
VCG.AI

Circularity at scale

Milano 14.2.2023



European Commission Report Reveals an Alarming €465 Billion in Excess Material Management Costs for Companies



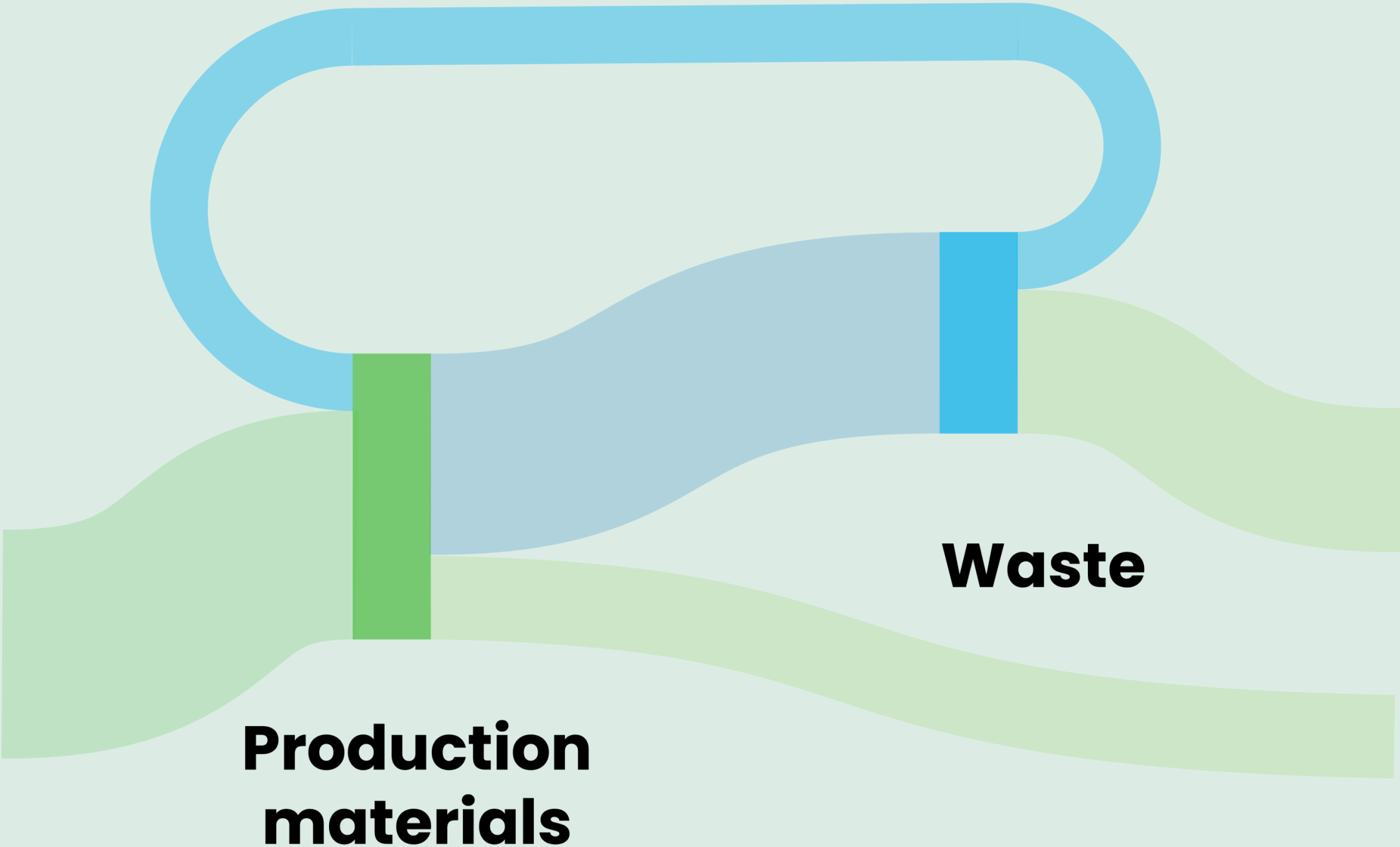
12% of production materials come from circular sources

