



FUTURE CHALLENGES FOR THE SAFETY OF FOOD AND FEED FROM THE OCEANS: A FORESIGHT STUDY

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Risks (StaDG-ER)

9 November 2023

OUTLINE



1 Why the oceans?

2 The EFSA oceans project

3 Priority ocean uses

4 The foresight exercise



BLUE ECONOMY AS DRIVER OF EMERGING RISKS. YES, BUT WHY JUST IT?

- EU strategies and policies
- United Nations Decade of Ocean Science for Sustainable Development (2021-2030)
- Developments in Aquaculture and fishing sector
- Biotechnological developments



DAVOS 2023

There is no liveable planet without the ocean. Business can chart a course to ocean sustainability and health

Jan 11, 2023



EFSA AND THE OCEANS

Eurocigua

CLEFSA

Food chain of Atlantic Salmon

Cyanobacteria

Micro/nanoplastics

Emerging risks networks



The poster features an underwater scene with several fish swimming over a coral reef. In the top right corner, there is a logo for EuroCigua II consisting of a globe with a coral reef overlay. The text on the poster reads: "An integrated approach to assess the human health risks of ciguatoxins in fish in Europe". Below this, the title "EuroCigua II" is displayed in a large, bold, blue font. Underneath the title, it says "KICK-OFF MEETING" in a smaller, teal font, followed by "Las Palmas de Gran Canaria" and "October 26th, 2022" in a teal font. At the bottom left of the poster, the reference code "GP/EFSA/KNOW/2022/03" is printed in a small, black font.

EuroCigua II

"An integrated approach to assess the human health risks of ciguatoxins in fish in Europe".

