

Towards the next generation of Safe and Sustainable by Design Chemicals, Materials and Applications

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Innovation for the Green Deal: SSbD
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Objectives & Outcome

- To actively contribute to the debate on new SSbD Chemicals, Materials and applications.
- To collaborate with the European Commission in identifying R&D&i priorities for more safe and sustainable chemicals.
- Research & Innovation Roadmap.



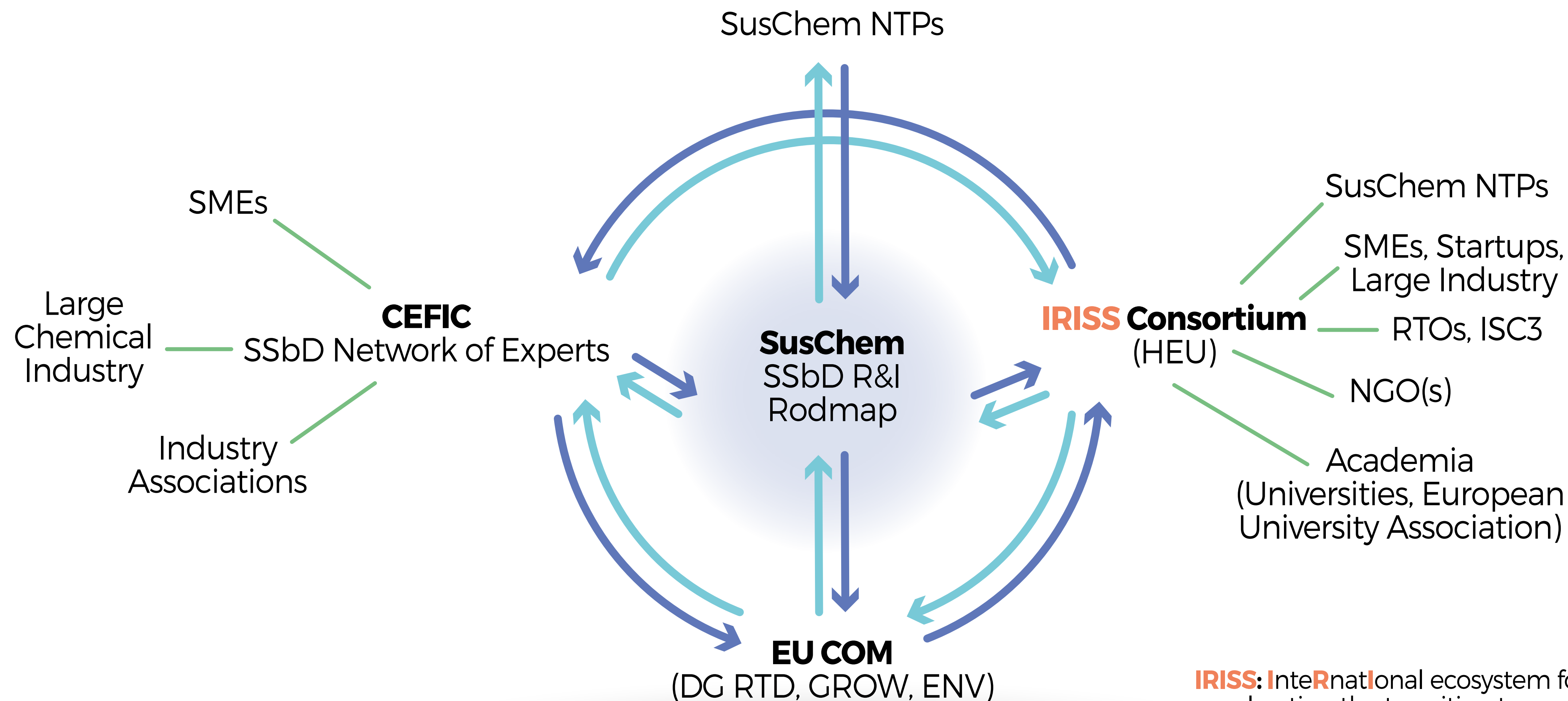


Why SusChem?

