

EU Danube Region Strategy

PA 8 LIGHTHOUSE

**SUPPLY CHAINS & FINANCE**



# ASCII

Supply Chain Intelligence Institute, Austria

# Basics

**Acronym:** ASCII

**Name:** Supply Chain Intelligence Institute Austria

**Country:** Austria

**Scoring:** 41/50

## Key Project Data:

 2023-2028

 10 Mio. €

Funded by the Austrian Federal Ministry of Labor and Economy and the State Government of Upper Austria

## Contact Persons:



Peter Klimek  
Klaus Friesenbichler  
Markus Gerschberger  
Charlotte Hofer



[info@ascii.at](mailto:info@ascii.at)



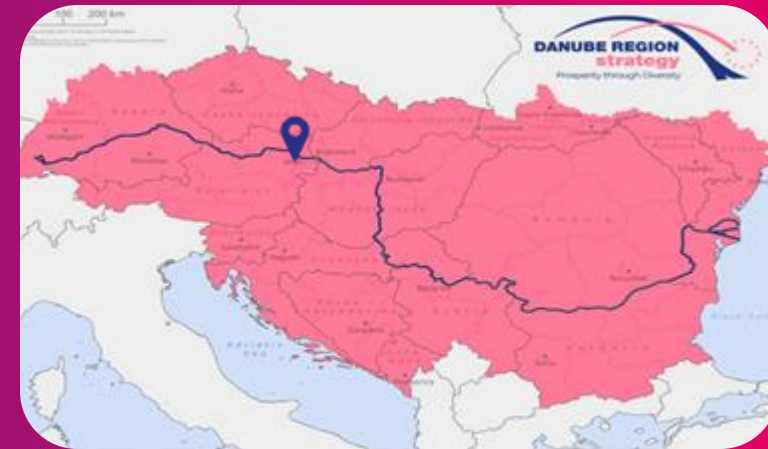
<https://ascii.ac.at/>

## Participating Institutions:

Austrian Institute of Economic Research (WIFO)  
Logistikum (logistics centre) of the Upper Austrian University of Applied Sciences

Complexity Science Hub (CSH)

Verein Netzwerk Logistik (VNL)



# About the project

The **ASCII** (Supply Chain Intelligence Institute Austria) is a research institute that is dedicated to providing analyses to better address future challenges related to value networks, strategic interdependencies, and ensuring production and supply security.

## Aim:

provide decision-makers in politics, administration and industry with a solid basis for achieving the **Austrian and European goals of secure value creation and environmental neutrality**

- Only research institute in Europe that **analyses complex production + logistics networks** in a holistic, data-based + interdisciplinary way
- Only supply chain research institute that **combines data and network science, economics, management science, and logistics** to develop cutting-edge data-based **analytical tools**

# Activities



**early warning systems & scenario analyses/study publications**

→ to make vital supply chains resilient and increase supply security - in Austria and Europe



ASCII creates the first **reliable data basis** for making **supply chains visible, controllable and sustainable**

→ Only 6% of companies know their entire supply chain, and less than 1% of global supply relationships have ever been monitored



**supports policymakers and companies** with specific **risk analyses and tools**

→ to implement regulatory obligations efficiently and with legal certainty



# Publications

To be found here:  
[ASCII Publications](#)



Potential Future Pathways  
in the Battery Supply  
Chain – An Upper Austrian  
Perspective

Paper  
16 June 2025

read →

Global Demand and  
Supply Elasticities and the  
Impact of Tariff Shocks

Policy Brief  
15 April 2025

read →



Adaptive Shock  
Compensation in the  
Multi-layer Network of  
Global Food Production  
and Trade

Paper  
5 November 2024

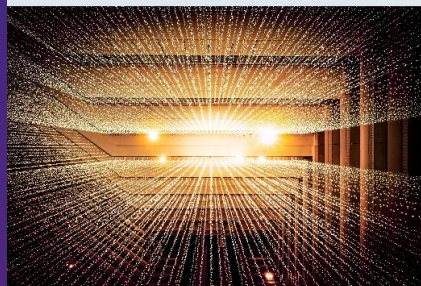
read →



Cost-Effective Big Data  
Orchestration Using  
Dagster: A Multi-Platform  
Approach

Paper  
22 August 2024

read →



Intangible Capital as a  
Production Factor: Firm-  
Level Evidence from  
Austrian Microdata

Paper  
8 August 2024

read →

Green Steel Production:  
Scrap Becomes a  
Strategic Resource

Paper  
20 June 2024

read →



## Added value

ASCII provides **data-based orientation** for decision-makers and industries to **support supply security, location strategy** and **crisis prevention**, thus strengthening the strategic ability to act for **resilient, sustainable and competitive economic structures** in **Austria and Europe**.

## Methodology

Through **interdisciplinary knowledge** from data and network science, international economics, management science, logistics and supply chain intelligence **ASCII processes** millions of **data points** - from trade flows to corporate networks - using AI-supported network analysis, real-time early warning systems and scenario modeling.