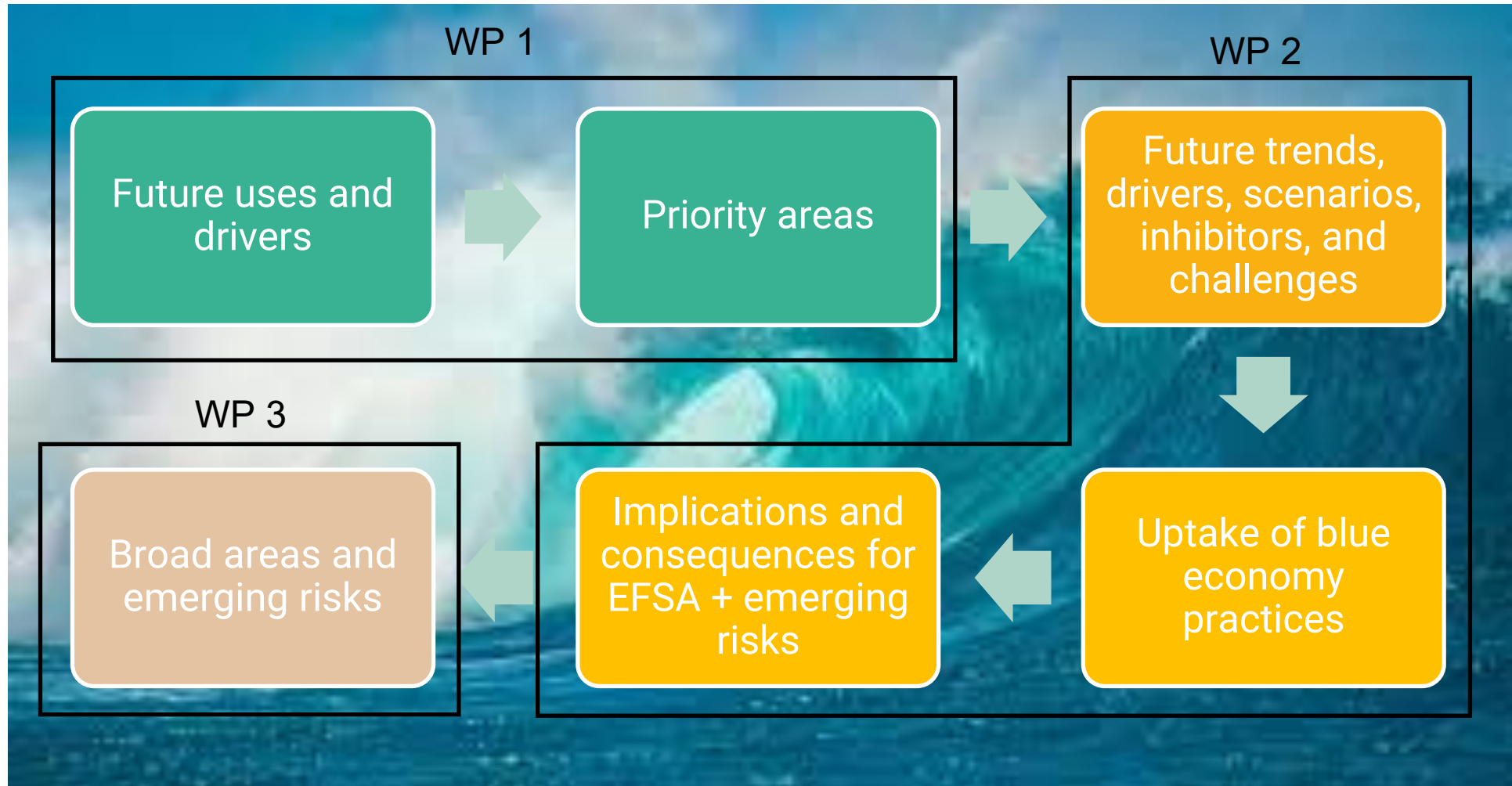
EuroCigua II

"KICK-OFF MEETING
Las Palmas de Gran Canaria
October 26th, 2022

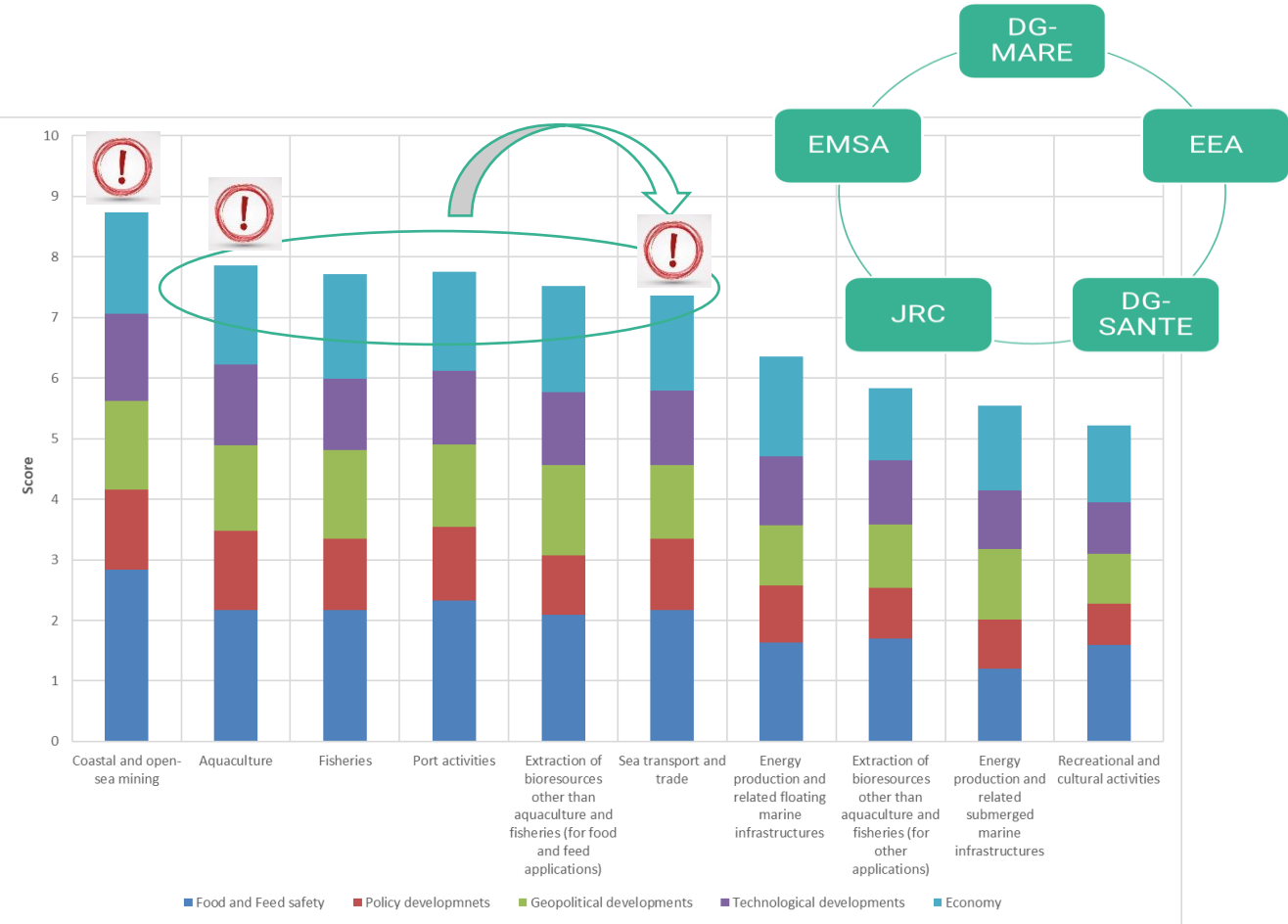
GP/EFSA/KNOW/2022/03



THE OCEAN PROJECT



WP1 – SCOPING STUDY: PRIORITY FUTURE USES



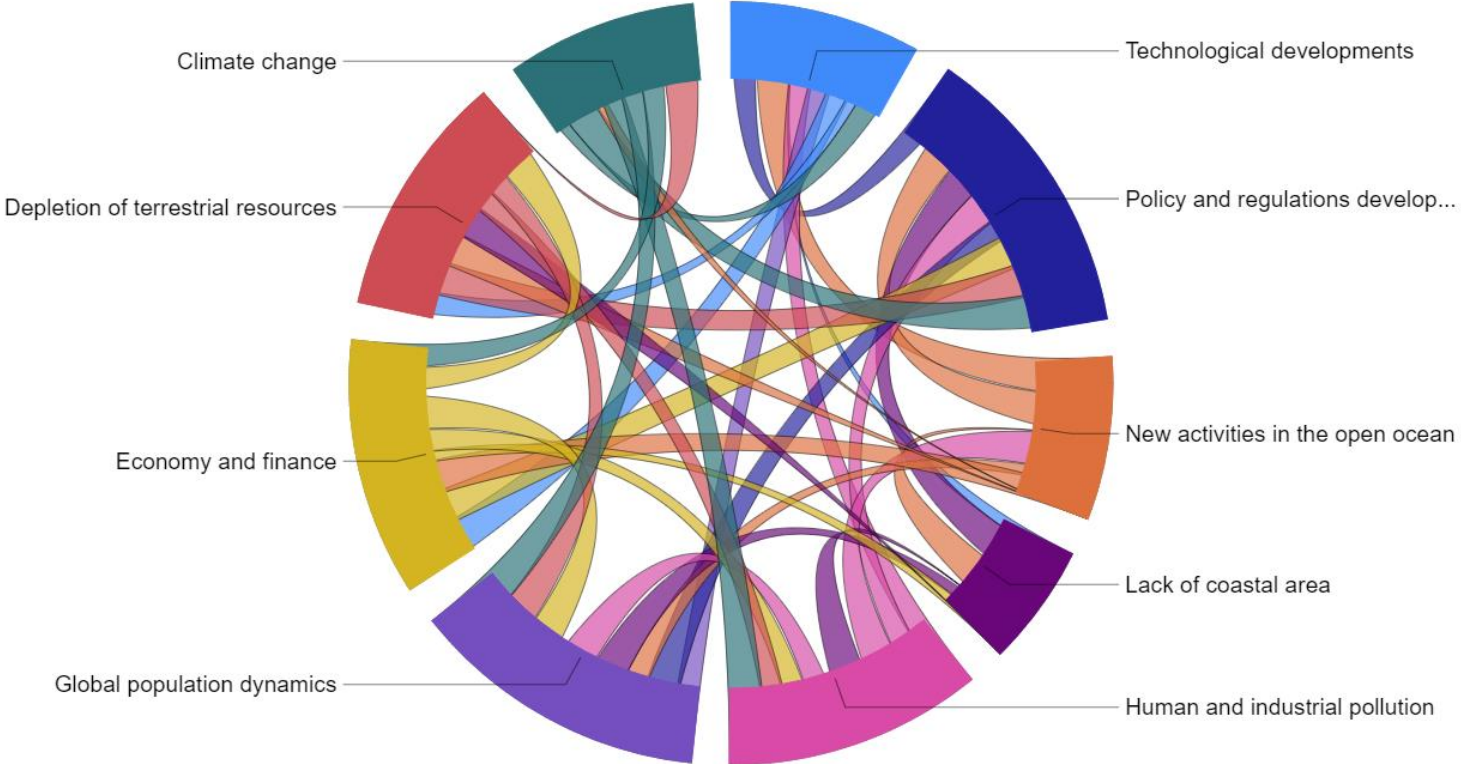
The European LNG infrastructure



https://energy.ec.europa.eu/system/files/2022-02/EU-US_LNG_2022_2.pdf



WP1 - DRIVERS



WP 2 – MAPPING A KNOWLEDGE NETWORK



