



Smart data platform for the
development of circular industry



To reach Net Zero climate goals, we must reduce the climate impact of the industry & food systems, through



REGIONAL SOLUTIONS

with positive climate impact
and profitable business
models



PUBLIC & PRIVATE INVESTMENT

To facilitate the development
and deployment of the right
solutions



TECH DEPLOYMENT

To enable the
decarbonisation of the
industry

Value Chain Generator® Unlocking circular industry opportunities using data

A digital data platform that leverages advanced data analytics to find, validate, and develop profitable and sustainable circular business models.



Reduced CO2 footprint



Reduced waste & better utilisation



Reduced water use & waste

+3.5 Million

Companies in the database

+400

Circular value chain solutions

8 Countries and expanding

- Germany
- France
- Austria
- Switzerland
- Slovenia
- Italy
- Serbia
- Croatia



Circular regional industries

 **vcg.ai**



Circular supply chains

The Value Chain Generator approach



INTEGRATE DATA

on companies operating in the network & region



DETECT

hidden potentials to uncover circular opportunities



VALIDATE

by collecting data on current practices & industry interest



ACTION

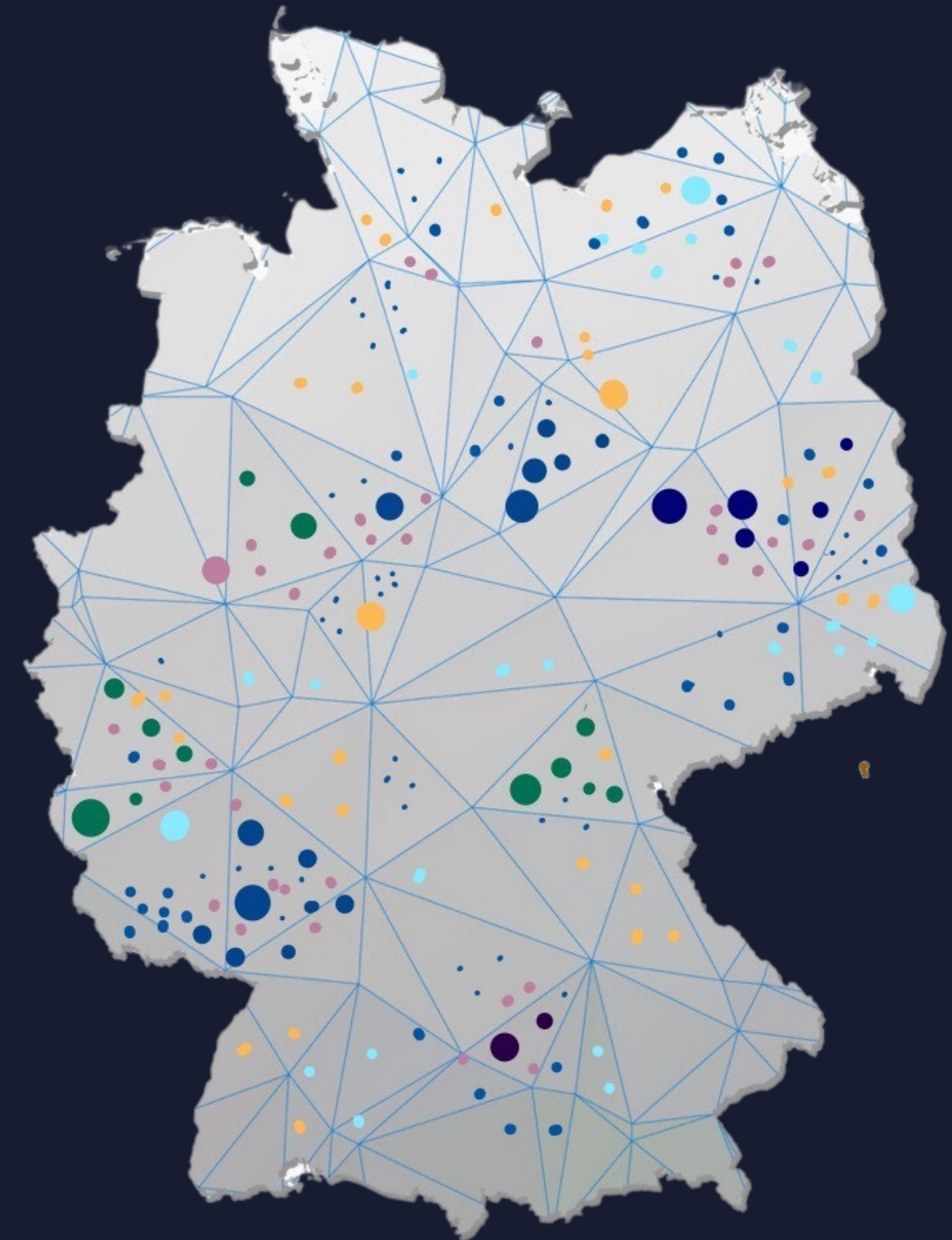
to develop the right circular business models



