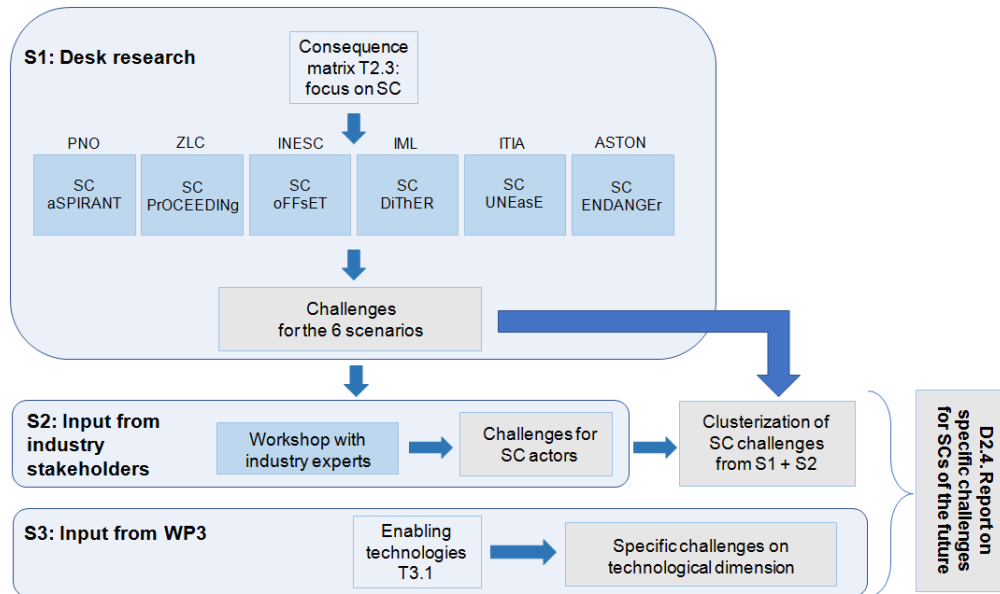


D2.4: Report on specific challenges for SCs of the future

The Deliverable 2.4 focuses on the identification of challenges that supply chains will face in future scenarios. The result of the Deliverable 2.4 provides a list of 36 challenges in 5 categories: behavioural, operational, legal, financial, and technological.

The methodology used for the identification of challenges for supply chains consists of two stages:

- Identification of challenges with the support of inputs from task 2.3 and task 3.1.
- Identification of challenges with support of Input from industry stakeholders.



Challenge #	Definition
SCH #1	Developing new collaborative SC models
SCH #2	Resource management for a circular economy
SCH #3	Sourcing complexity management
SCH #4	Developing "leaner" and more flexible SC
SCH #5	Promoting efficient and sustainable logistics in urban environment
SCH #6	Facing changes in SC due to personalised shipment
SCH #7	Organizing SC for variable and custom demand
SCH #8	Ensuring quality along the SC
SCH #9	Identifying talents in SC
SCH #10	Energy and emissions management
SCH #11	IT integration and interoperability
SCH #12	Managing IP protection issues
SCH #13	Dealing with digital-driven issues
SCH #14	Human perspective in digital transformation
SCH #15	Coping with digitalization and globalization in finance
SCH #16	Addressing problems and limitations of regulatory framework
SCH #17	Facing outsourcing complexity
SCH #18	Managing omnichannel SC and multimodality
SCH #19	Managing complex or increased information flow
SCH #20	Dealing with industry concentration and competition
SCH #21	Managing risk and disruption
SCH #22	Facing inventory and shipping problems
SCH #23	Policies
TCH #1	Lack of technology maturity/ Underdevelopment of technology
TCH #2	Improvement of energy systems and development of new power sources
TCH #3	High cost of development and implementation of technology
TCH #4	Social acceptance and awareness
TCH #5	Lack of standardization for the use of technology
TCH #6	Safety for users
TCH #7	Data Security and intellectual property threat
TCH #8	Scarce Interoperability and difficulties in integration
TCH #9	Need for specialised workforce
TCH #10	Limited production/ scalability
TCH #11	Limited reliability in technologies
TCH #12	Technology accuracy
TCH #13	Feedstock supply due to dependence of raw materials