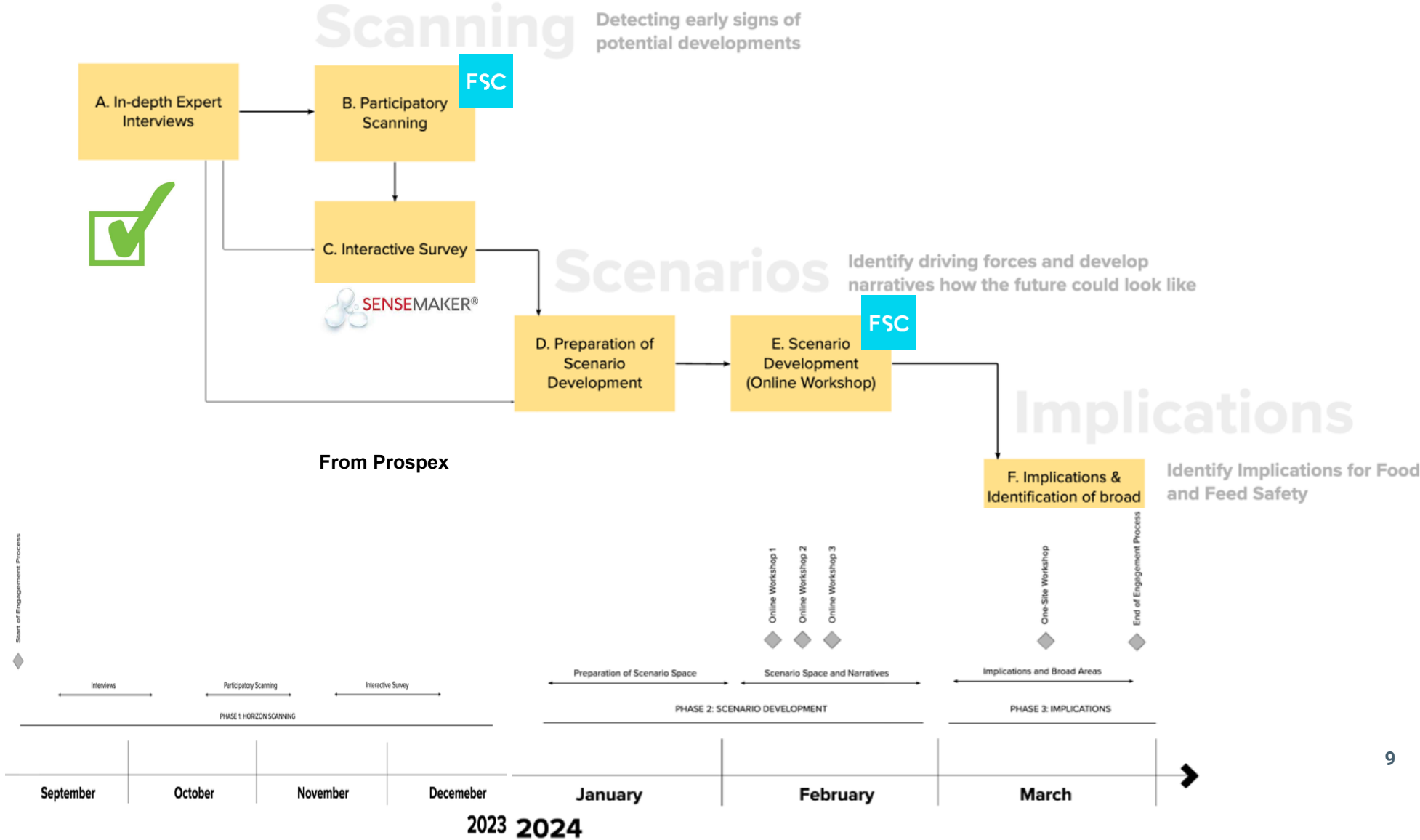
100 experts for horizon scanning



30 for identification emerging risks and areas of relevance



WP2 - FORESIGHT



FORESIGHT COCKPIT FOR HORIZON SCANNING

Navigating Tomorrow's Tide: Exploring the Future of Ocean Resources and Their Impact on Food and Feed Safety

Preliminary process results from the foresight exercise in the domains of Marine Aquaculture, Sea Transport and Trade, and Coastal and Open-sea Mining

Marine Aquaculture



Trend
08.11.2023

New species adaptable to aq...



Trend
08.11.2023

Increase use of additives



Trend
08.11.2023

Risks of mixing wild and culti...



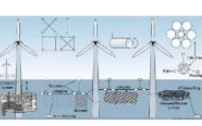
Trend
08.11.2023

Aquaculture products being ...



Trend
08.11.2023

Monoculture setup of the aq...



Trend
08.11.2023

Offshore wind farms and aqu...



Coastal and Open-sea Mining



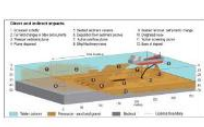
Trend
08.11.2023

Limited resources becoming ...



Trend
08.11.2023

Sand extraction areas becom...



Trend
08.11.2023

Marine sands increasingly fa...



Trend
08.11.2023

Norway plans to open seabed...



Trend
08.11.2023

A growing number of countri...

Sea Transport and Trade



Trend
08.11.2023

Availability of products reduc...



Trend
08.11.2023

Prices of fuel might reduce tr...



Trend
08.11.2023

Sea ports are adaptation to t...