90% of biomass used in EU is freshly extracted and processed every year

58% of all production resources are wasted

70% of GHGE are linked to material extraction, handling & use

30% of production resources turn to useful end-products



Sustainability and circularity reporting from 2025

- ✓ Signals a transformation of value chains
- ✓ Companies prioritizing sustainability and circularity will lead the way to long-term success and set themselves apart in a competitive market

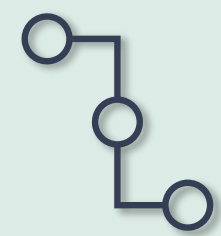
**€486 Billion
by 2030**

Investment in sustainability for
European industry & agriculture

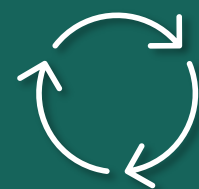
Europe invested billions in advanced circular bioeconomy technologies that are not known to companies and regions

VCG.AI suggests best technologies and value chains for implementation on two levels:

Company level

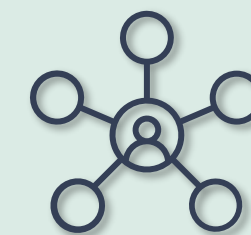


Circular
process
optimization



On-site waste
stream
reprocessing
& new value
chains

Multi – Company level

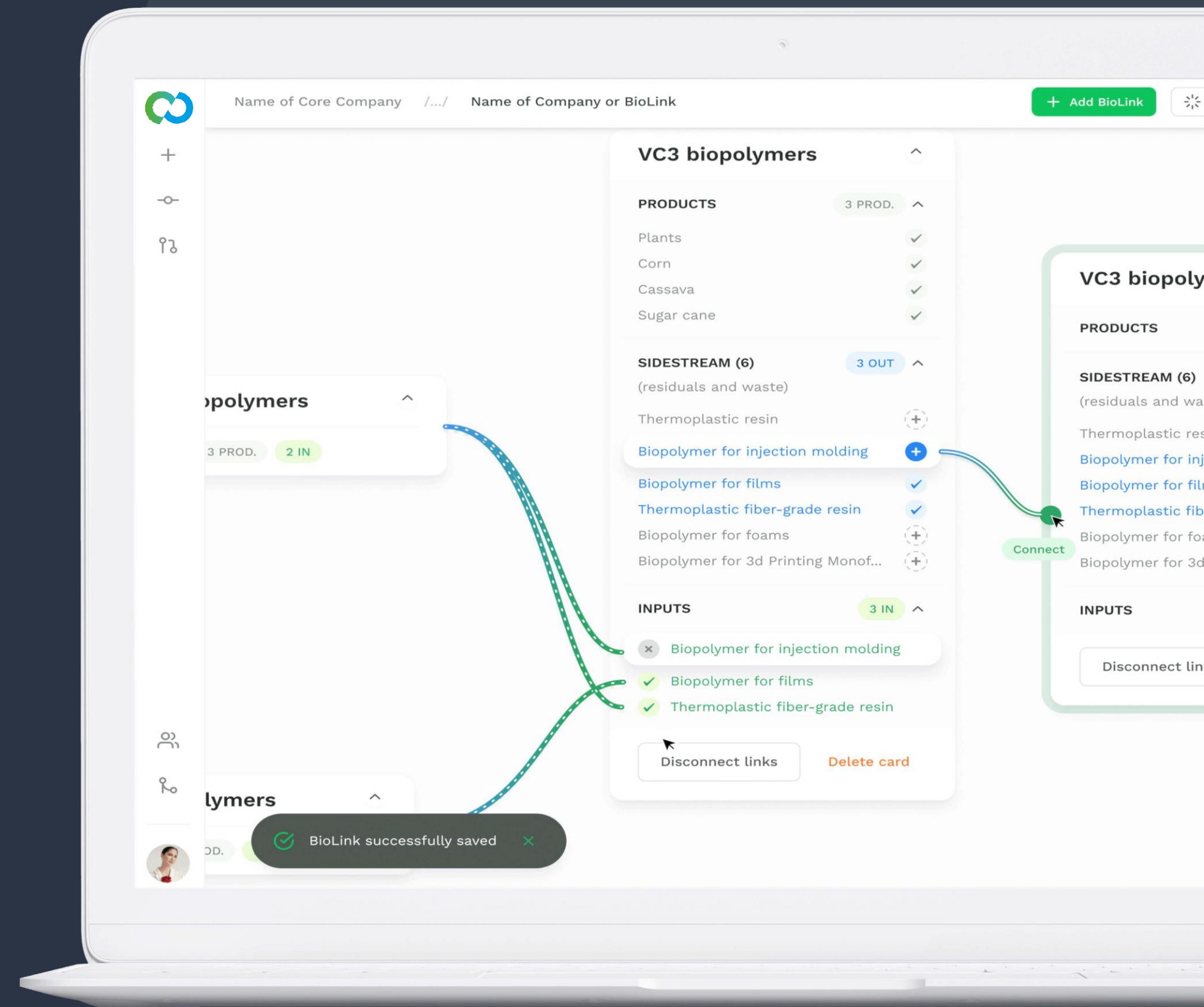


Infrastructure:
reprocessing
