



GreenIndustrialAreas



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Seminārs

***“Uzņēmējdarbības infrastruktūras  
attīstība pārejai uz klimatneitrālu  
ekonomiku”***

Interreg  
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ENERGY TRANSITION  
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Viedās administrācijas un  
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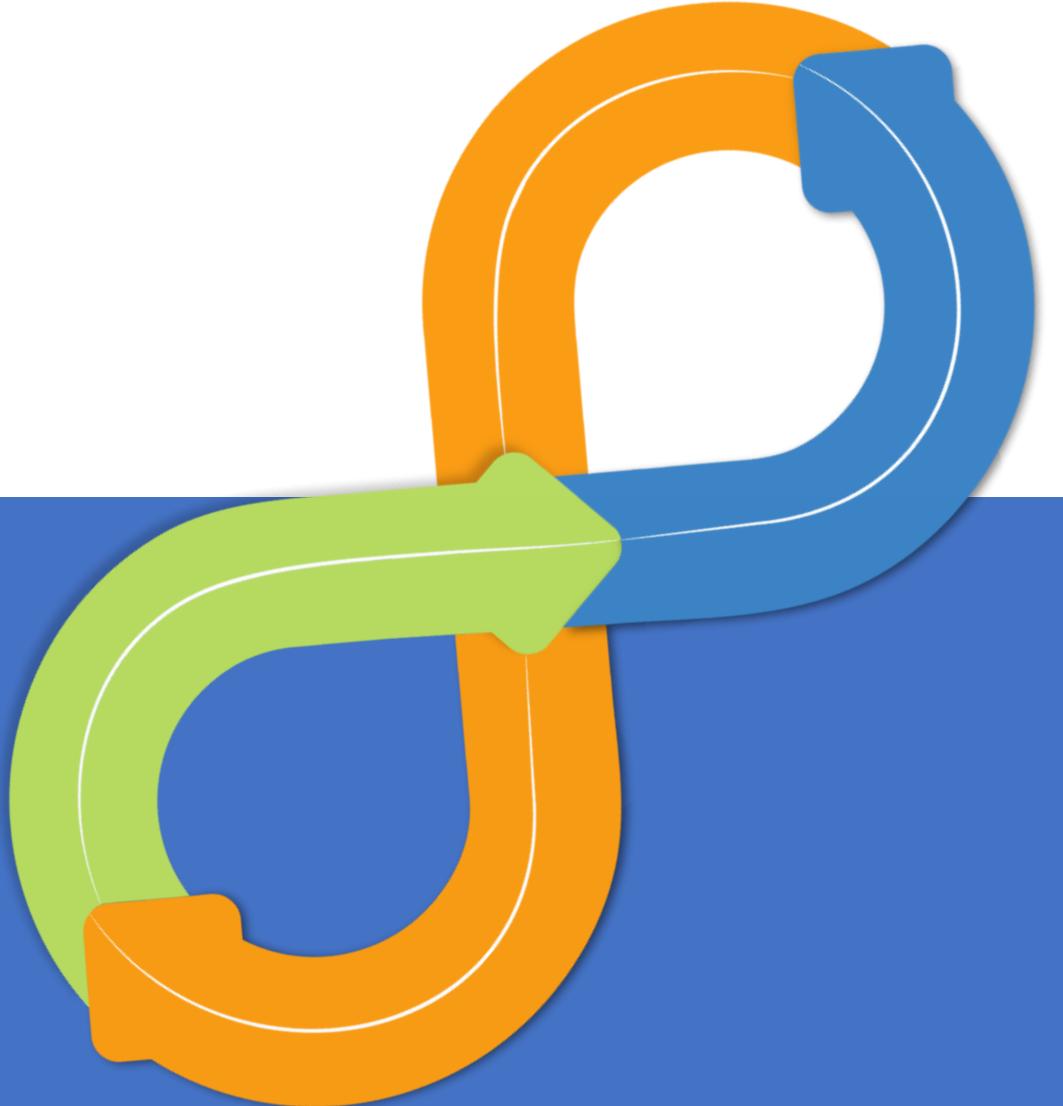


