



ResC4EU
RESILIENT SUPPLY CHAINS FOR EUROPE

Interactive Demonstrator

... for Supply Chain
Resilience



Try it now



<https://resc4eu.greentwin.app/demonstrator-4>

Overview

This demonstrator allows users to assess their company's supply chain resilience through an anonymous self-assessment that evaluates vulnerabilities and capabilities across the supply chain. Users rate their exposure to 24 vulnerability factors (natural disasters, geopolitical disruptions, etc.) and assess 41 resilience capabilities (inventory management, crisis response, etc.) on a 1-7 scale. By comparing vulnerabilities against capabilities, this demonstrator identifies gaps and opportunities to strengthen supply chain preparedness. The assessment is anonymous, privacy-preserving and provides actionable insights to improve resilience and business continuity.

The demonstrator is publicly accessible via the ResC4EU platform:
<https://resc4eu.greentwin.app/demonstrator-4>

Sample Data

This demonstrator provides predefined sample assessment data, allowing users to explore the tool without having to enter data from scratch. The sample data can also be extended with users' own assessment data. Neither the predefined sample data nor user-entered data is stored in the database. To save your assessment, we recommend downloading it in JSON format. You can save the JSON file and upload it to the platform after registering.

Data Structures

A **SampleAssessmentData** contains vulnerability and capability ratings for a complete supply chain assessment.

Field	Description
id	Unique scenario identifier
name	Scenario name
description	Brief description of the scenario profile
industry	Industry sector
companySize	Company size (SME, Medium, Large)
resilientProfile	Overall resilience classification
summary	Narrative of the resilience status
vulnerabilities	24 risk factors rated on 1-7 scale
capabilities	41 resilience factors rated on 1-7 scale
statistics	Average scores, risk level, and maturity assessment

Vulnerability Categories are grouped across five supply chain lifecycles:

Category	Factors
Supply Chain Planning	Natural Disasters, Pandemics, Geopolitical Disruptions, Technology Failures, Terrorism & Sabotage, Environmental & Market, Network Member Complexity, Cyber Attack Exposure, Concentration of Capacity, Reliance Upon Information, Infrastructure Failures
Procurement & Supply	Fluctuations in Currencies & Prices, Supplier Concentration, Limited Supplier Capacity, Skilled Labor Shortages
Production	Industrial Espionage, Social & Corporate Responsibility, Limited Production & Distribution Capacity, Workplace Safety Hazards, Product & Material Sensitivity, Industrial Accident Risk
Sales & Distribution	Competitive Innovation, Global Supply Chain
Reverse Logistics	Product Liability Claims

Capability Categories are also grouped across five supply chain lifecycles:

Category	Factors
Supply Chain Planning	Advanced Inventory Management, Dynamic Transportation Rerouting, Reserve Energy & Communications, Utility Reserve Capacity, Forecasting & Deviation Analysis, Risk Early Warning, Entrepreneurial Responsiveness, Coordinated Emergency Response, Crisis & Stakeholder Management, Resilience Recovery, Market & Geography Diversification, Supplier Network Diversification

Procurement & Supply	Supplier Relationship Management, Supplier Diversification, Collaborative Planning, Technology Integration
Production	Production Flexibility, Quality Management Systems, Maintenance & Asset Management, Safety & Health Programs, Environmental Management
Sales & Distribution	Customer Relationship Management, Market Presence

Data Consistency

Assessment data is not stored on the our servers - it exists only in the user's browser session. When you download your assessment as JSON, you retain complete control of the data.

Repeated assessments with identical inputs produce identical resilience scores and gap analysis recommendations, enabling companies to track progress over time.

About the ResC4EU Project

The ResC4EU project aims to support EU businesses, especially small and medium sized enterprises (SMEs), to become more resilient and sustainable and be able to quickly adapt to supply chain disruptions such as experienced during COVID-19 crisis, geopolitical tensions or disasters by adopting advanced technologies. ResC4EU will provide an open space for collaboration, develop and provide models and tools that can assist SMEs in detecting and anticipating disruptions in their supply chains, and offering SMEs tailored support and training programmes as part of the ResC4EU Net-Zero Industry Academies. Further, manufacturing SMEs in need of implementing advanced technologies will be brought together with tech-savvy SMEs providing innovative solutions.

For more details: <https://cordis.europa.eu/project/id/101137643/results>



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