

# Importance of Risk Analysis as a Foundation for Robust Food Regulatory Decision-Making

1<sup>ST</sup> GLOBAL FOOD REGULATORY SCIENCE SYMPOSIUM  
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MOROCCO



# Objectives of this talk

- ❑ Importance of Risk Analysis Process;
- ❑ Application in improving the establishment of food regulatory systems in food safety;
- ❑ Moroccan experience in the implementation of this tool in food safety system.



1. Food safety Risk Analysis
  - Why is it important?
  - Logical steps
  - Application of risk assessment, risk management and risk communication in food safety system
2. How it can be applied to improve the regulatory system?
3. Tools made in place to improve Risk analysis in Moroccan food safety system



# Why is it important to implement risk analysis?

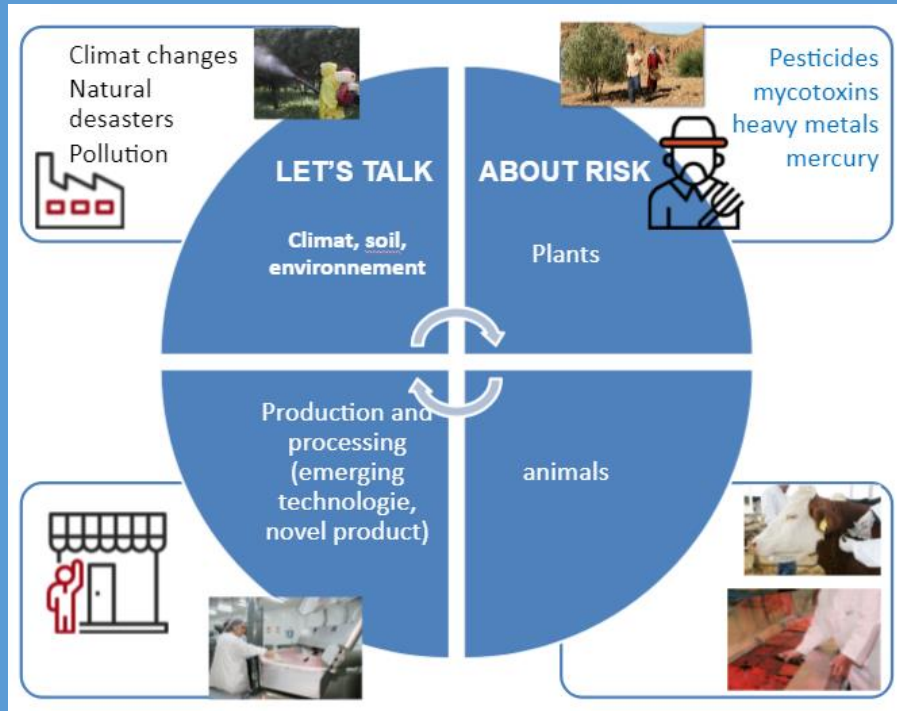
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- Changes in our food production and supply, including more imported foods.
- Globalization of food trade which can bring new challenges and risks to food control
- a single source of contamination may become widespread, with global consequences for all the countries concerned.
- Changes in consumer preferences and habits and in food production and processing, and emergence of new technologies like genetic engineering and nanotechnology,
- changing animal food production and animal husbandry practices,

# Why is it important to implement risk analysis?

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Let's talk about  
hazards/risks/crisis



# Why is it important to implement risk analysis?

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*Bovine spongiform  
encephalopathy  
(BSE) 1986*