Data analytics of regional industries & production processes

Location-based analysis of companies and the related material flows

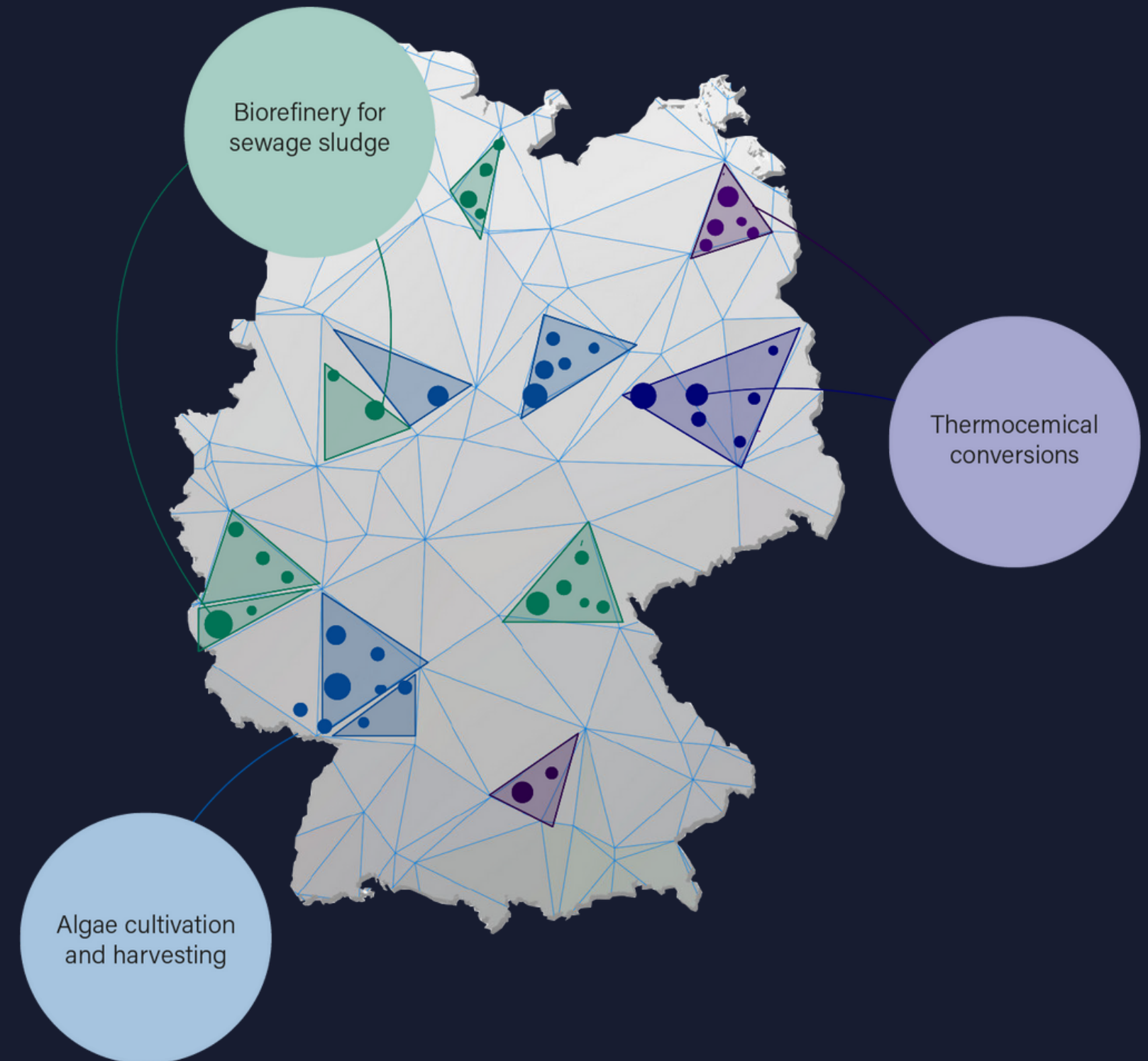
- Most important industry sectors and potential feedstock providers
- Who does what and where
- What materials do they have, and which do they need?