A Roadmap for Industrial Symbiosis Standardisation for Efficient Resource Sharing

# Proposal to use standards to address End of Waste shortcomings

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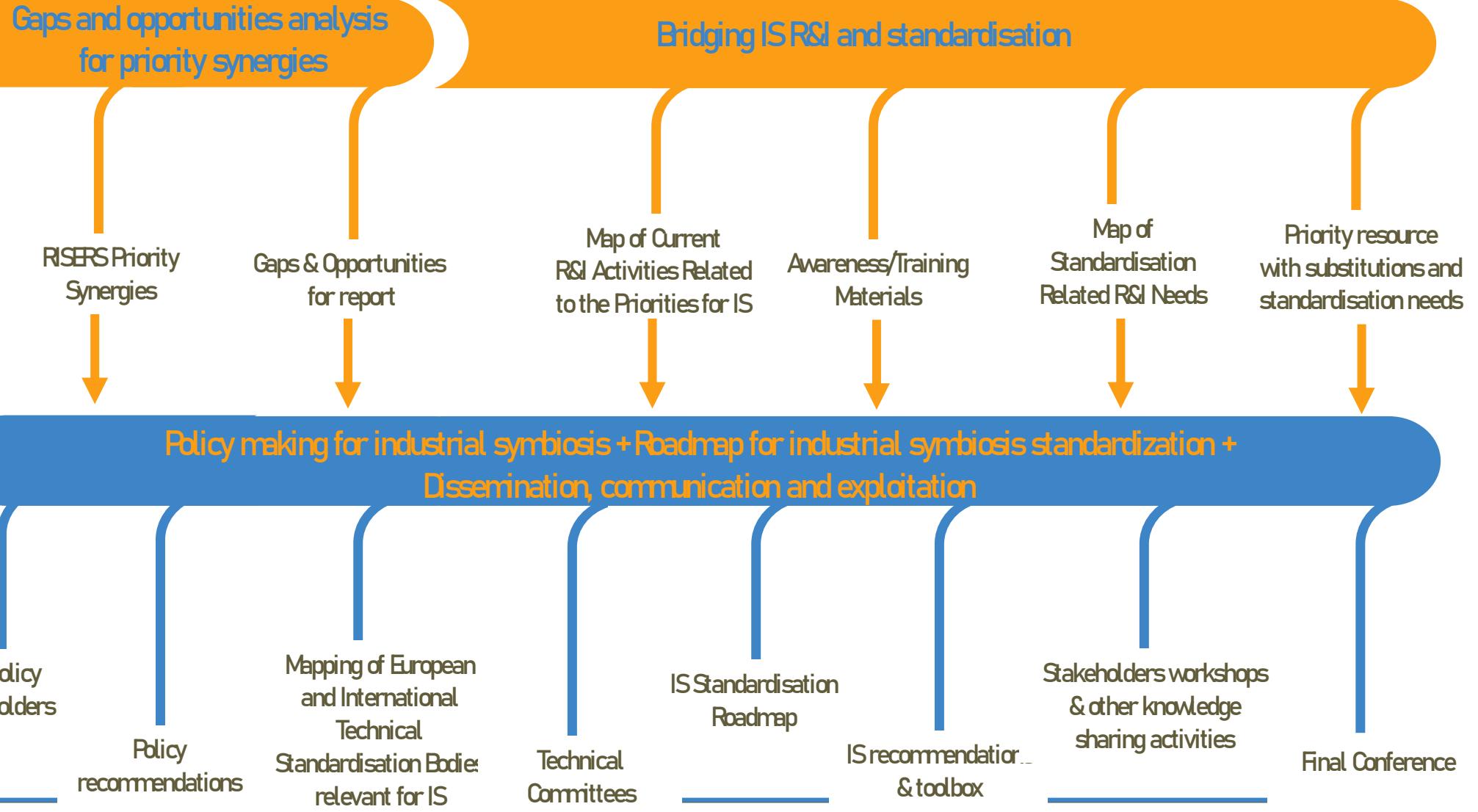
## RISERS Goal

RISERS is a Horizon Europe project aimed to provide an IS Standardisation Roadmap supporting the uptake of high impact synergies considering:

- identification of the needs, gaps and opportunities
- revision of current standards and standardisation efforts relevant for OE and the priority synergies and resources
- initiating the process of new standards development (especially for newer technologies and pilot-scale synergies).