**Dioxin chicken crisis**  
1999

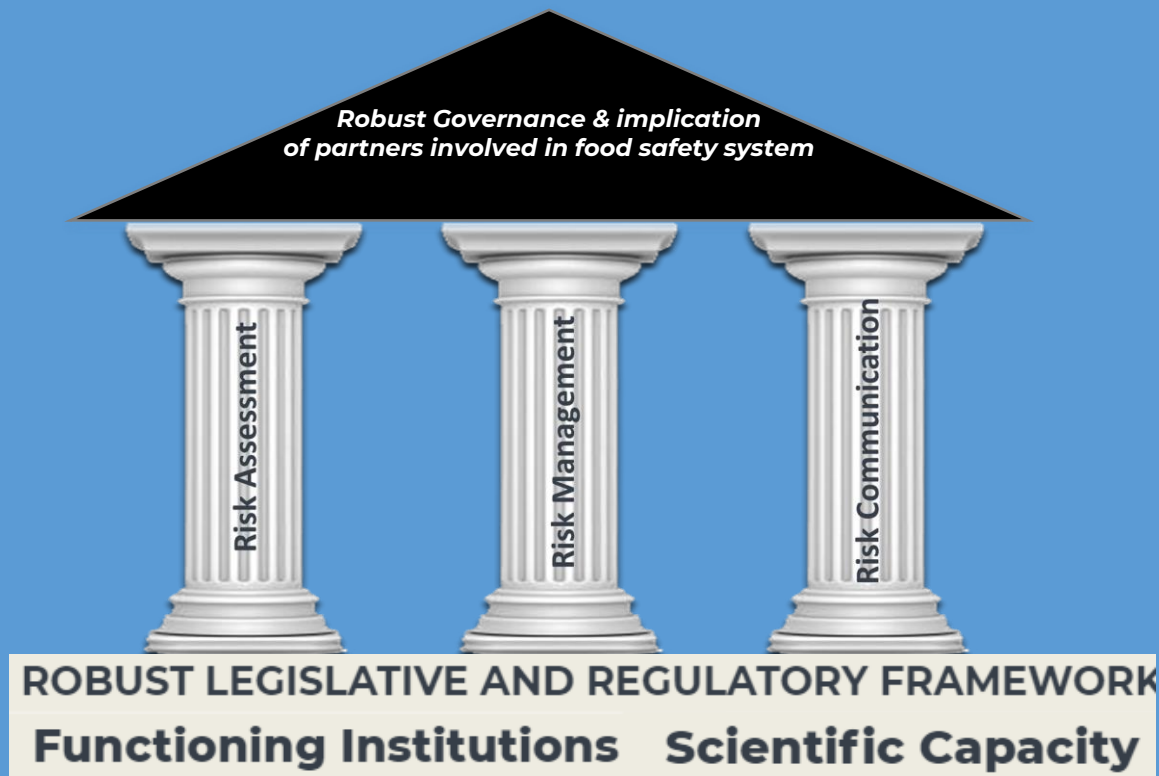
*Melamine in foodstuffs*  
2007



- **Do we know the issue? Is the source known?**
- **Do we have enough information to get a clear idea of the situation?**
- **Are the measures effective?**
- **Do we have the right approach for the situation in question?**
- **Is our assessment correct?**
- **Do we have adequate measures and sufficient capacity?**

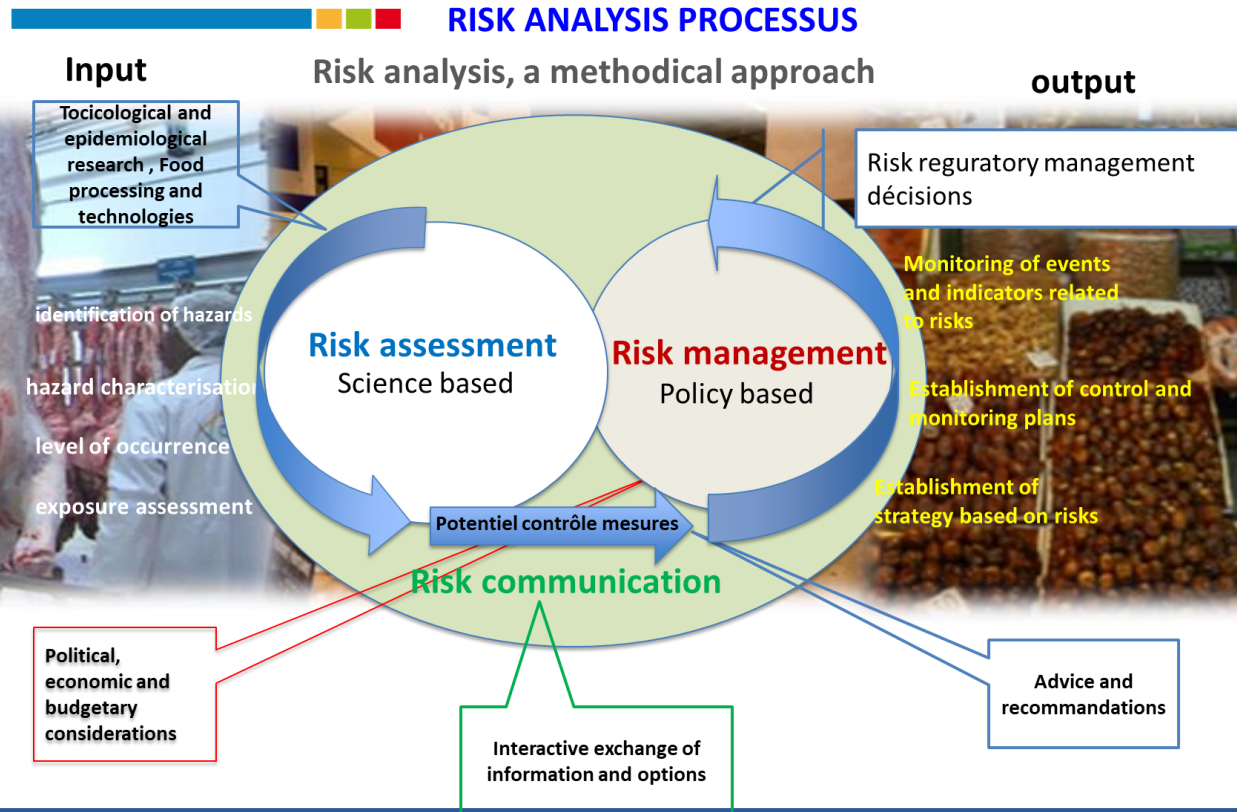
# Risk Analysis : Fundamental Pillars of Food Safety System