BioLink[®] algorithm to find opportunities for more profitable & sustainable resource utilization

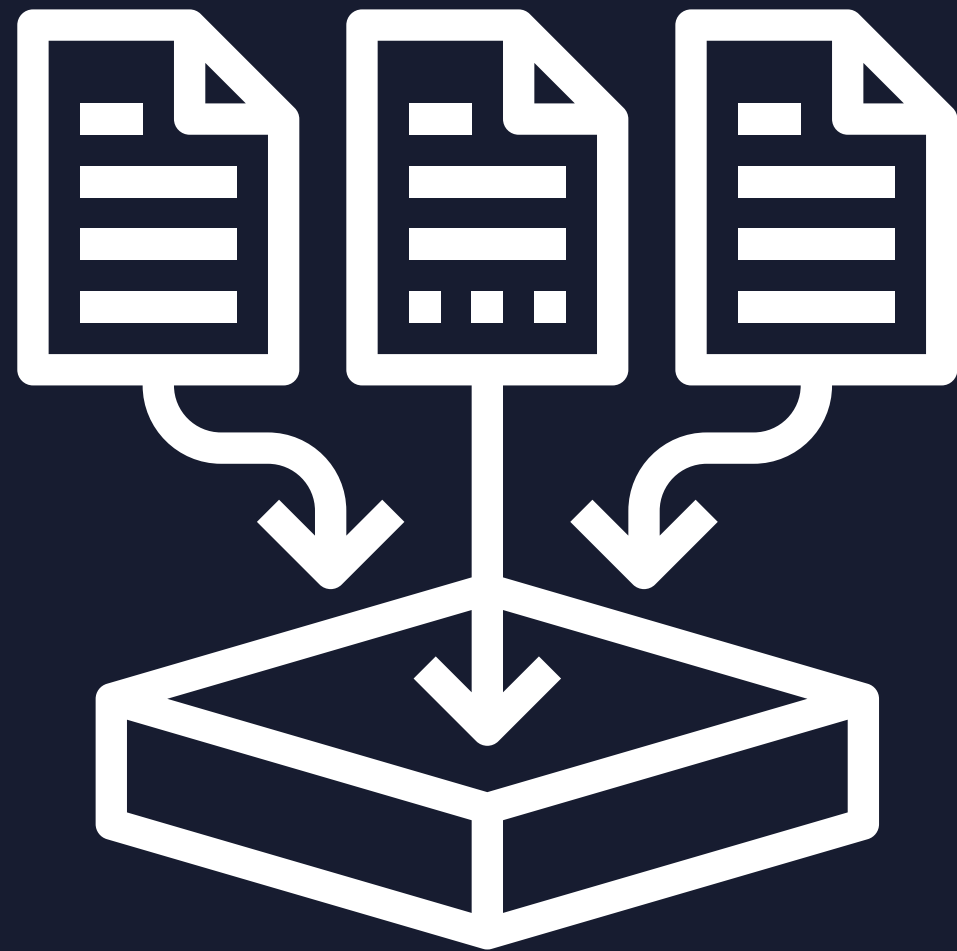
Find & evaluate the potential circular business models and technologies