for multiple
companies

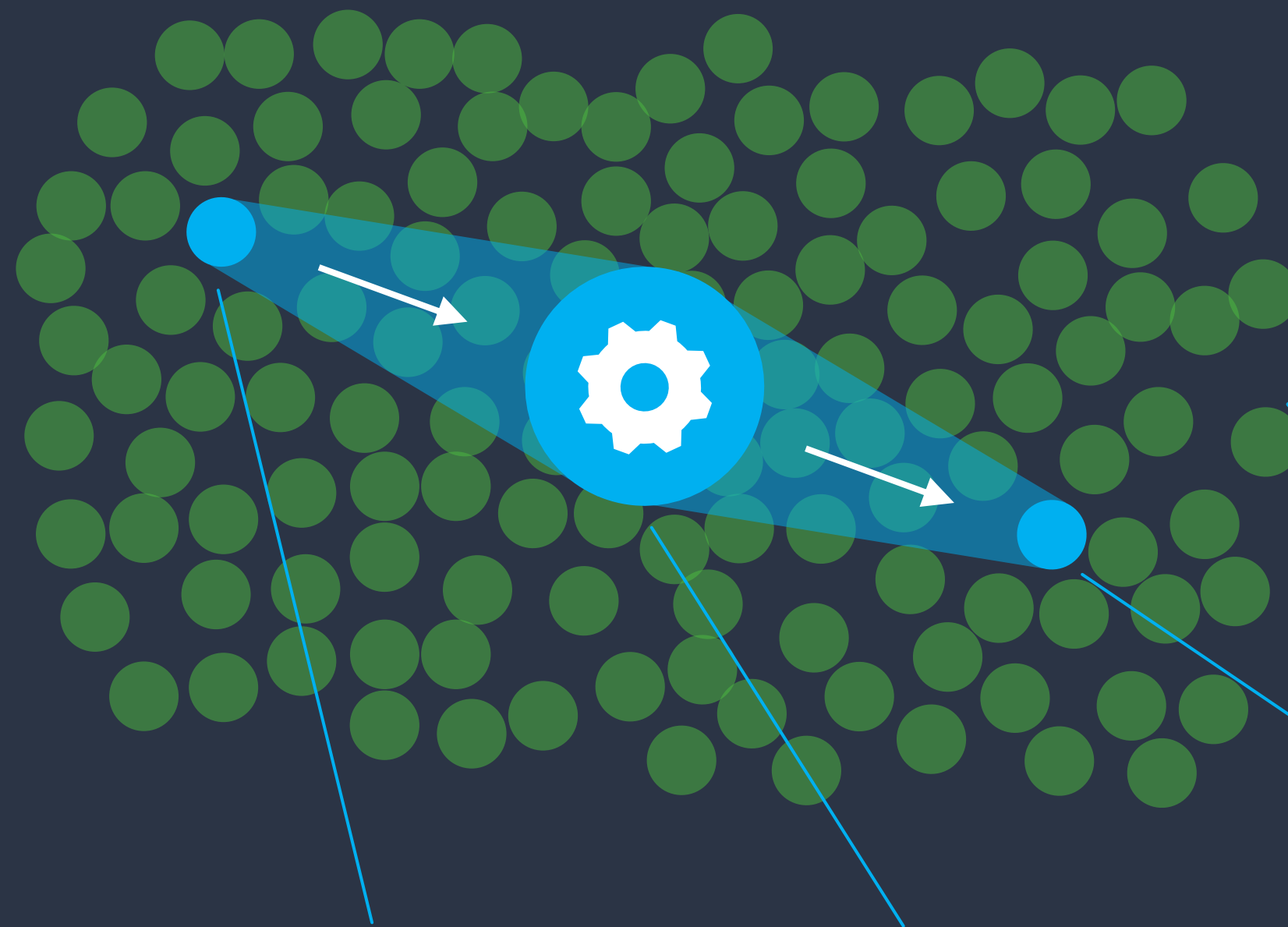


First of a kind AI & Big Data platform
to help companies and investors find
the best net-zero technologies, value
chains and partners AT SCALE

Millions of companies
+400 BioLinks
+100 Technologies



Outflow, tech and inflows – all matched together through AI and big data analytics



Vast amount of data available on each company:

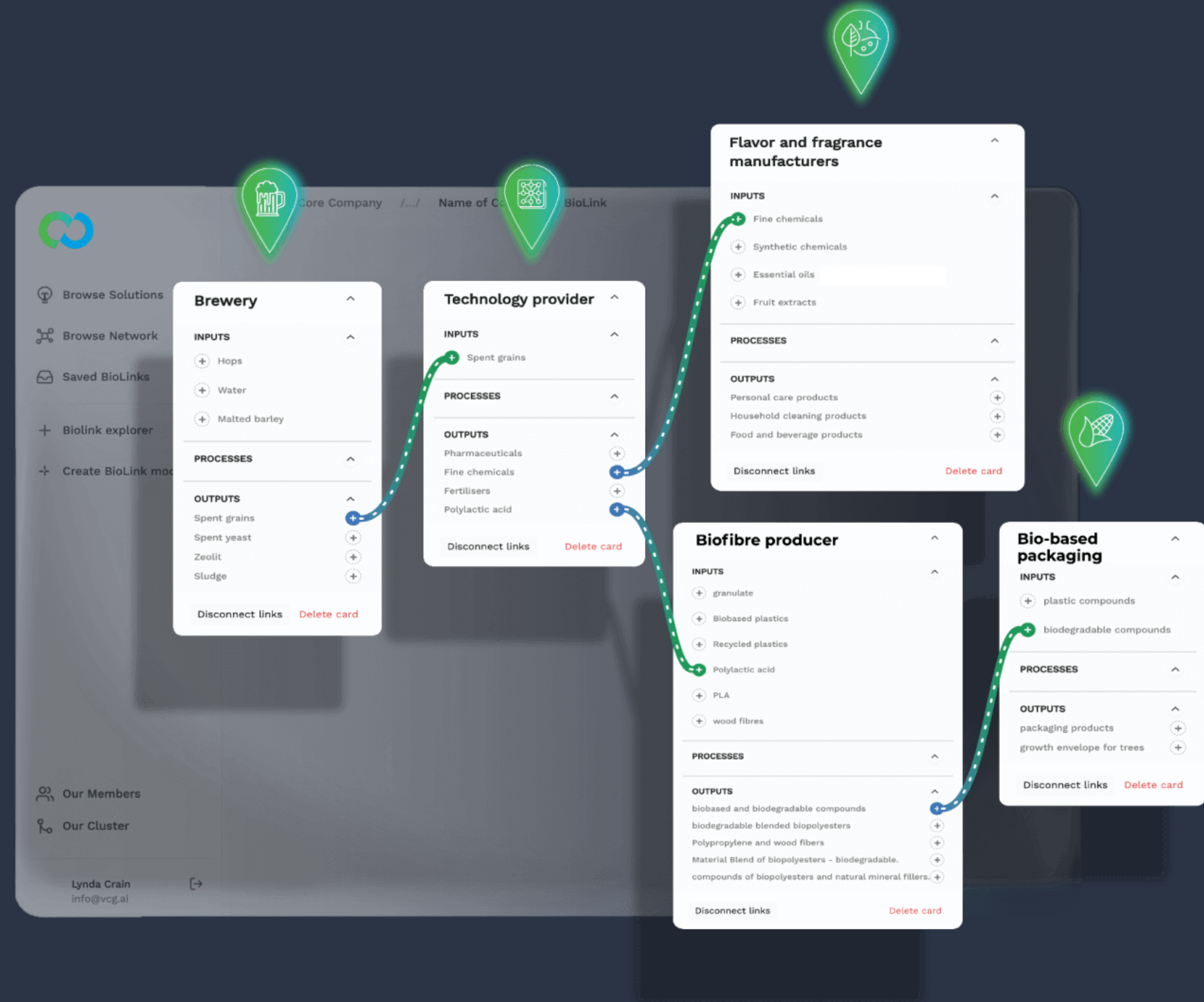
- Yearly reports
- Production reports
- Public filings
- Web content
- ESG strategy
- ESG reports
- ...