- SusChem as the technology platform for sustainable chemistry has a **unique network** throughout the chemical industry and the academic world.
- The Chemical Strategy for Sustainability currently developed and rolled out as part of the EU Green Deal **will have a huge impact on the chemical industry** – and therefore on every other industry.
- SusChem wants to contribute to **create transparency about the consequences along major value chains, highlight technological feasibility and define innovation areas and respective horizons timewise.**
- SusChem aims to **support the development and enrich the discussion by providing a comprehensive roadmap for potential innovation areas along its pillars – materials, processes and formulations/actives.**



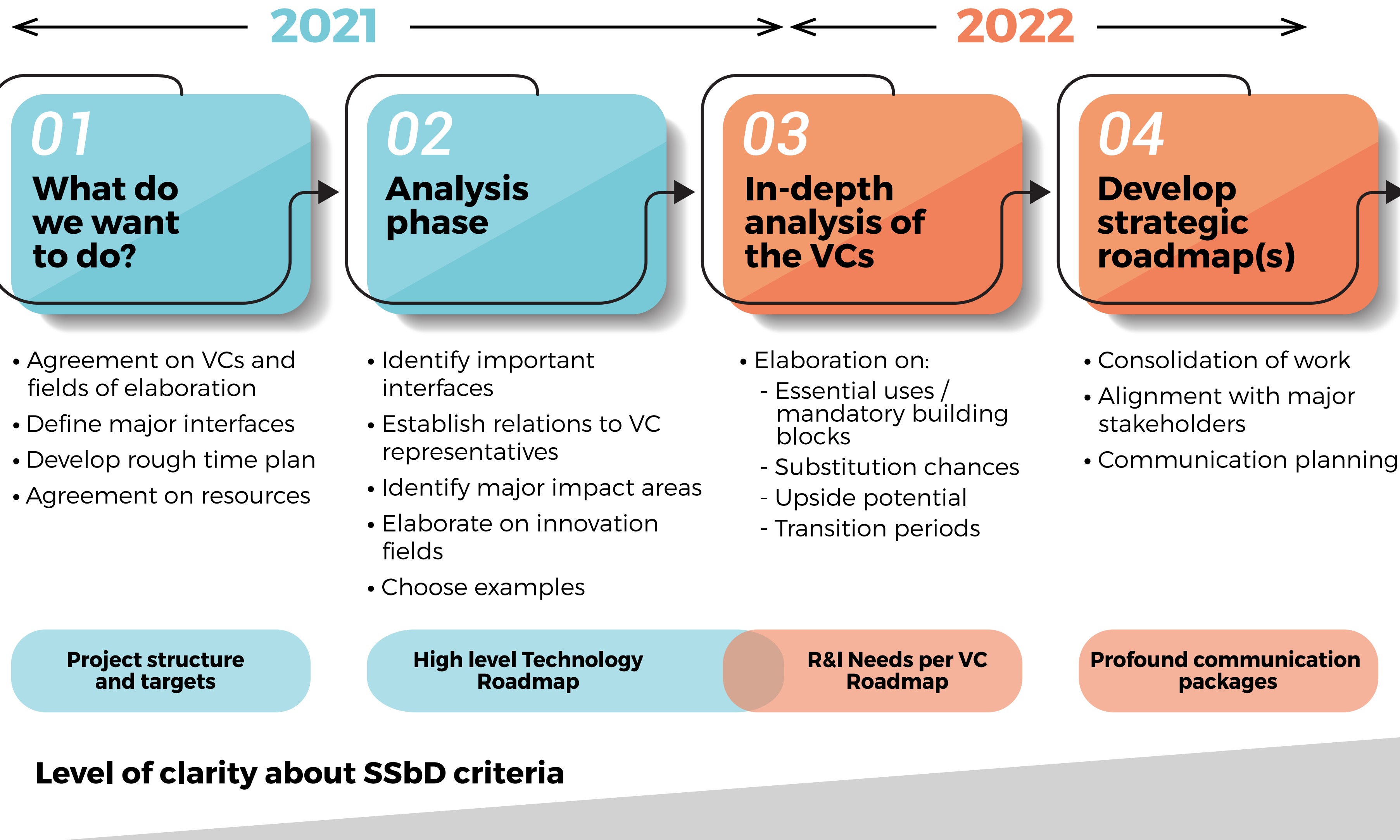
Connected to multiple Stakeholders



IRISS: International ecosystem for accelerating the transition to Safe-and-Sustainable-by-design materials, products and processes