Define circular opportunities with the highest market and impact potential in the region



Actions to validate and develop chosen opportunities

Securely collect data to validate the chosen circular opportunities (material flows, current practices)



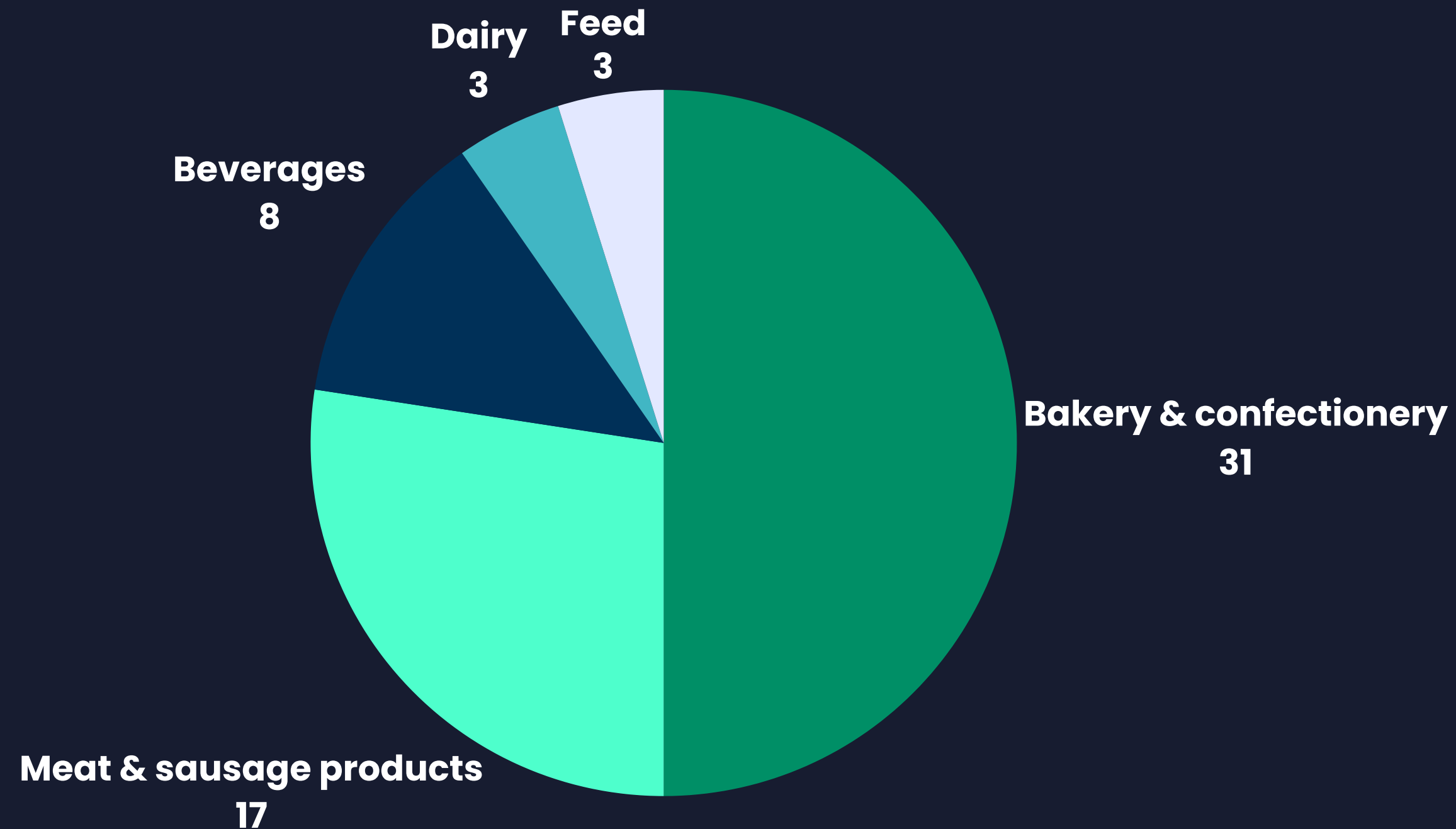
Connect with R&D, technology & financing partners to bring project concepts towards implementation