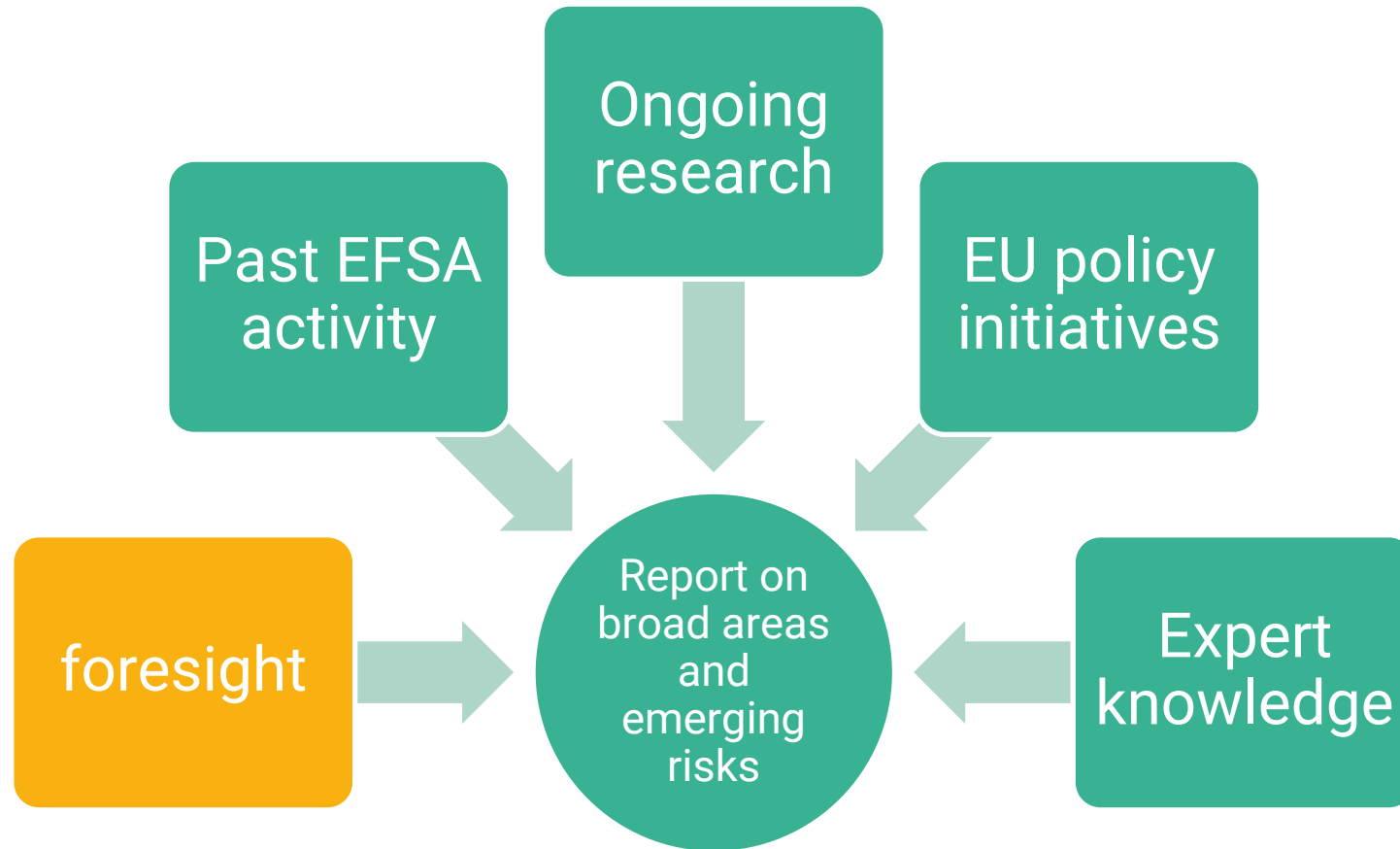


Trend
08.11.2023

Increasing tension between ...



WP3 - EXPECTED OUTCOME



TIMELINE

WP1 – scoping study, incl. prioritisation (June 2023)

WP3 – reporting on broad issues and emerging risks (June 2024)

START



January 2023



**YOU ARE
HERE**

WP2 – stakeholder mapping and foresight (Mar 2024)



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