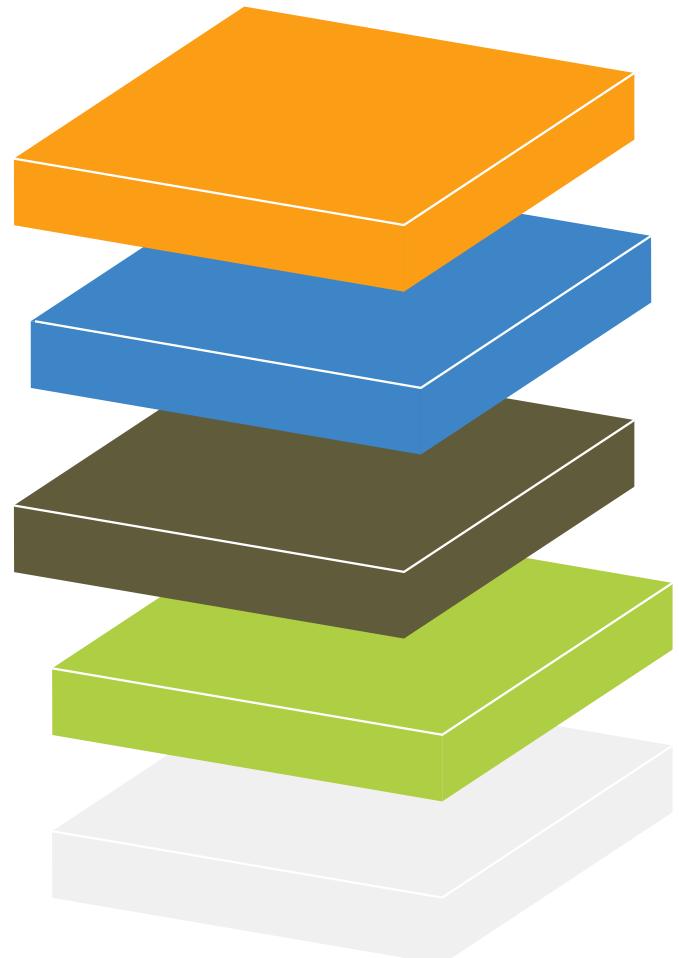


# RISERS Products and Outputs



## 5 core elements of building the IS Standardisation Roadmap

- 01 Definition of priority synergies and resources
- 02 Identification of opportunities for synergies within and across sectors
- 03 A comprehensive mapping of the existing industrial symbiosis standardisation landscape
- 04 Evidence base provided by R&D
- 05 Engagement, collective knowledge and experience of experts and practitioners from diverse sectors including industry, policy, academia, and standardisation bodies





# Replacing End-of-Waste (EoW) with Standards

- § Current EU wide EoW reach is limited
- § National members creating own, limited and divergent EoW criteria
  
- § Proposal to use Standards to increase market opportunities, while protecting human health and environment
  - § Horizontal standard to define process
  - § Vertical standards for individual materials
  - § Reference existing standards, requirements within the standard