Granted Project (CSA) under Horizon-EU

Project Outline





SusChem SSbD High Level Roadmap

Creating the next generation of safe and sustainable chemicals

Feique Sesión - Seguro y Sostenible desde el Diseño, February 3rd 2022

Marcos Ierides, Bax & Company

Bax & Company – Who we are?



Team

We employ 55 professionals on our core teams distributed over 3 offices

In addition we work with a cloud of subject matter experts which we involve as needed



Satisfied Clients

Clients typically come back for more – we strongly believe in developing long term relationships with our clients based on tangible added value being provided consistently and reliably



Track record

We have been supporting clients in the general area of open innovation since 1987.

Our methods and tools have evolved regardless of hype, the latest book on innovation, rooted in deep experience and understanding of what works in the real world



Multi disciplinary

We cover many disciplines, sectors, technologies and markets enabling us to cross-fertilise our thinking

We are a small firm which means we actually run into colleagues that can help us think out of the box on a daily basis

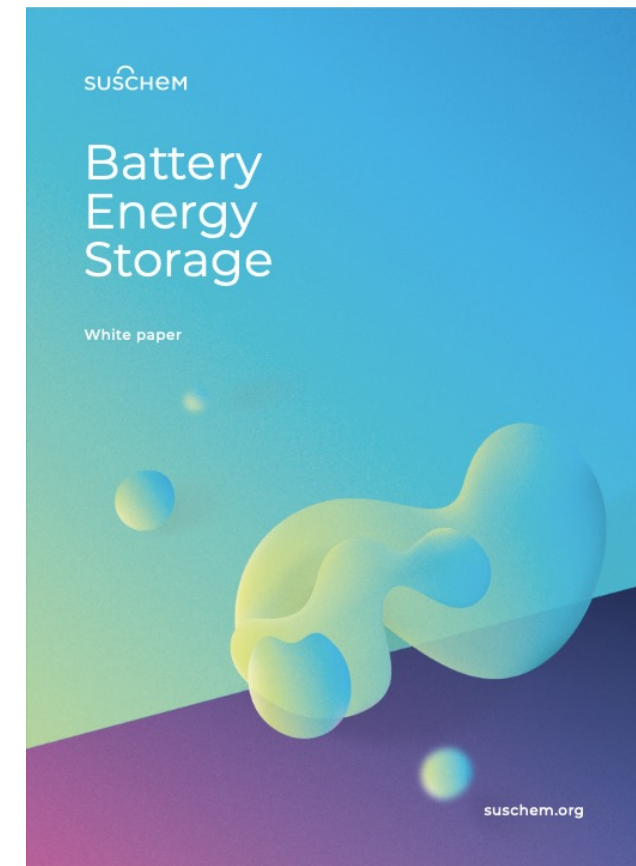
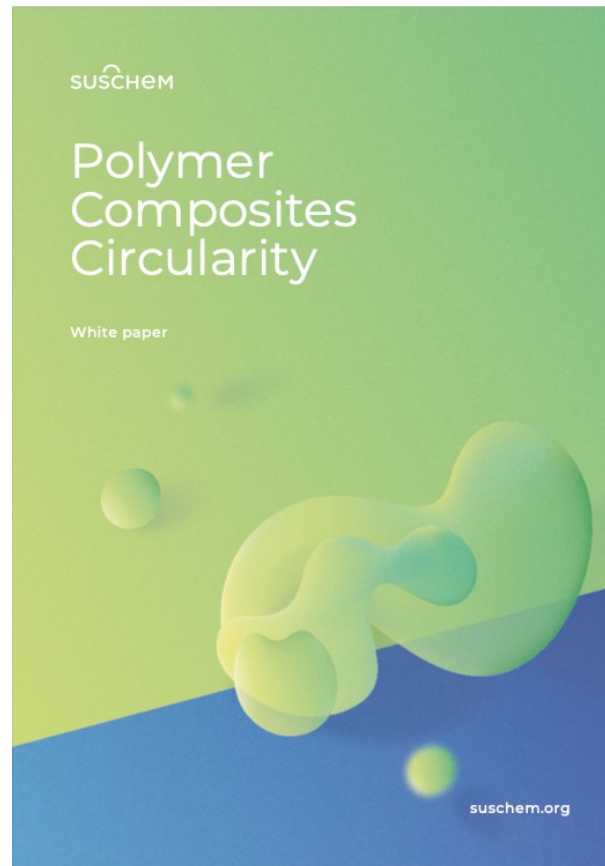