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# Application of risk assessment, risk management and risk communication in food regulatory system

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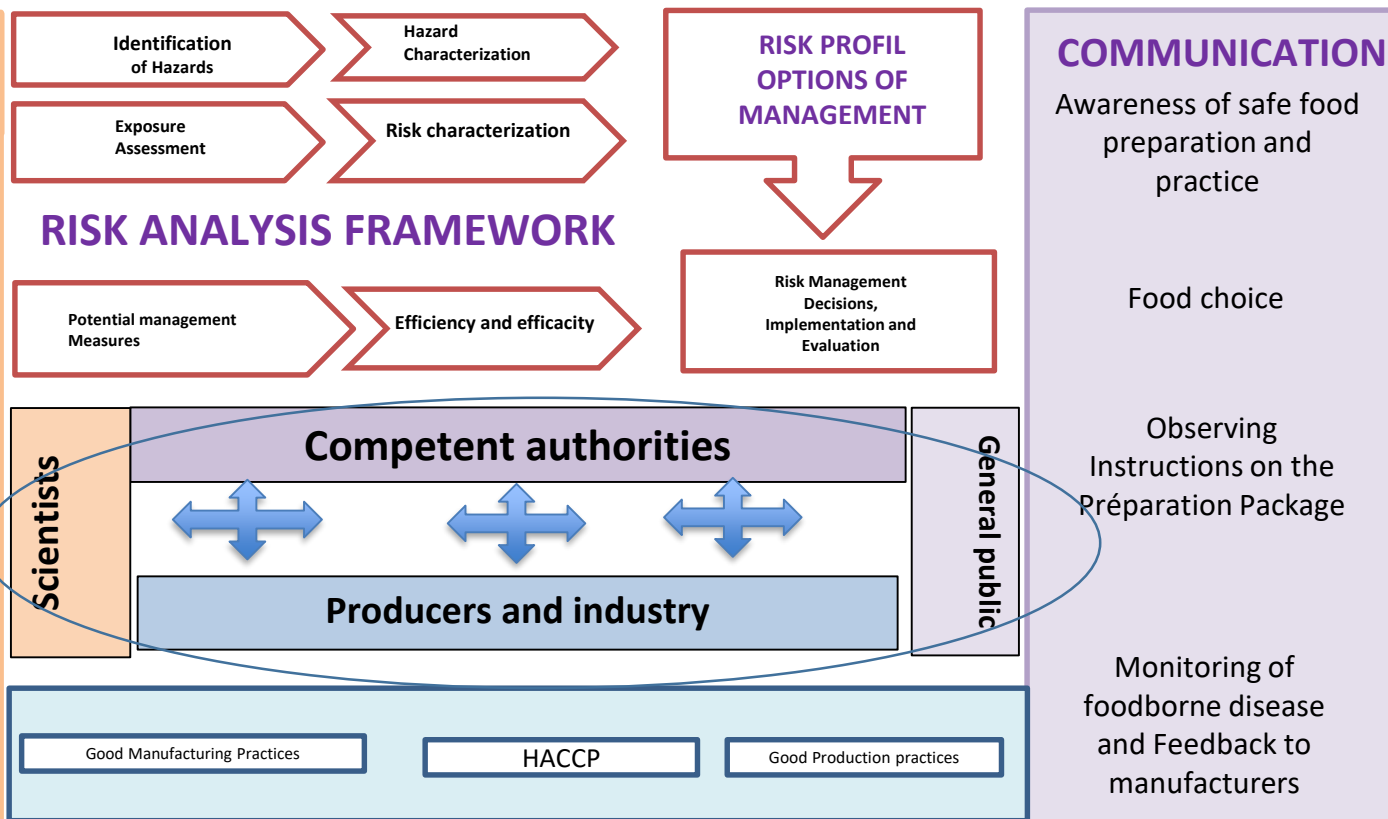
# Integrate approach of different interested parties