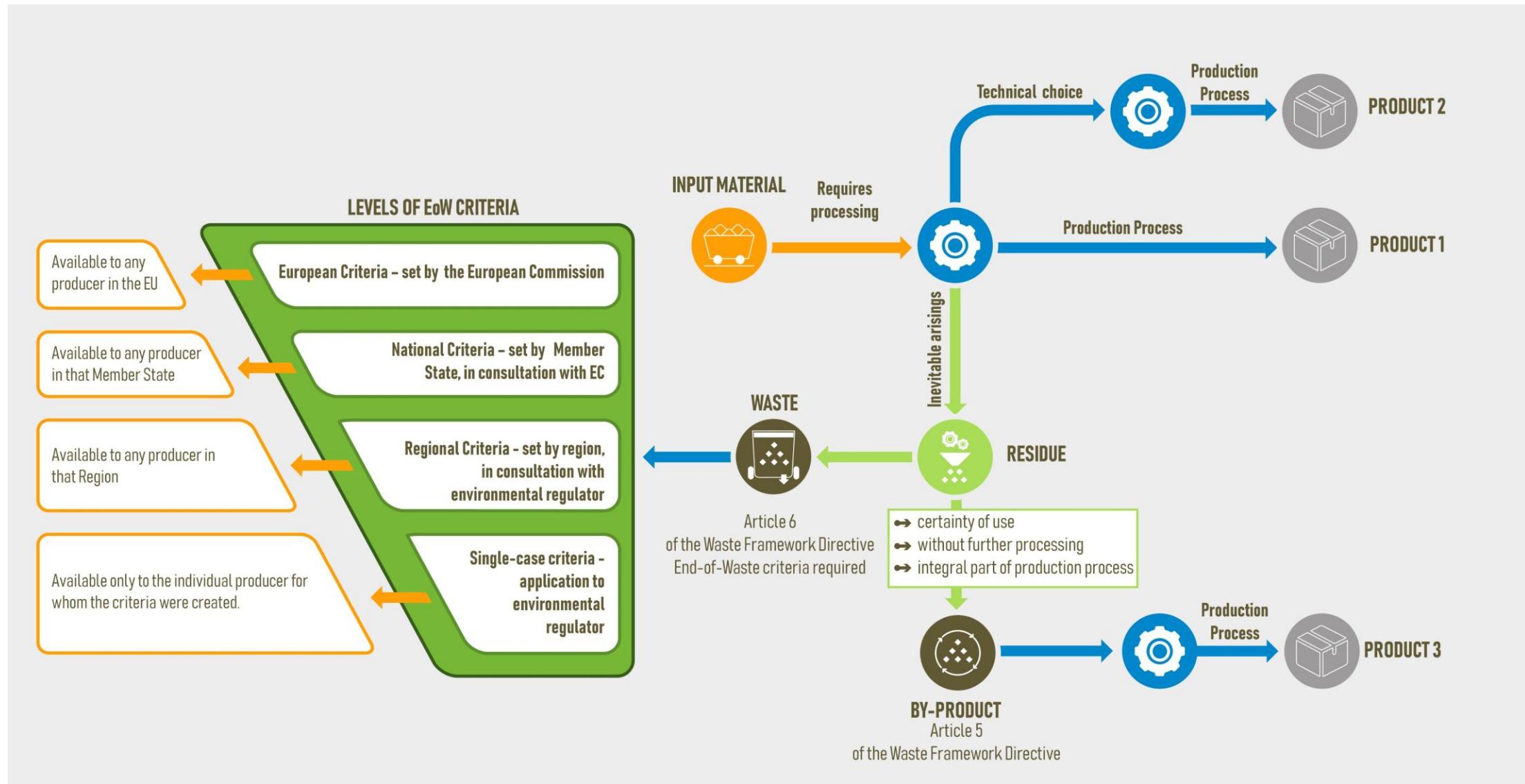


# The Single Market: our European home market in an uncertain world - European Commission

*A limited development of EU-wide end-of-waste criteria and by-product status..... has led to the fragmentation of the Single Market for waste, secondary materials and by-products*

*National or regional end-of-waste criteria have been adopted by Member States in an uncoordinated manner and are not easily recognised between Member States*

*A lack of harmonised EU definition of by-products.... impedes the circularity of production processes*