Strategy applied

We are typically hired to support the translation of sometimes abstract high level strategies into tangible plans, decisions and actions.

We love a canvas, but will not assume that the canvas itself represents an actionable level of definition or insight.

Some examples of our previous work with SusChem/Cefic



Context

- The EC (DG RTD) is defining **guidelines on Safe and Sustainable by Design (SSbD)** chemicals, materials, processes and applications
- These guidelines are partly based on the work performed in the nano-materials cluster, focusing on safety
- Some material have already been published, i.e. the “**Chemicals Strategy for Sustainability (CSS) Towards a Toxic-Free Environment**”
- The **EC is planning to publish a more detailed strategy in 2022**. The strategy is expected to influence policy, as well as help define R&I priorities that will manifest in Horizon Europe and other calls
- SusChem considers important to liaise with DG RTD and **give input to EC’s SSbD strategy** prior to its publication
- SusChem has already set up Working Groups (WGs) and Value Chains (VCs). A kick-off meeting was held with the WGs in August 2021 to start working on the content of the roadmap
- The starting point of the WGs was a “**non-paper**” published on the topic in 2019, with some SusChem members as co-authors, and referenced in the SusChem 2019 SIRA.

Objective

Overarching objective

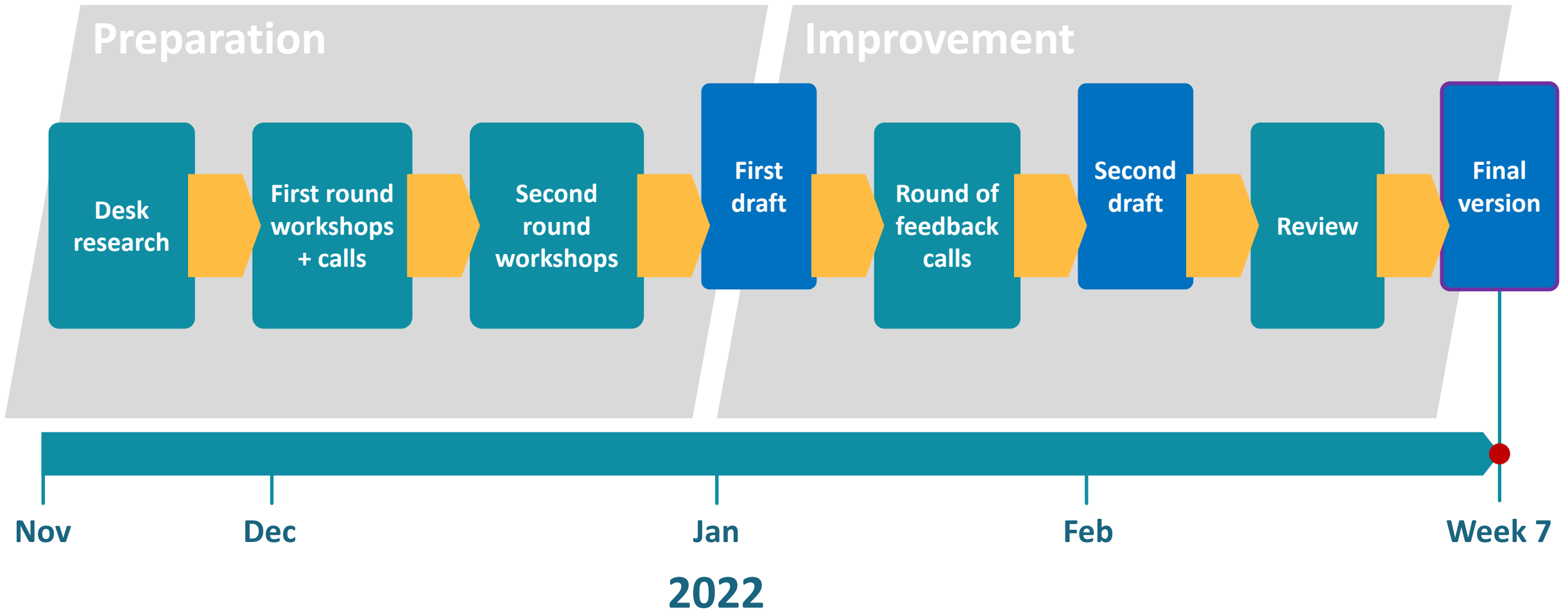
To make sure that the EC's SSbD strategy that will be published in 2022 takes into consideration the priorities of the chemical community