## Science, research and development

Toxicological and  
Epidemiological  
Research

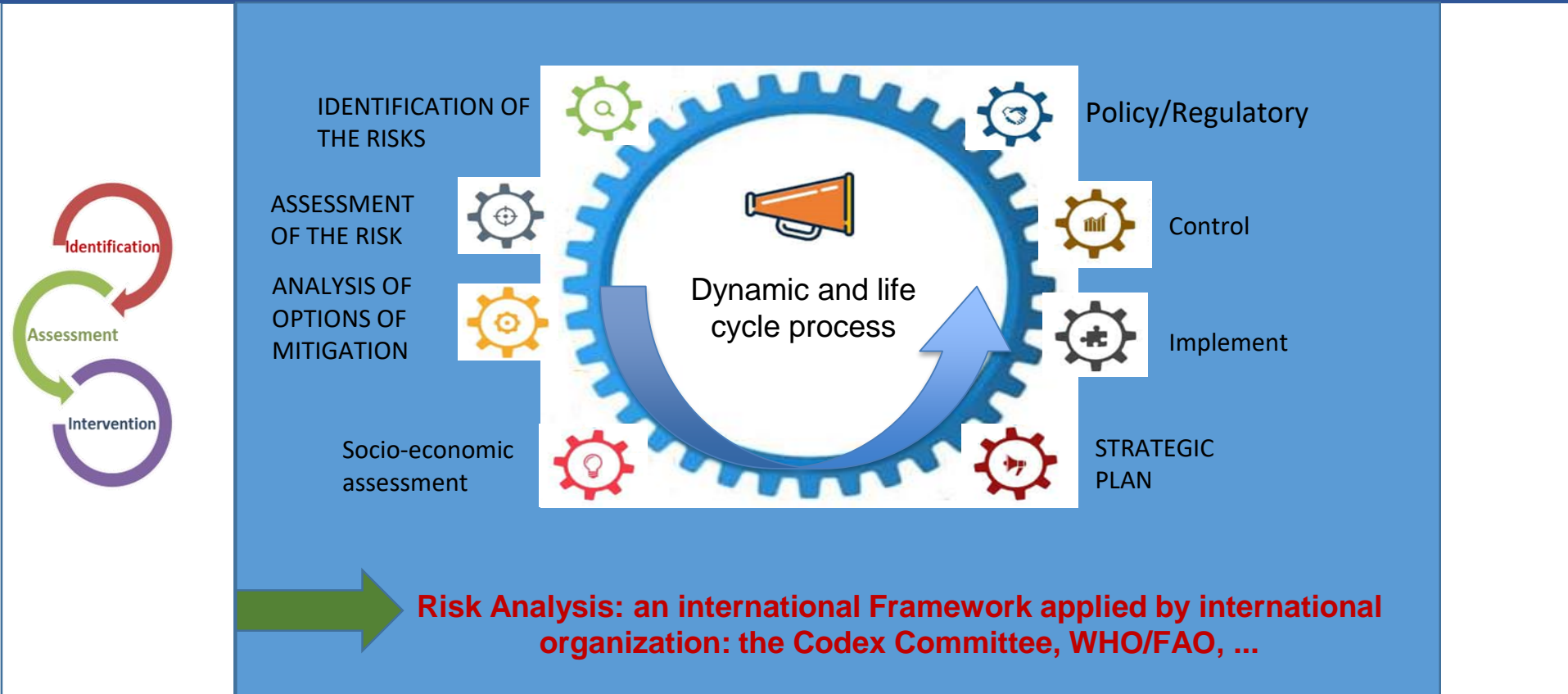
Product  
Development

Food and  
Processing  
Technologies

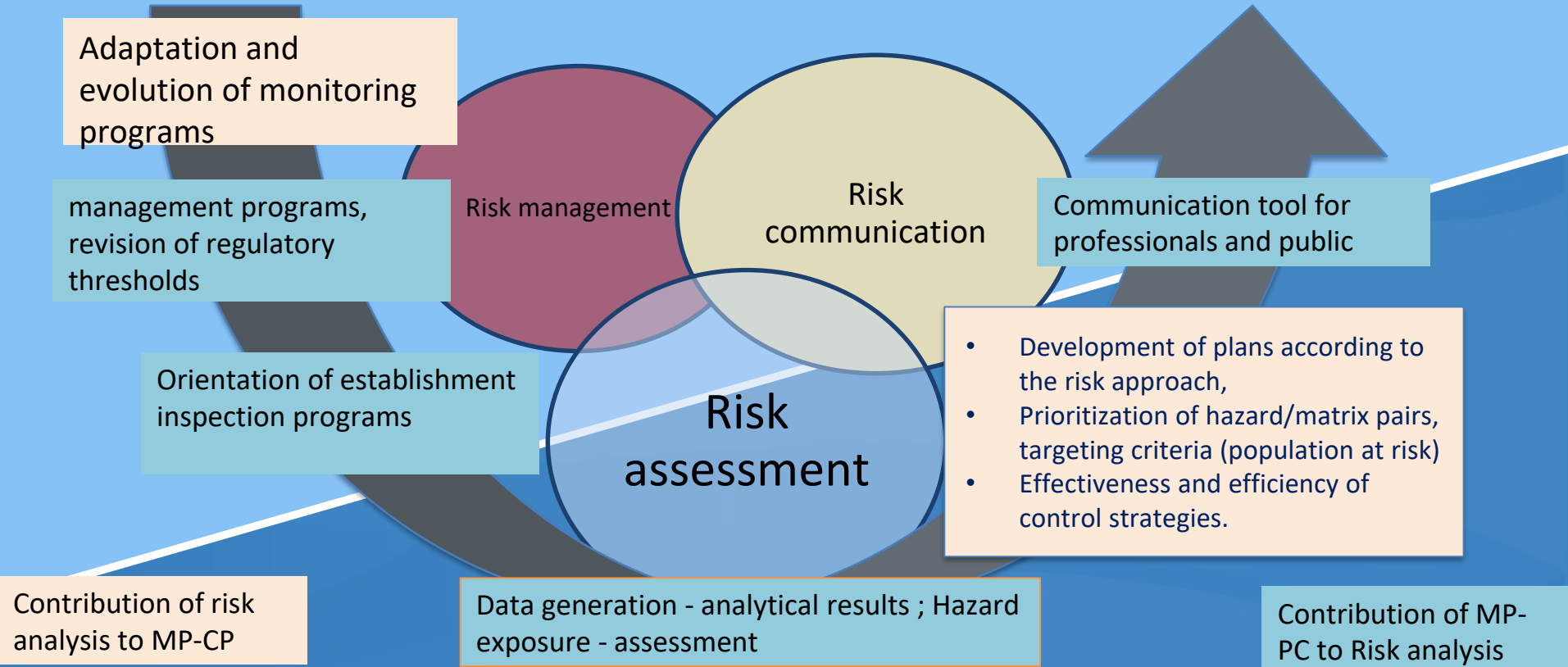


# A DYNAMIC AND STRUCTURED APPROACH TO IDENTIFY, ASSESS AND MANAGE RISKS TO INSURE SAFETY AND ROBUST FOOD SYSTEM

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# MP-CP by dynamic Risk Analysis process





Ongoing  
reform in  
Morocco?