BioLink™ = Outflow stream + technology + inflow stream

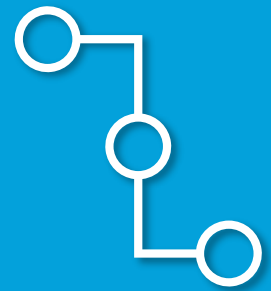
BioLinks

AI-GENERATED CIRCULAR VALUE CHAINS, SPECIFIC TO EACH COMPANY AND LOCATION

- ✓ Select a **BioLink model**
- ✓ Find potential **local partners**
- ✓ Find the **technology providers**
- ✓ **Compare RoI and CO₂ footprint**
- ✓ **Request support for implementation**

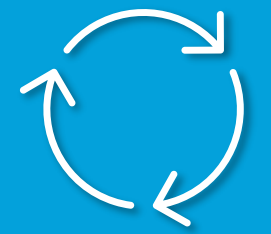


VCG.AI for Cluster, business support organizations & companies



Identify the best circular solutions

- ✓ Cross-sectoral and cross-regional
- ✓ Prioritization
- ✓ Circularity assesment



Support implementations

- ✓ International network of experts & engineers
- ✓ Progress monitoring

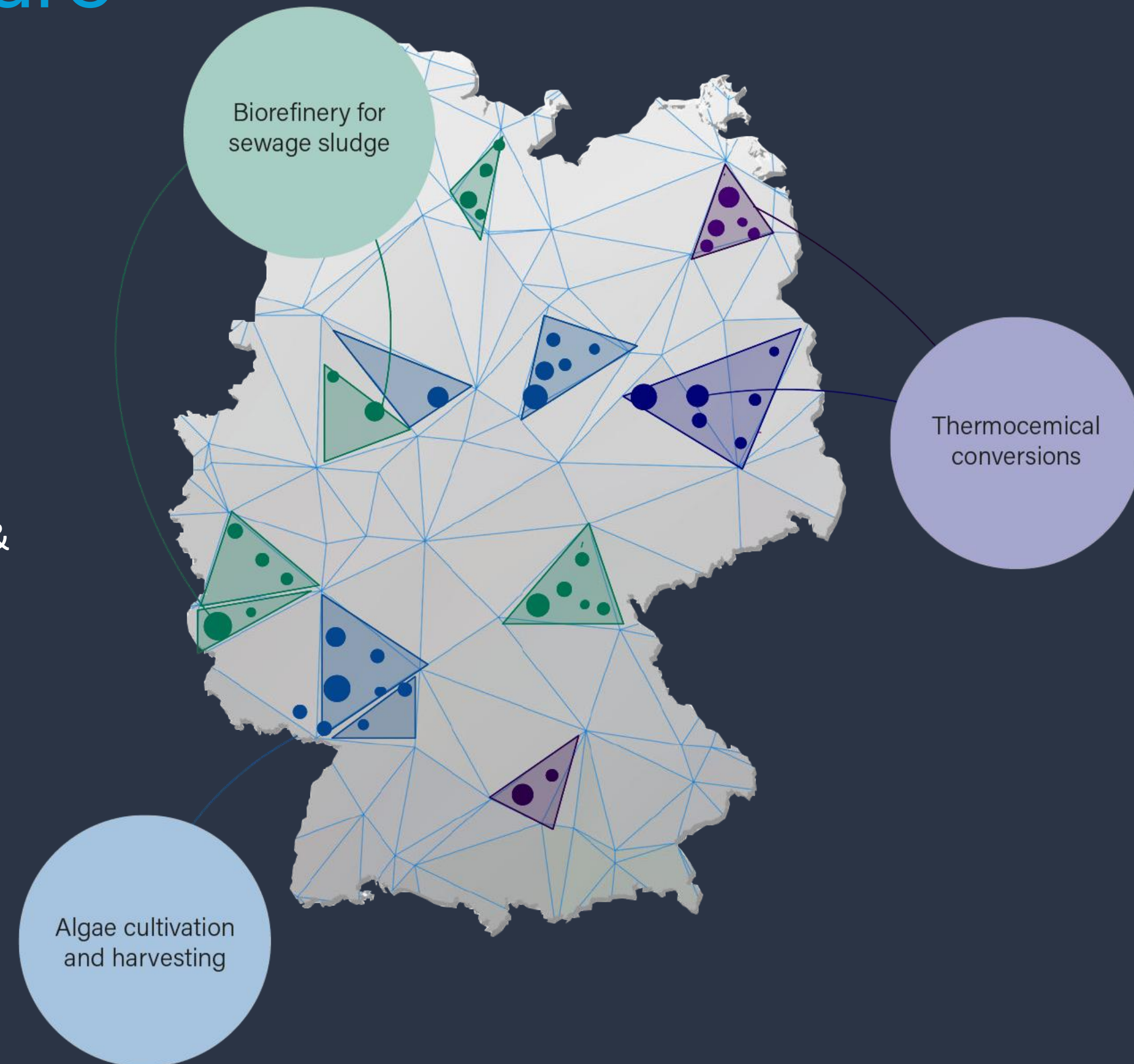
VCG.AI for regional developers and investors: Plan Bioeconomy infrastructure