Specific objectives

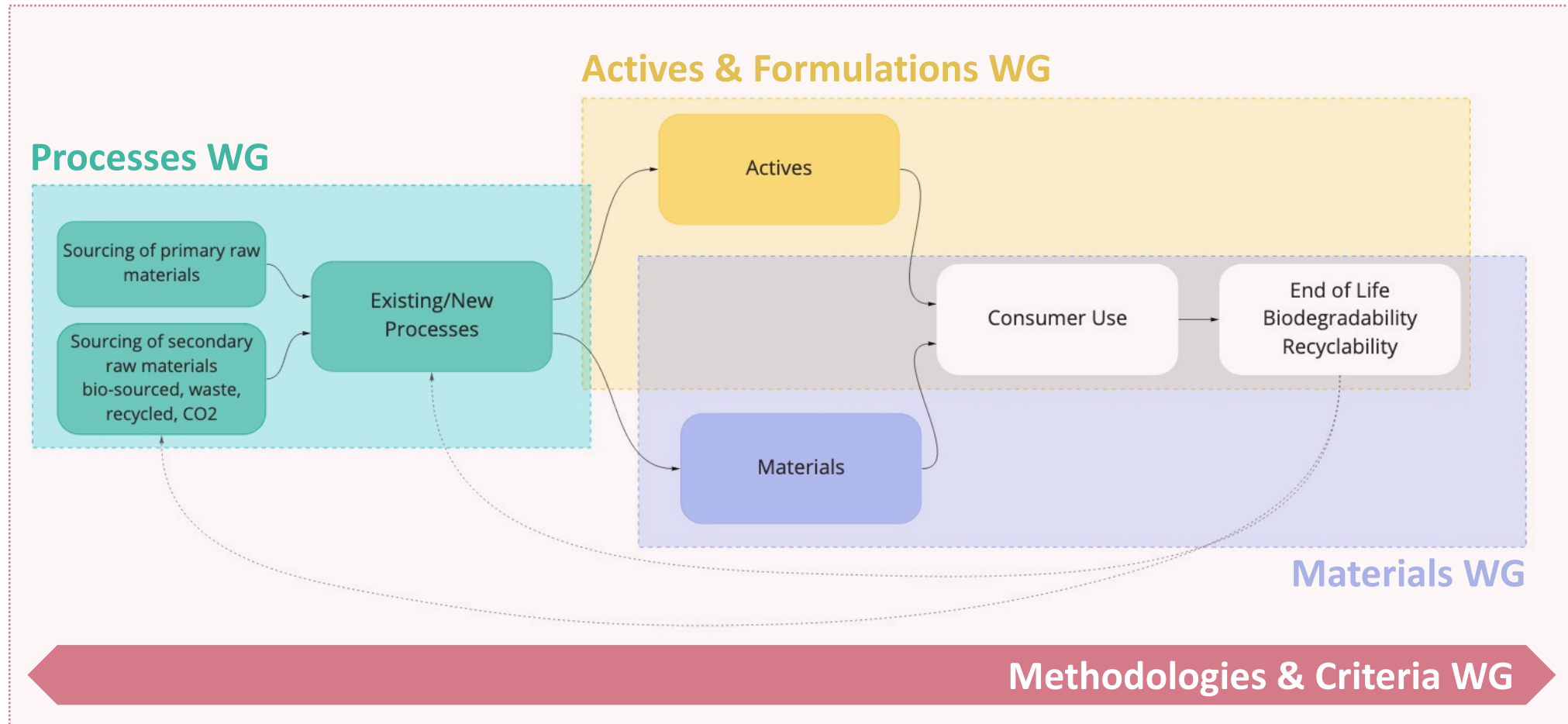
- Collect input on **challenges, suggested R&I solutions** to address them, and **success cases** on different aspects from the different WGs*
- Involve the SusChem community in the process