# CHALLENGES AND PERSPECTIVES



## RISK ASSESSMENT IS A PRIORITY STEP IN THE INTERVENTION FIELDS OF MOROCCAN FOOD SAFETY AUTHORITY (ONSSA)

### Challenges related to risk assessment

- Multiplicity of sanitary and phytosanitary dangers and risks linked to the globalization of trade and to the changes in productive systems and manufacturing;
- A continuous changing health environment (emergence and re-emergence of health crises and cross-border diseases);
- Changes of the consumption habits and increasing food-related hazards (novel foods);
- Lack of data (occurrence and consumption data).



### *Creation of a new entity responsible for risk assessment separate from management entities*

- **Argue and justify** the sanitary and phytosanitary measures taken by ONSSA according to scientific bases ;
- **Improve** the decision-making process by adopting the principles of **objectivity, transparency and independence** of scientific expertise;
- **Identify** the levels of risks along the production chains;
- **Formalize** the implementation of risk assessment process according to international standards (OIE, IPPC, Codex Alimentarius, SPS Agreements) in a cooperative and harmonized framework involving ONSSA services and stakeholders;
- **Drive** studies, surveys and investigations to provide data.



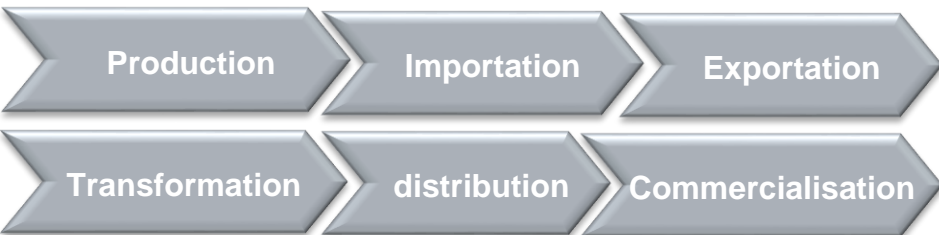
# RISK ASSESSMENT AT THE PRIORITIES OF ONSSA'S FIELD OF INTERVENTION



Creation of a risk assessment entity separate from the management entities



Ensure **objectivity**, **transparency** and **scientific basis** of the risk assessment process and SPS measures



**Develop an interactive mechanism with key partners for sharing and transmitting the information needed for timely risk monitoring ;**

**Develop an efficient and responsive information system that integrates all potential sanitary and phytosanitary risks;**

**Strengthen the competences of the ONSSA in risk assessment and scientific expertise in the field of food safety**



A word cloud featuring the phrase "Thank You" in numerous languages. The central and largest text is "thank you" in blue. Surrounding it are many other languages, including Spanish ("gracias", "gracias", "gracias"), French ("merci", "merci", "merci"), German ("danke", "danke", "danke"), Italian ("grazie", "grazie", "grazie"), Japanese ("ありがとう", "ありがとう", "ありがとう"), Korean ("고맙습니다", "고맙습니다", "고맙습니다"), Chinese ("谢谢", "谢谢", "谢谢"), Hindi ("धन्यवाद", "धन्यवाद", "धन्यवाद"), Urdu ("شکریہ", "شکریہ", "شکریہ"), Persian ("ممنون", "ممنون", "ممنون"), Arabic ("شكرا", "شكرا", "شكرا"), Hebrew ("תודה", "תודה", "תודה"), Russian ("спасибо", "спасибо", "спасибо"), Polish ("dziękuję", "dziękuję", "dziękuję"), Czech ("děkuji", "děkuji", "děkuji"), Slovak ("ďakujem", "ďakujem", "ďakujem"), Hungarian ("köszönöm", "köszönöm", "köszönöm"), Romanian ("mulțumesc", "mulțumesc", "mulțumesc"), Bulgarian ("благодаря", "благодаря", "благодаря"), Greek ("ευχαριστώ", "ευχαριστώ", "ευχαριστώ"), Latin ("gratias", "gratias", "gratias"), and many others. The words are in various colors and sizes, creating a vibrant and multicultural display.