

Mapping the Risks and Vulnerabilities in the EU Food Supply Chain

Conducted by: *Ecorys Brussels NV*

Commissioned by: *EC, DG JRC - Joint Research Centre*


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Content of the presentation

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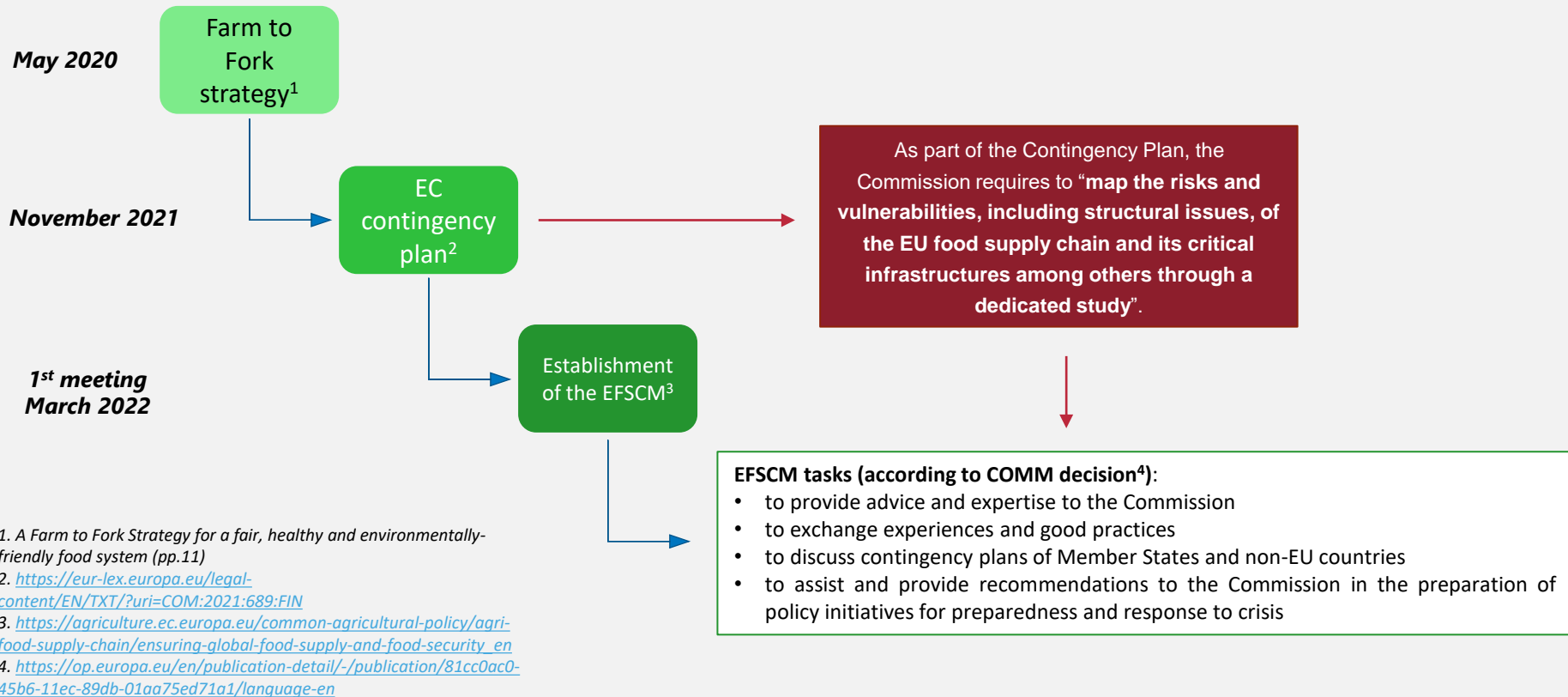


