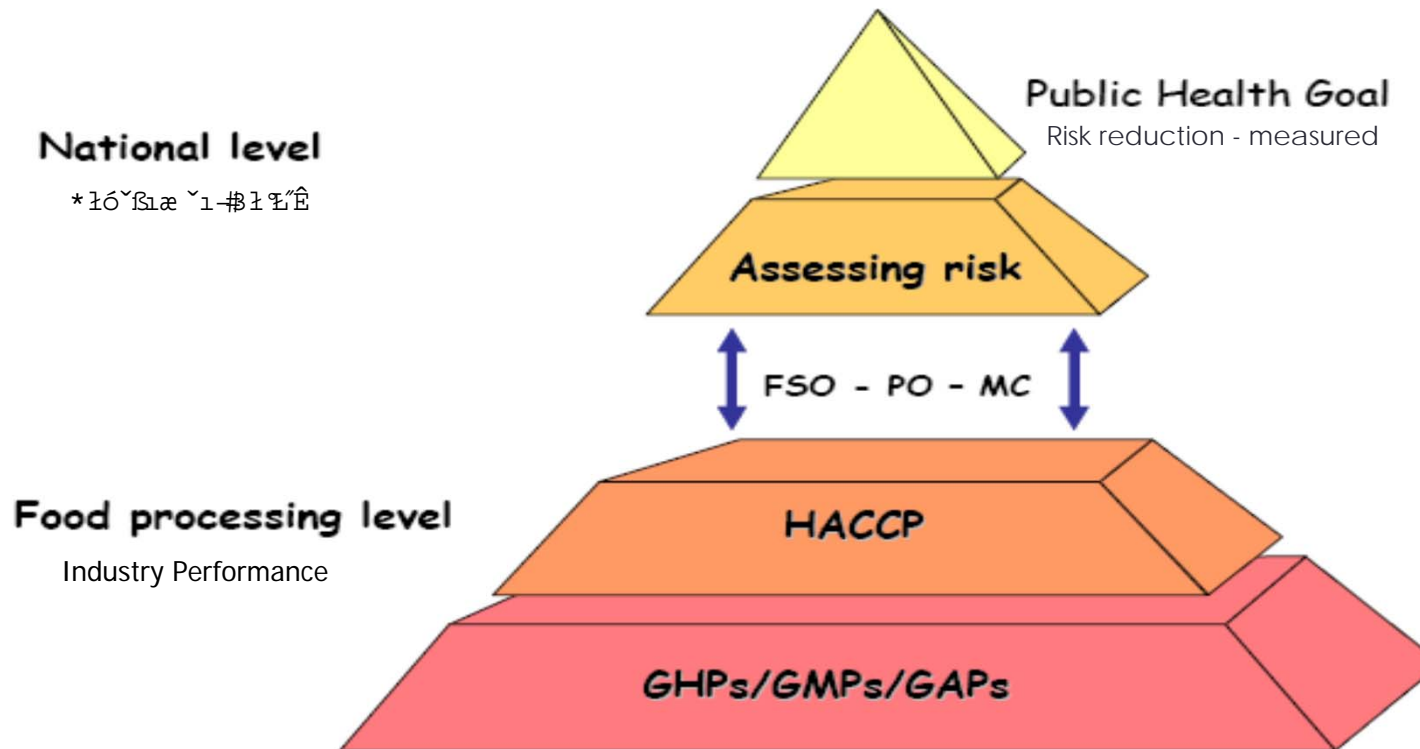


- **Separation of Expertise**
  - Science (risk assessment)
  - Rulemaking (risk management)
- **Procedures underpin decision making**

# Whole Process - food chain



# Public safety & health



# Food Safety Objective :

is the regulation meeting its objective

Country	Food Safety Objective	Public Health Goal
UK	Reduce salt to 6g/day - (~ 9g)	14% stomach cancers preventable
US	Reduction trans 5.8 < 1-2g/day	Could prevent 20,000 heart attacks
NZ	Campylobacter	50% (160 to 80 per 100000)

# Is change happening 2006 - 2018

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## Rulemaking: take into account - before

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18.2 Risk assessment  
16.3 Antibiotic residues, HFSS

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## Consumer: Level of protection

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18.2 Impact of regulation  
16.3 Benefits - measured?

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## Rulemaking: Transparency

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18.2 Consult stakeholders  
Publish Sc. Opinion,

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## Enforcement: System of Control

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29.3 Food risks, surveillance, monitor  
34. Lead: health risk exists

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# REFORM OR RELIEF

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Reform is about replacing ineffective systems

Relief is finding reasons for its continuance

Thank you