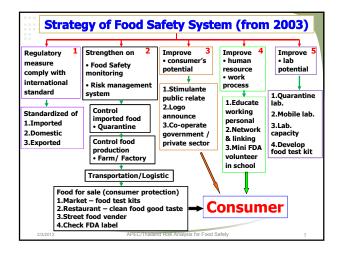


FOOD SAFETY IN THAILAND



- Since 2003, Food Safety Policy and implementation have been campaigned in Thailand
- Food Safety strategies and road map covering the food chain were developed
- ► In 2008, Law to establish National Committee on Food was issued

73/2012 APEC/Thailand Risk Analysis for Food Safety



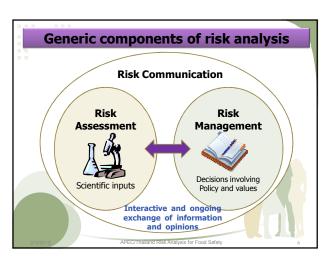
In 2008, Law to establish National Committee on Food has been issued. (National Committee on Food Act 2551)

To coordinate the activities:

1.Food quality
2.Food safety
3.Food security
4.Food education

Chair by the prime minister Food safety based on risk analysis





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Benefits for national governments of using food safety risk analysis

- ☑ Risk Analysis allows likely costs of implementation and compliance to be compared with expected benefits.
- ☑ Supports setting research priorities of food safety problems.
- ☑ Supports food safety regulators for effective decision-making for food safety management

2/3/2012 APEC/Thailand Risk Analysis for Food Safet

	F000		risk assess nailand	sment
Year	Host	Risk	Hazard	Commodity
2003	ACFS	Chemical risk Assessment	3- MCPD	Seasoning sauce
2003	ACFS	Chemical risk Assessment	sulfure dioxide	Food
2003	ACFS	Chemical risk Assessment	ochratoxin	Food
2003	ACFS	Chemical risk Assessment	cadmium	Food
2007	Thai FDA	Chemical risk Assessment	acrylamide	Food
2011	Thai FDA	exposure Assessment	Sodium benzoate	Ready to eat food packed in plastic bag

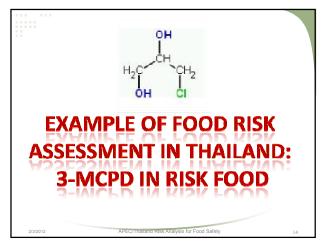






Role	
Risk manager, Risk communicator	
Risk manager, Risk communicator	
Risk assessor, Risk communicator	
Risk assessor, Risk communicator	
Risk assessor, Risk communicator	
Risk assessor, Risk communicator	
Risk communicator	
od and Drug Administration, ACFS = National modity and Food Standards, DMSc = ences, FSOC = Food Safety Operation Center	

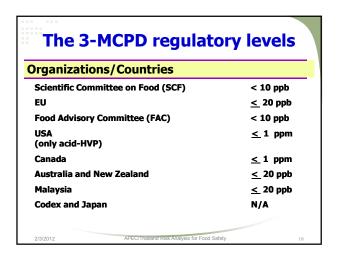




Toxicity of 3-MCPD

 A long-term study indicates that Carcinogenicity of rat's kidney relates to the quantity of exposure to 3-MCPD. However, 3-MCPD is not a genotoxic substance.

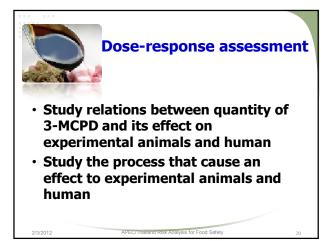
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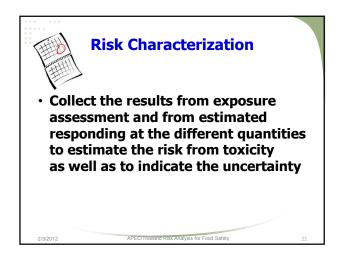


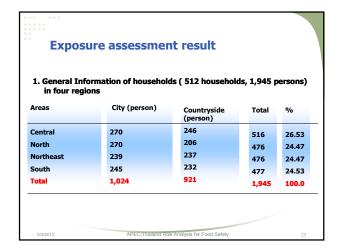


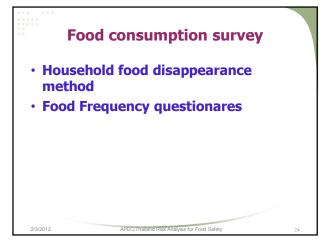




Exposure Assessment
 Conduct a survey of food consumption data
 Conduct a survey of contamination of 3-MCPD in food
 Estimate the amount of 3-MCPD that can be exposed by human









• Exposure Assessment

Thai people expose to 3-MCPD from food consumed everyday at 0.036 $\mu g/kg\ bw/day\ in\ average$

Risk Characterization

The exposure amount equals to 1.8% of PMTDI assigned by JECFA (2 μ g/kg bw/day)

2/3/201

APEC/Thailand Risk Analysis for Food Safety