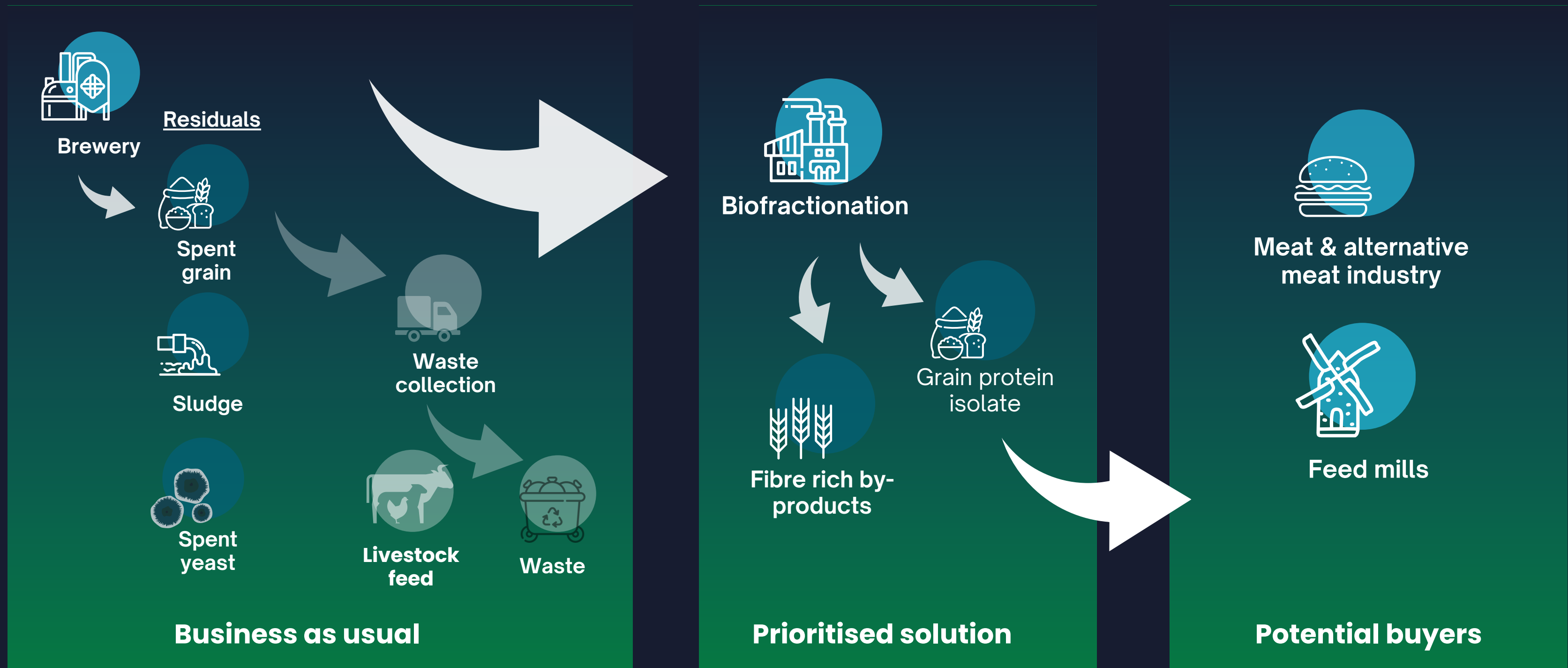
CASE STUDY: UPPER AUSTRIA REGION

**How Value Chain Generator supported Upper Austrian Cluster
to advance circular bioeconomy in the region**

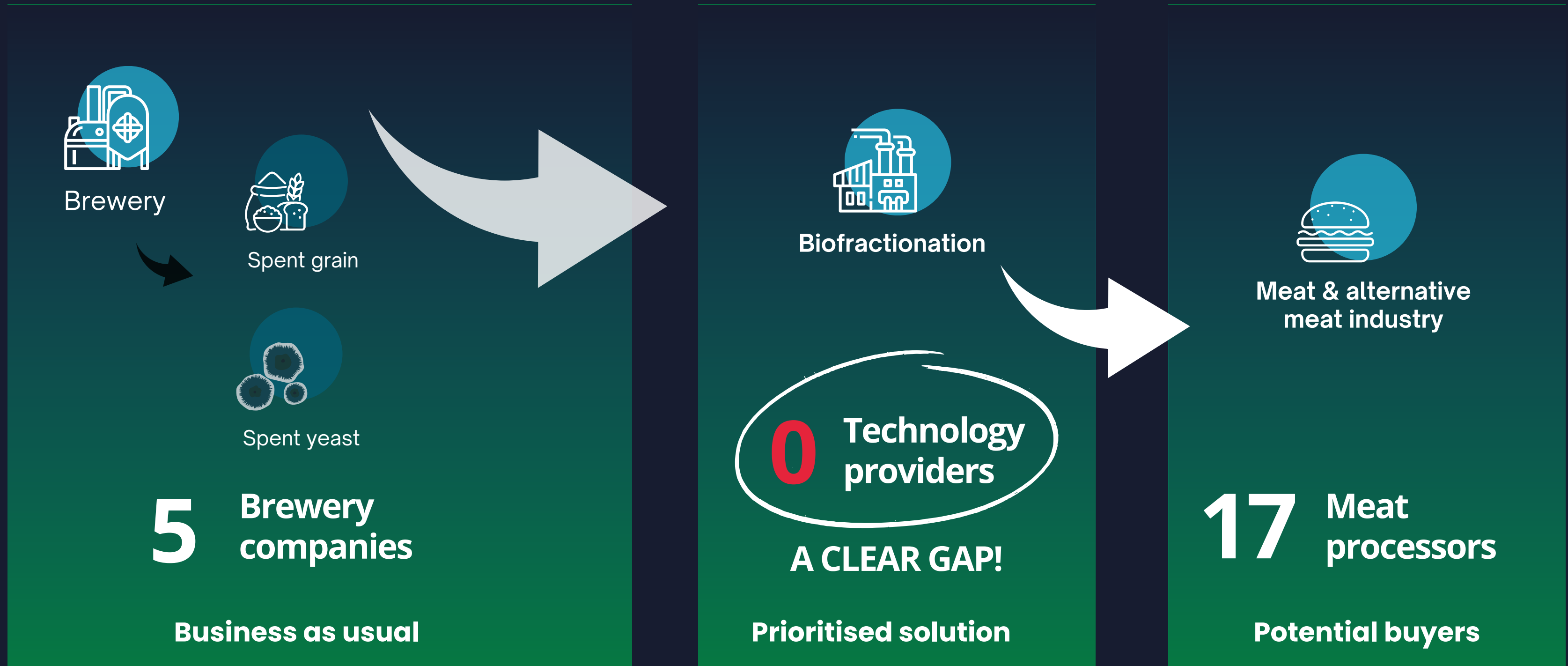
Data Analytics: Industries in the Upper Austria region with the circular bioeconomy potential



Discover and Evaluate: Austrian brewery residuals to produce alternative high value feed protein and fertilisers



Discover and Evaluate: Availability of companies in the region



Addressing the gap in the BioLink

The BizUP cluster is **missing the technology providers** for producing fibre-rich products and protein grain isolates. The right technology providers can be found in the VCG network.