Context, objectives & scope of the study

Risks and food crisis: the Covid-19 wake-up call



Context of the study



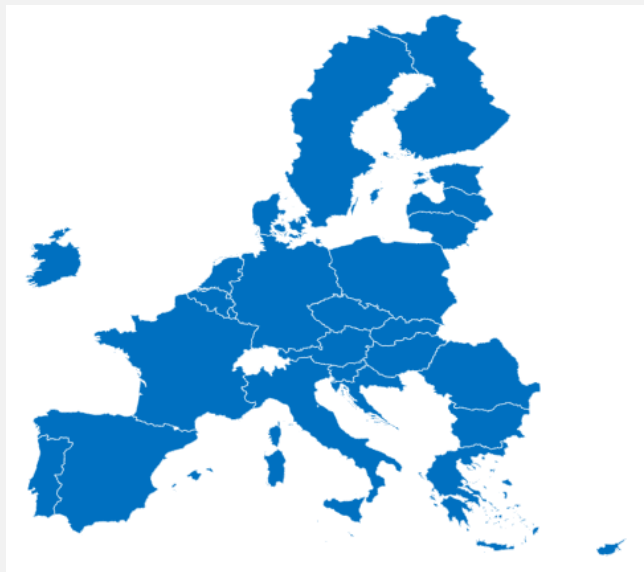
The objectives of the study

The objective of this study is **to map and assess risks and vulnerabilities affecting EU food supply and safety and their heterogeneity across sectors, stages of the supply chain, regional patterns and MS,** with the ultimate purpose to inform policymaking and support future studies.

The study will pursue three specific objectives, namely:

- I. **Identify potential risks and vulnerabilities** affecting EU food supply and security across sectors, stages of the supply chain, and MS, and define risk typologies.
- II. **Characterize the identified risks** based on origin, impact, likelihood, exposure, duration, vulnerability and correlations, **and identify determinant factors of vulnerability**, across different sectors, stages of the supply chain, MS.
- III. **Prioritize risks and vulnerabilities** and cast light on noteworthy threats to EU food supply and security, at aggregated level as well as at disaggregated levels of the food supply chain (i.e. by sectors, stages of the supply chain, and MS).

The geographical scope of the study



- The geographical scope of the contract refers to the EU, **hence the study will cover all EU-27.**

Including a focus on:

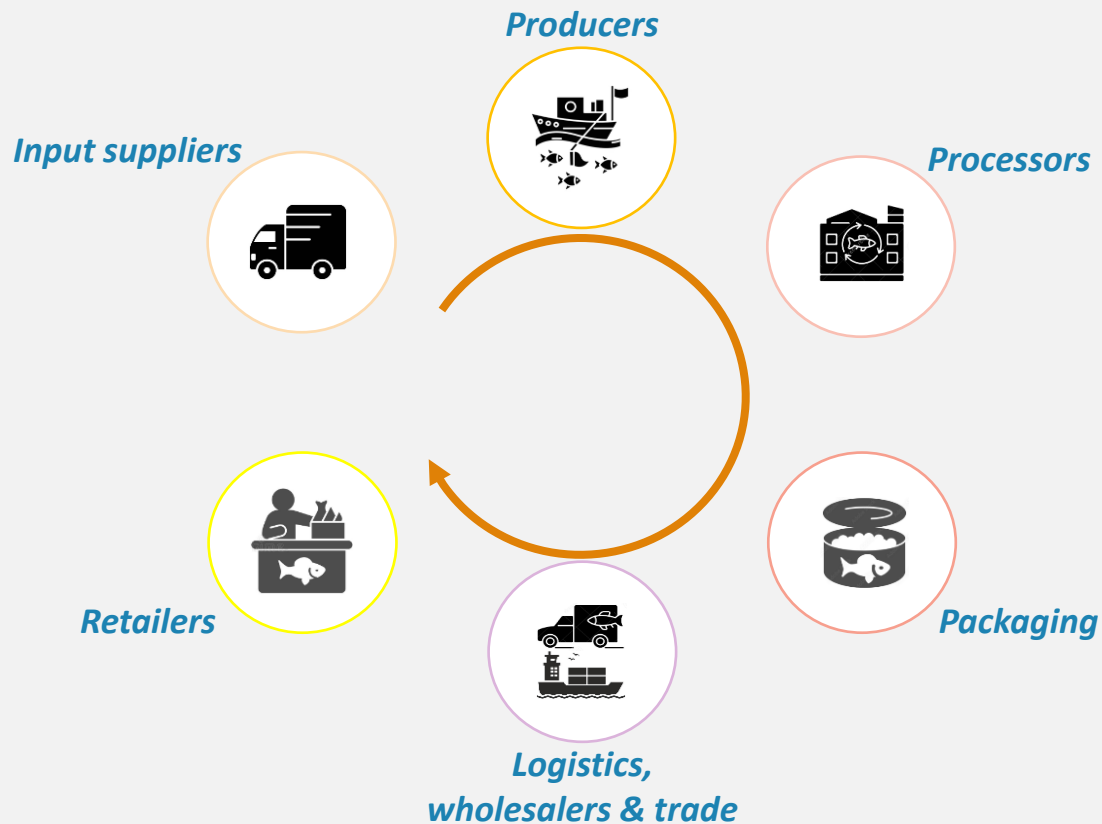
- **Outermost regions** as defined by the Treaty on the Functioning of the European Union (*Guadeloupe, French Guiana, Martinique, Mayotte, Réunion, Saint Martin, Azores and Madeira , Canary Islands*).
- **Remote regions** (NUTS3), identified according to Eurostat (Chapter 5 of Eurostat's Territorial typologies manual)
- Food categories **import-dependent Member States**, through net import index (share of total value of food imports on total value of food exports, using Eurostat data).

The sectoral scope of the study

- **Fishery and aquaculture products and their preparations (including fats and oils)**
- Meat and their preparations
- Dairy (including eggs, honey, fats, and other animal products) and their preparation
- Fruit & Vegetables and their preparations
- Beverage and alcoholics
- Cereals, Legumes and Oleaginous and their preparations (including vegetal oils)
- Sugar and miscellaneous (including coffee, tea, cocoa, spices)



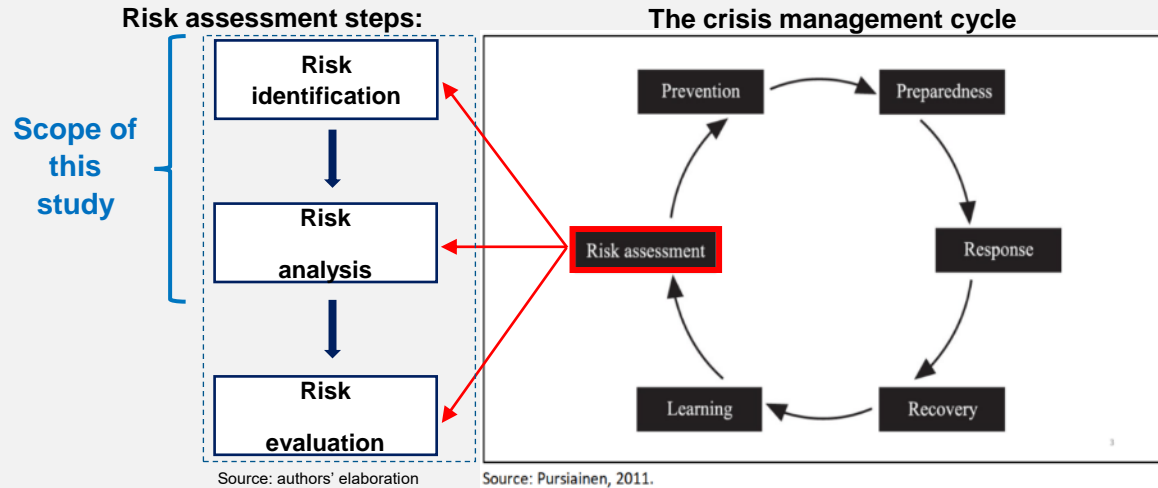
The sectoral scope of the study





Risk assessment and work plan

Risk assessment steps



The scope of this study is limited to two steps: [risk identification](#) and [risk analysis](#).