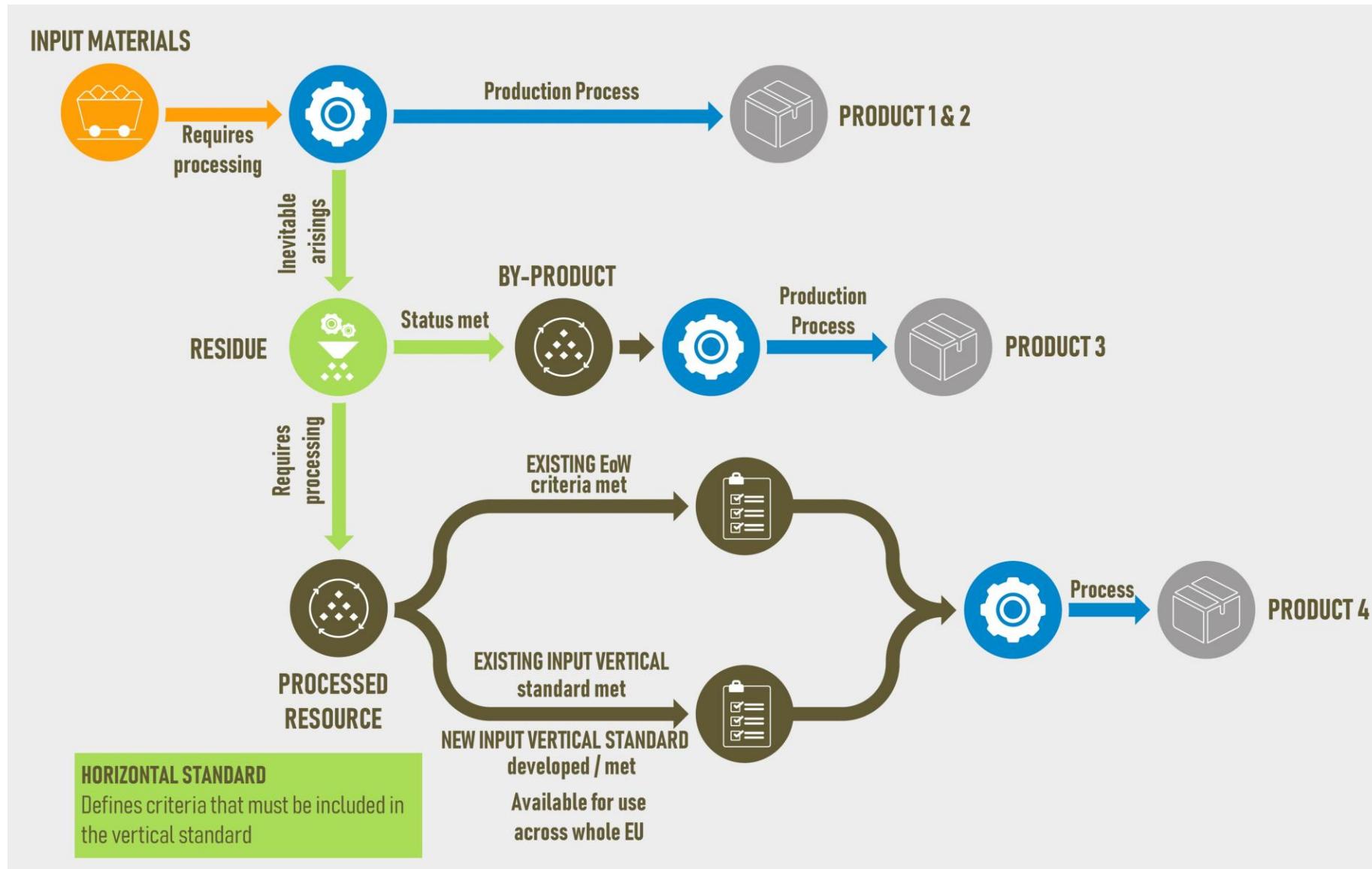
# Roadmap proposal

- § Use harmonised standards to address issues of EOW
  - § EWC codes
  - § Treatment process
  - § Quality standards to meet (product standards, specifications, REACH, POPs etc)
  - § Compliance
  - § Use and restrictions of use
- § Horizontal standard to define process
  - § Defines criteria that must be included in vertical standard
- § Vertical standards for individual materials
  - § Tailored to the individual material and its use
  - § Applicable across whole EU



## Standards as an answer

- § By referring to existing standards, the acceptance process is expected to be far quicker than the current process.
- § Enable waste to be repurposed through licenced waste treatment processes treating the waste to a level where it can meet production input standards.
- § Results in streamlining industrial symbiosis and accelerating the circular economy as new industrial symbiosis opportunities could be enacted using existing standards.





A Roadmap for Industrial Symbiosis Standardisation for Efficient Resource Sharing

Thank you



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