Technologies from VCG network
Circular Food Solutions, Uzwil

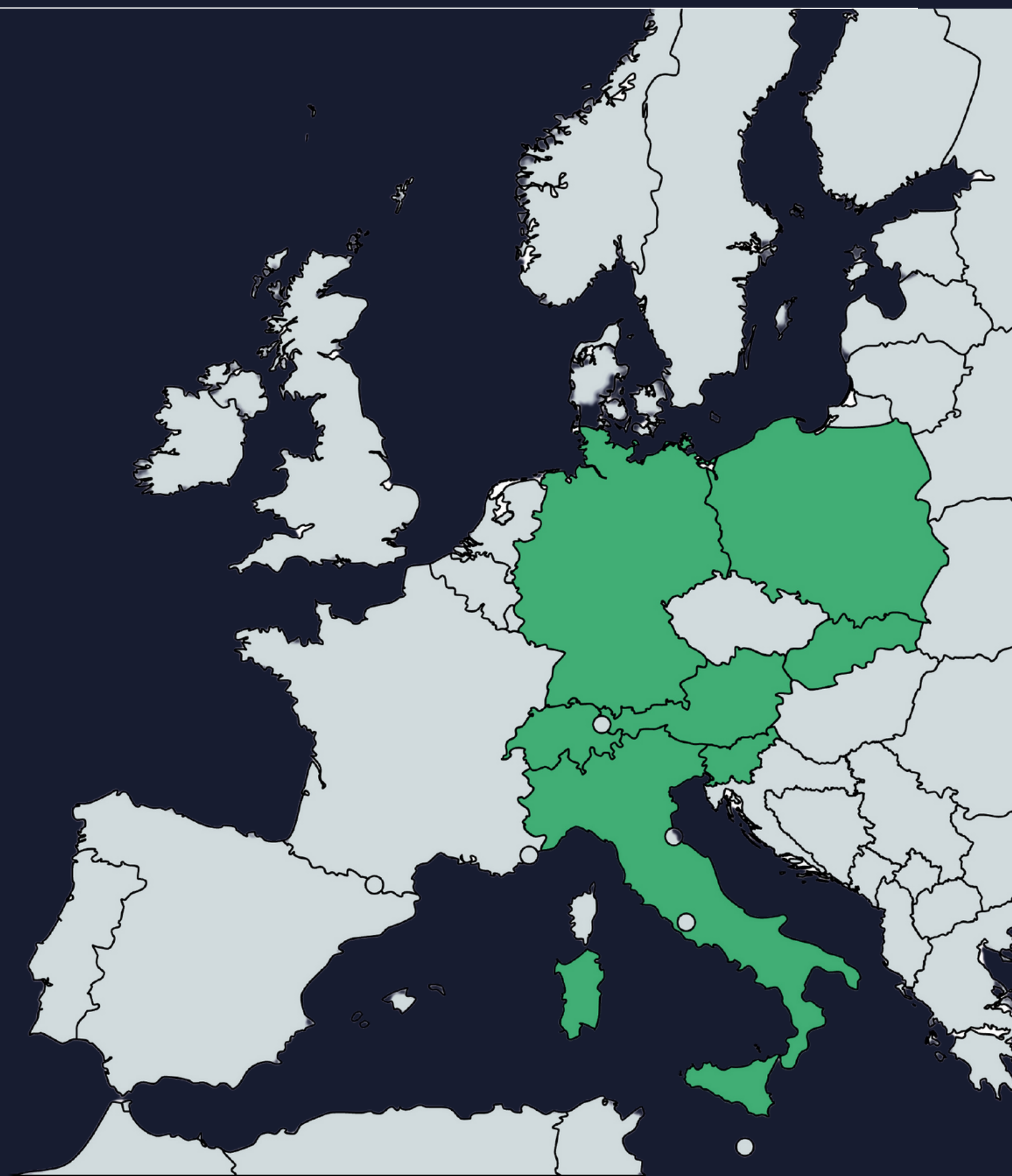
Upper Austria

By implementing this biolink model in Upper Austria, it opens up a new market for these technology companies.



Already working with Us

	BUSINESS UPPER AUSTRIA
	CHEMIE CLUSTER BAYERN
	LOMBARDY GREEN CHEMISTRY CLUSTER
	ECONOMIC DEVELOPMENT AGENCY HEILBRONN
	HEINEKEN BREWERY
	KOTO WASTE MANAGMENT





Your smart data platform for
development of circular industry!

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