** Input is not expected to provide an exhaustive list per value chain, or go into detail per VC. Nevertheless, examples for specific VCs could be mentioned*

Process

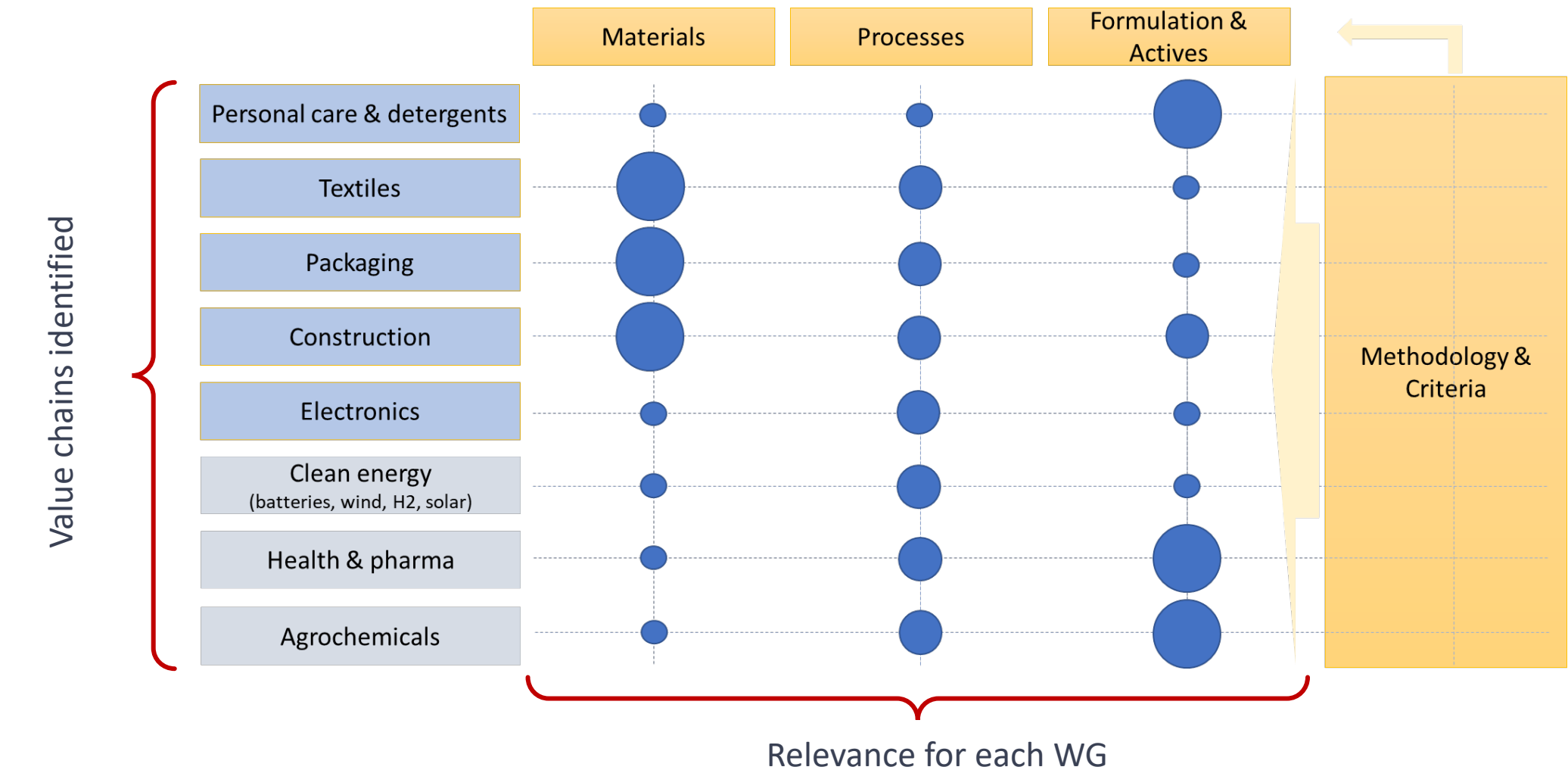


Organisation of experts

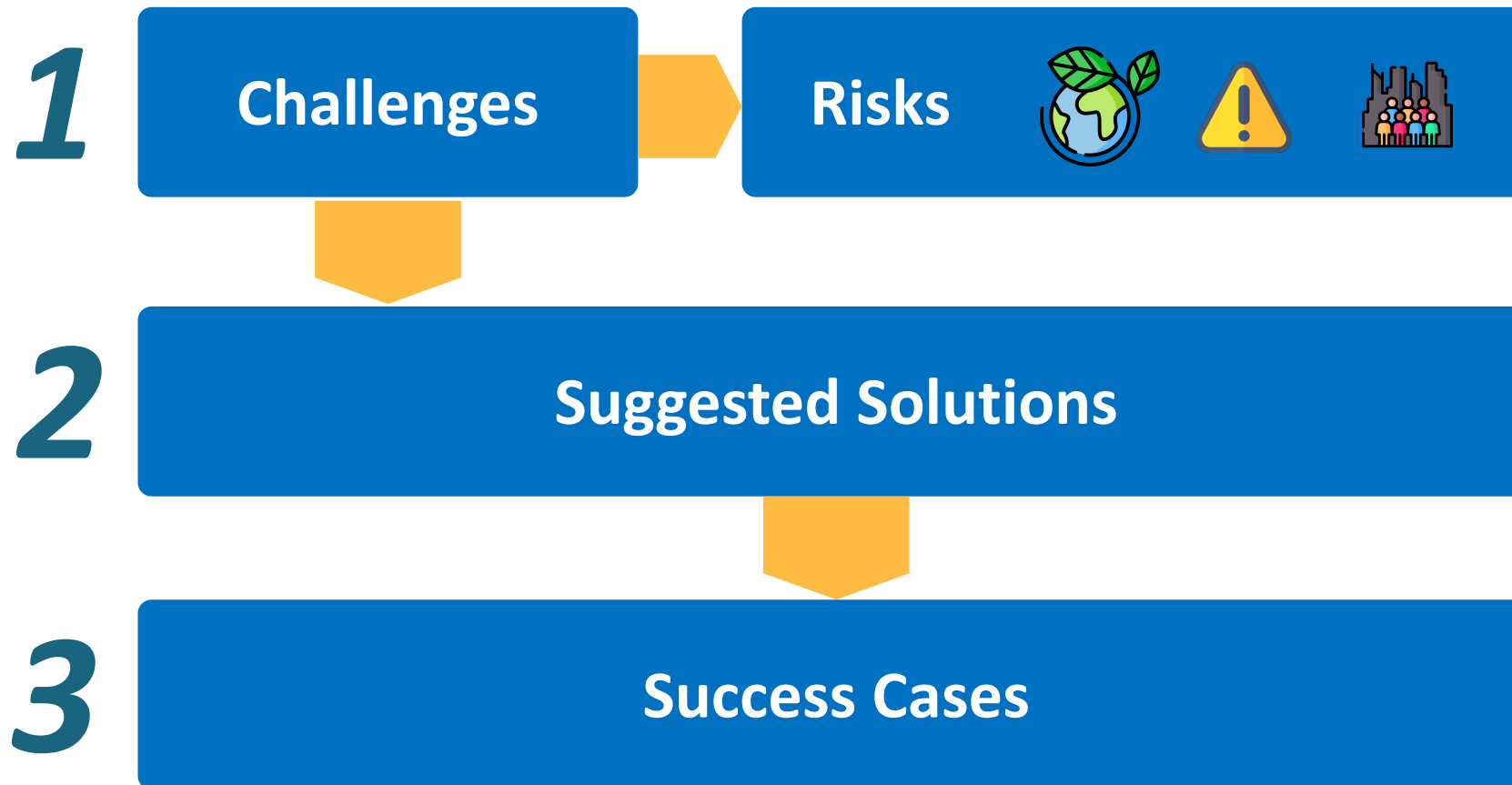


Value chain focus

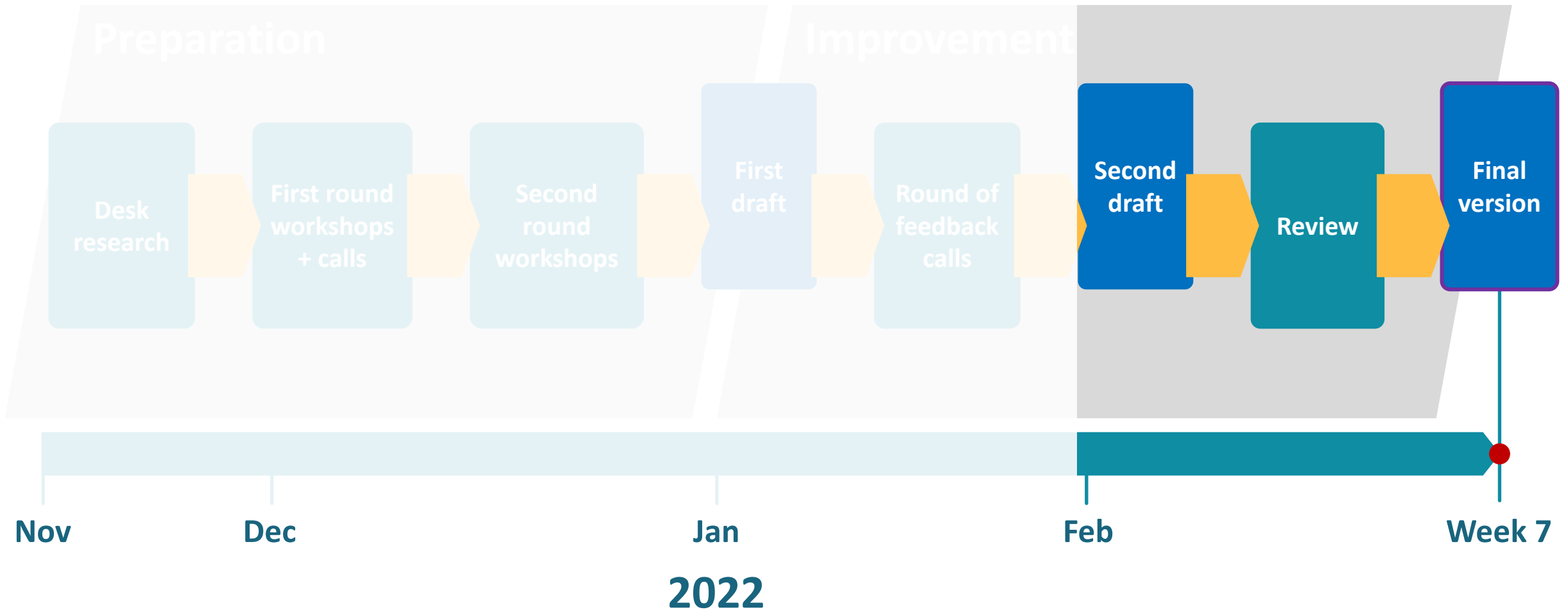
Results from board survey in June 2021



Sections of the roadmap



Next steps



THANK YOU!

GET IN TOUCH



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