Data driven regional bioeconomy investments

Find the gaps & close the loop

- ✓ Data analysis of the local industry, existing infrastructure and material flows in each region
- ✓ What is missing in the ecosystem to accelerate the development & implementation of bioeconomy?

Develop R&D projects, policies and investments based on real data!



Examples of projects

REGIONAL / National

Cross Regional / Macroregional

Companies and Large scale infrastructure

Germany, Serbia

- Data and analytic infrastructure for regional bioeconomy projects

Saudi Arabia

- Deployment of circular solutions for textile industry
- Deployment of advanced circular technologies in agriculture and food processing

Alpine Space, Danube Region and Mediterranean

- Deployment of circular value chains
- Support green investments with inclusion of financial institutions
- Development of assessment scheme to support green investment and reporting

Brewery, Dairy, Textile

- Circular value chain blueprints
- Investment plan
- Execution

Let's talk & accelerate Bioeconomy in Italy!

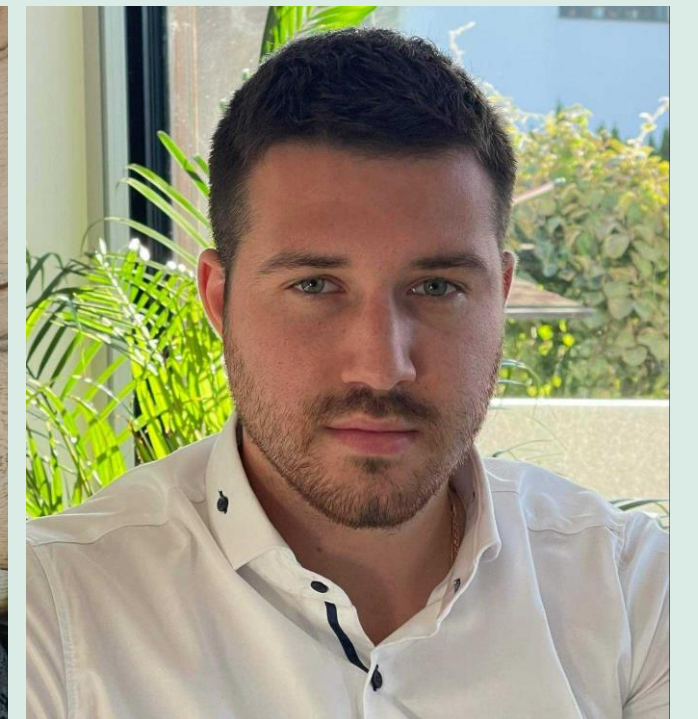
With you today:



Jon



Miha



Gašper