



Gene editing in Europe – A policy status

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The Potential and Opportunities of Gene Editing in Aquaculture

Joint Webinar EATiP, FABRE TP & EFFAB

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Context for the initiative



Farm to Fork Strategy: overall goals



climate
footprint

Reduce the
**environmental
and climate
footprint** of the
food system



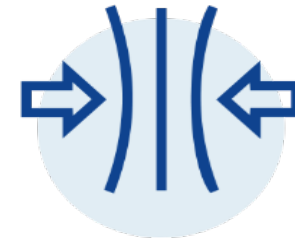
global
transition

Lead a
global transition
towards competitive
sustainability from
farm to fork



new
opportunities

Tap into
**new
opportunities**



resilience

Create a **robust
and resilient** food
system

Commission study on new genomic techniques

- ✓ GMO legislation and risk assessment needs adaptation to scientific and technological progress to be suited to certain NGTs and their products.
- ✓ Current regulatory oversight and risk assessment requirements are not tailored to diverse risk profiles.
- ✓ NGTs can contribute to Green Deal and Farm to Fork objectives, as well as to a more competitive economy.
- ✓ Concerns expressed should be addressed in any future action. NGT applications in the agricultural sector should not undermine other aspects of sustainable food production, e.g. as regards organic agriculture.

Legislation for plants produced by targeted mutagenesis and cisgenesis

Scope and objectives

Plants derived from targeted mutagenesis and cisgenesis

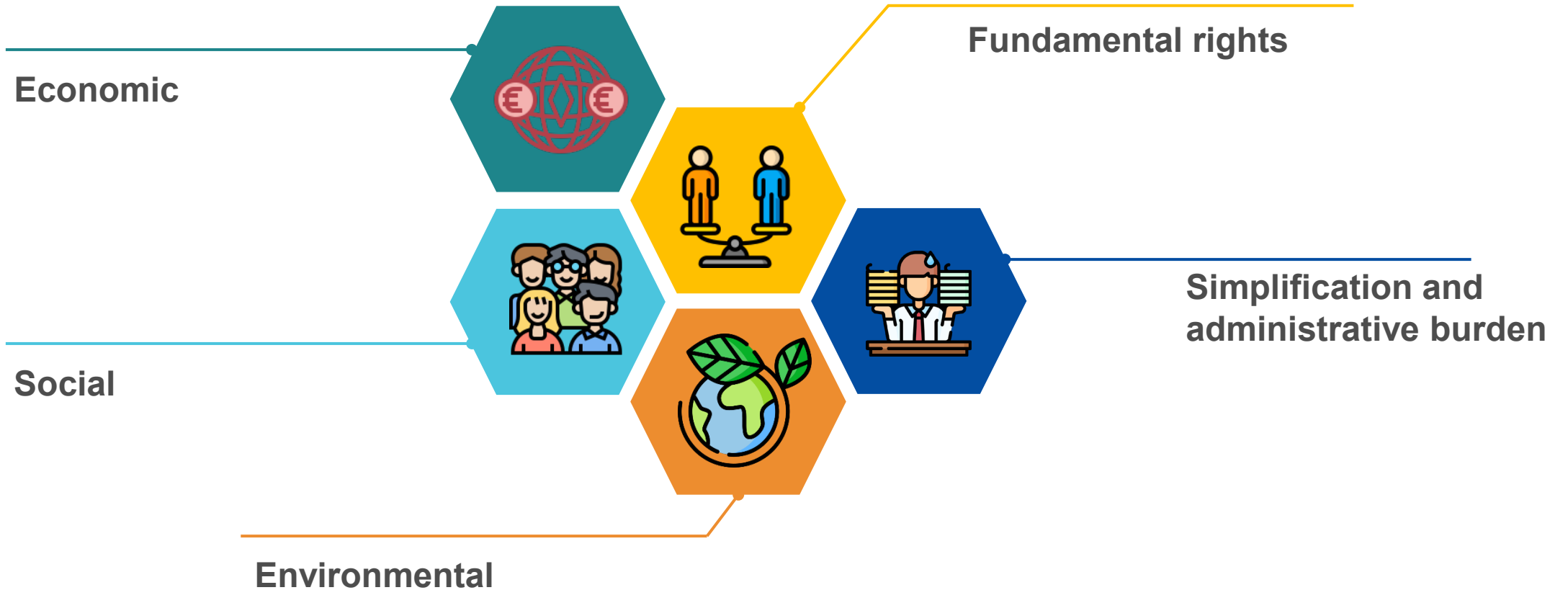
A **proportionate regulatory oversight** that:

- ✓ Maintains a high level of protection of human and animal health and of the environment.
- ✓ Enables safe plants to provide benefits and contribute to the innovation and sustainability objectives of the European Green Deal and of the Farm to Fork and Biodiversity strategies
- ✓ Enhances the competitiveness of the EU and ensures the effective functioning of the internal market

Policy elements to be considered

- ✓ **Risk assessment and approval requirements** proportionate to the risk involved in line with risk profiles and on a case-by-case basis
- ✓ A **sustainability analysis** to examine whether, and in which way, these products contribute to sustainability
- ✓ Appropriate **traceability and labelling** provisions
- ✓ Mechanisms to be able to rapidly adjust elements of the legislation and its implementation over time, as warranted by **scientific and technological progress**

Impacts to be examined



Consultation and outreach

- ✓ **High-level event “New genomic techniques – way forward for safe and sustainable innovation in the agri-food sector“, 29 November 2021**
- ✓ Discussion involving MEPs, Council Presidency, Member States, EFSA, Commission, researchers and academia, breeders, farmers, organic and GM-free sector, environmental NGOs
- ✓ 855 registered participants from over 50 countries



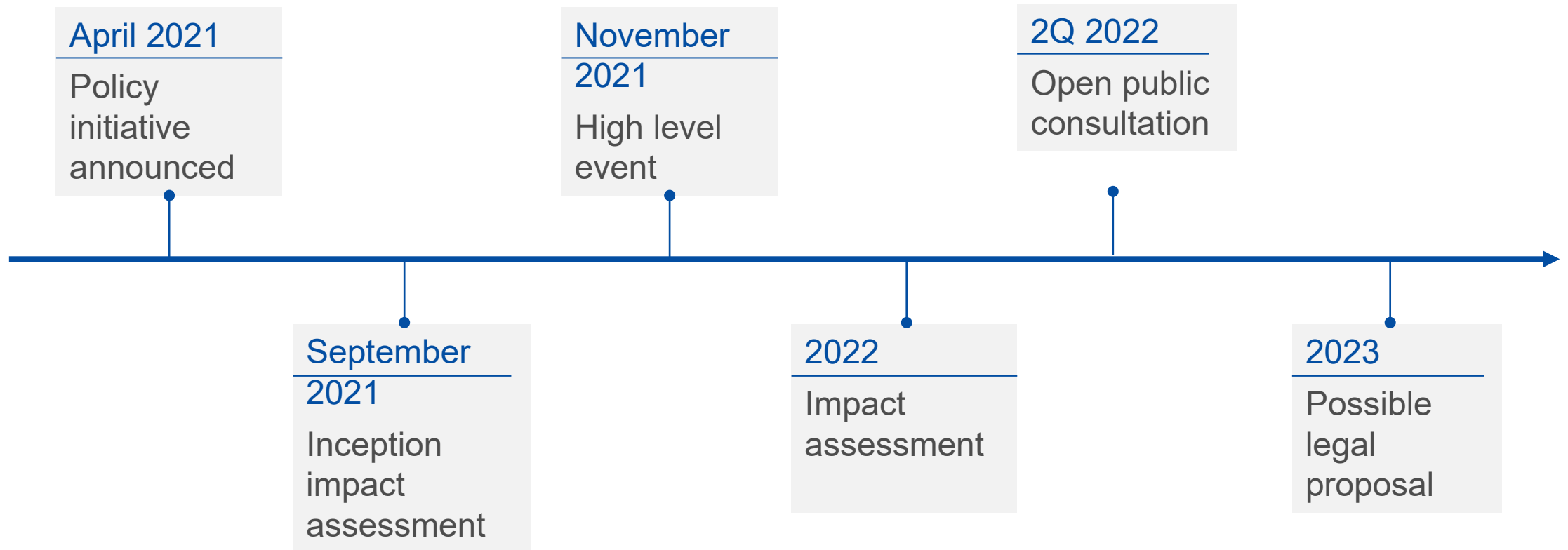
Consultation and outreach

- ✓ **Inception impact assessment (roadmap)** (open for feedback for 4 weeks, until 22 October 2021) in the Commission's 'Have Your Say' portal
https://ec.europa.eu/info/law/better-regulation/have-your-say/initiatives/13119-Legislation-for-plants-produced-by-certain-new-genomic-techniques_en
 - **70 894 contributions** received from citizens, economic operators along the agri-food chain, academia and research institutions, NGOs and environmental and consumer organisations, public authorities and others
 - Contributions originated from **91 countries**, including the 27 Member States and 64 non-EU countries

Consultation on inception impact assessment – Main topics discussed by respondents

- The initiative, its IIA, and the GMO legislation
- Risk assessment
- Sustainability
- Traceability
- Information to consumers/operators
- Liability/cost of contamination
- Intellectual property

Timeline



Thank you



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Slides 3, 4 and 9: icons, source: Flaticon.com

