Food Safety Risk Analysis and Risk Assessment



- 'Stable to Table'

- 'Field to Plate'

- 'Farm to Fork'

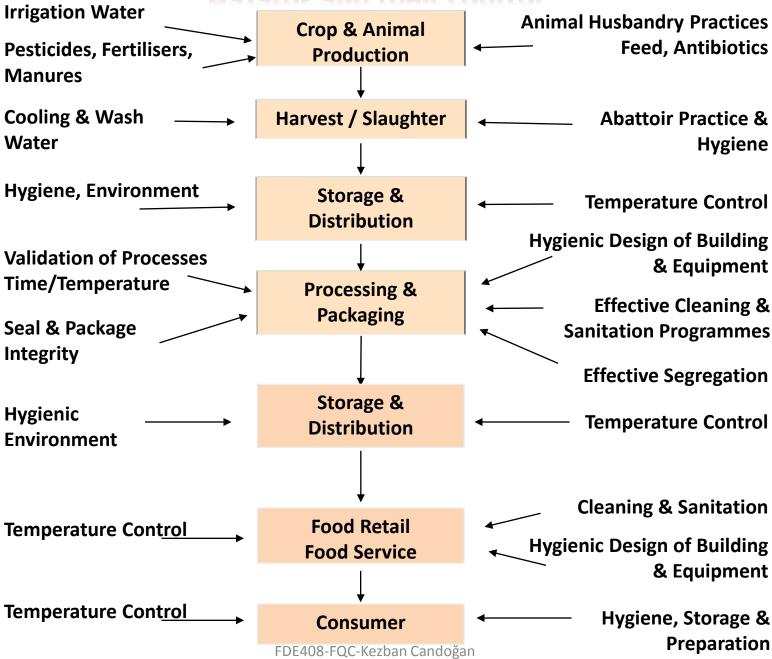
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HAZARD: Biological, chemical or physical agent, capable of causing harm

RISK: Probability of harm combined with seriousness of outcome

Hazards and their control



Is there any risk?



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Risk analysis is defined for the purposes of the Codex Alimentarus Commission as;

 "A process consisting of three components: risk management, risk assessment and risk communication" (WHO, 2010)



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- ✓ General public concern
- ✓ Absence of systematic framework in international trade
- Risk assessment principles in national legislation and new legislative conditions
- ✓ Trade agreements

Risk analysis

- A structured approach to assessing food safety risks
- Provides national food safety authorities with a systematic and disciplined approach for making evidence-based food safety decisions



✓ It is used to

- develop an estimate of the risks to human health
- ✓ to identify and implement appropriate measures to control the risks
- ✓ to communicate with stakeholders about the risks and measures applied

Food safety risk analysis

 Supports international food safety harmonization and thereby trade

 Provides a scientific evaluation of where in the food chain to take the most effective control steps