Risk identification

It is the process of determining the risks (and vulnerabilities).

Risk analysis

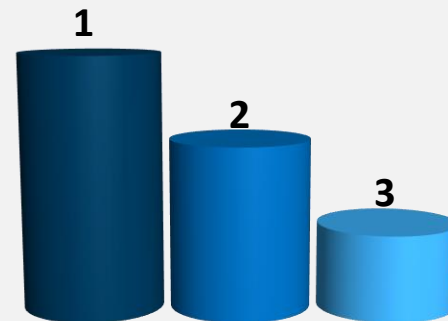
It is about selecting risks that warrant further analysis by examining the main properties of risks

Analysis of risks and vulnerabilities

- Origin of risks 
- Potential impact 
- Likelihood of risks 
- Time horizon and duration of risks 
- Patterns and systematicness of risks 
- Exposure and vulnerability of food supply chains
→ *Structural factors of vulnerability* 

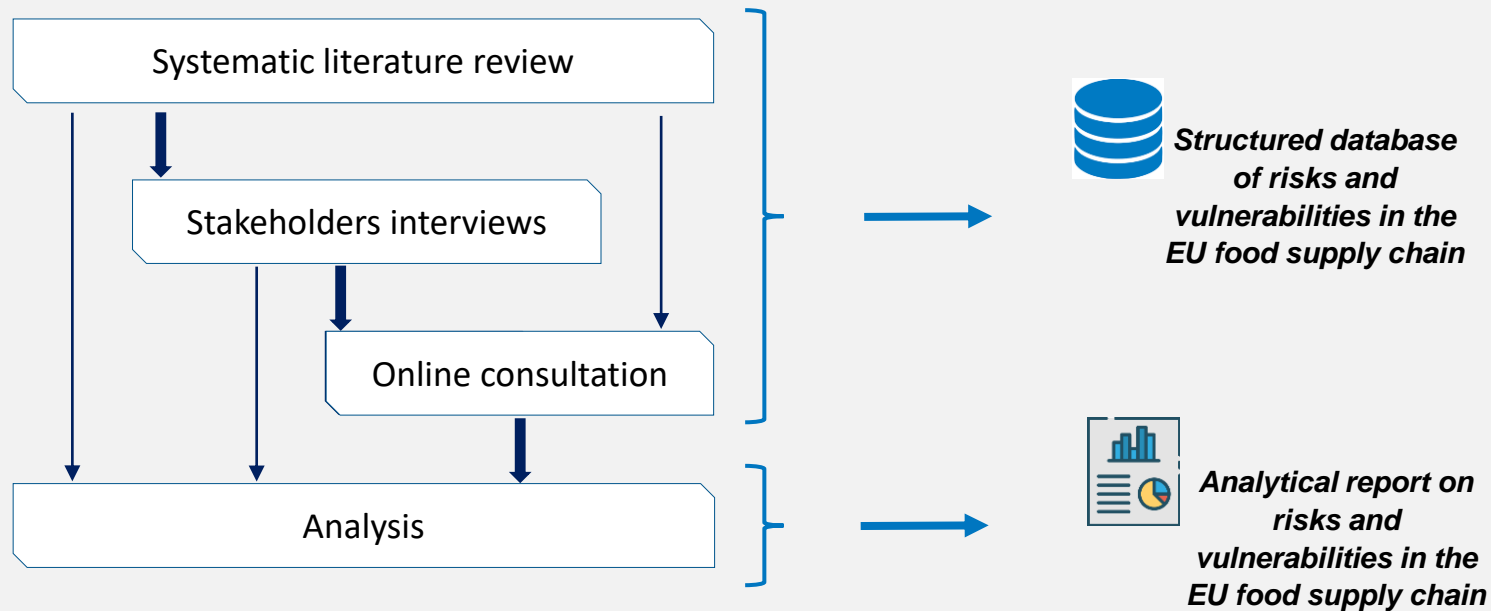


Risks prioritization

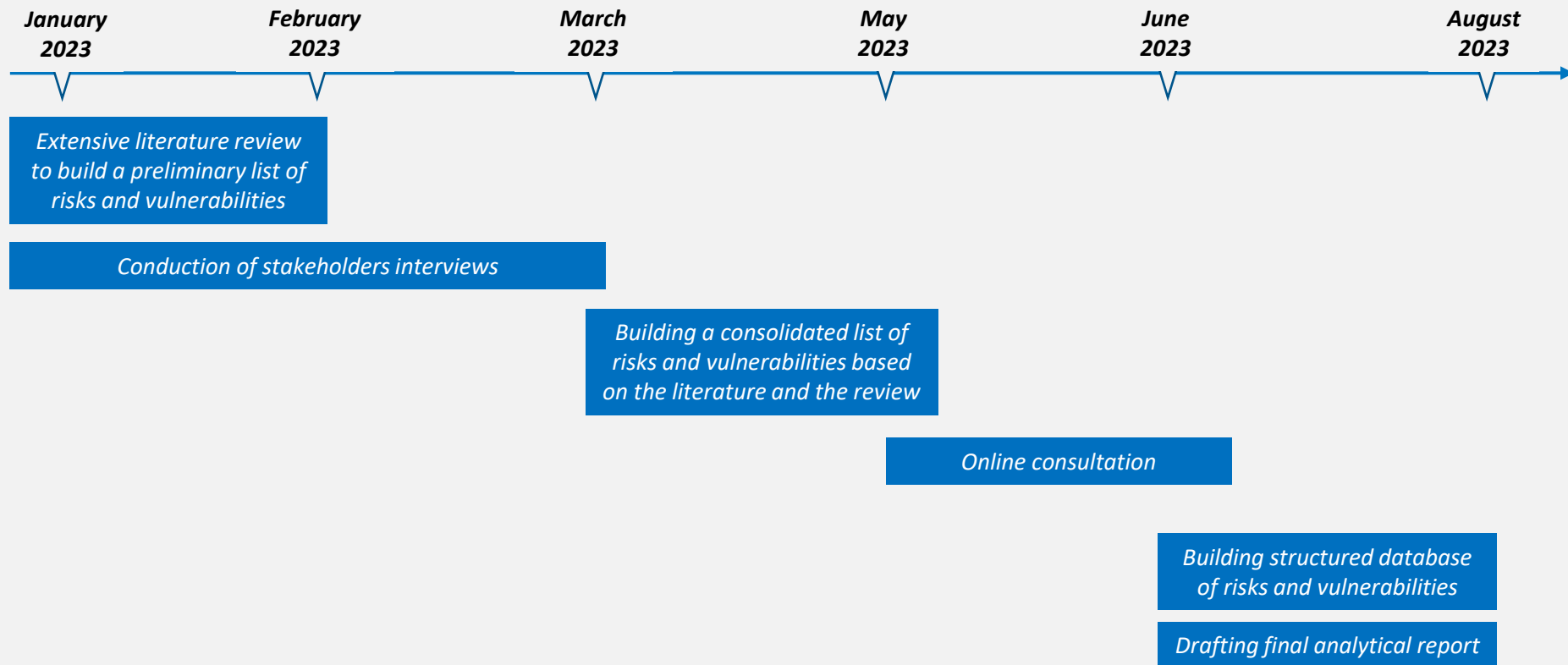


Identification of noteworthy threats to EU food supply and security

Tasks and final outputs of the study



Work plan





Thanks for your attention