

Value chain hackers

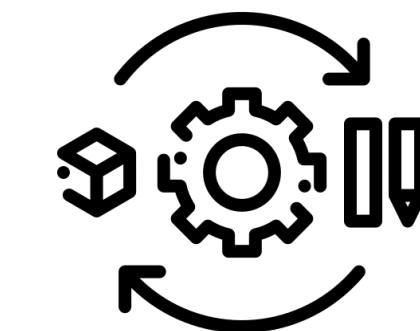
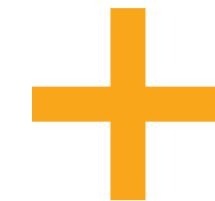
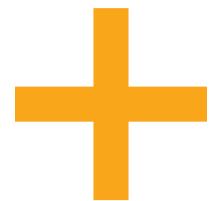
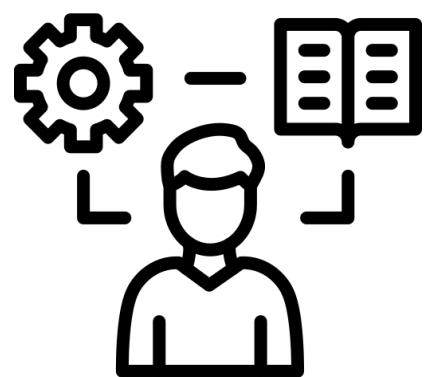
From insight to impact

Problem

- **Wicked problems** in supply chains need **solutions** that are
 - Socially and environmentally impactful and innovative
 - Financially viable
 - Scalable in practice
- Many want to **make a difference**, but lack structure and support
 - Businesses part of supply chains
 - Institutions (e.g. Governments, certification or regulatory bodies)
 - Local communities (e.g. citizens, students, NGOs)
- **No coordination nor communication** between acting parties



Our solution: a guided, applied approach



Applied learning

A 6-months program from problem to scalable solution with Theory U

Focused on real-world transformation, not hypothetical case work

Stakeholder engagement

Contact and collaboration with businesses through the program

Iterative prototyping

Mentorship and Feedback along with collective learning

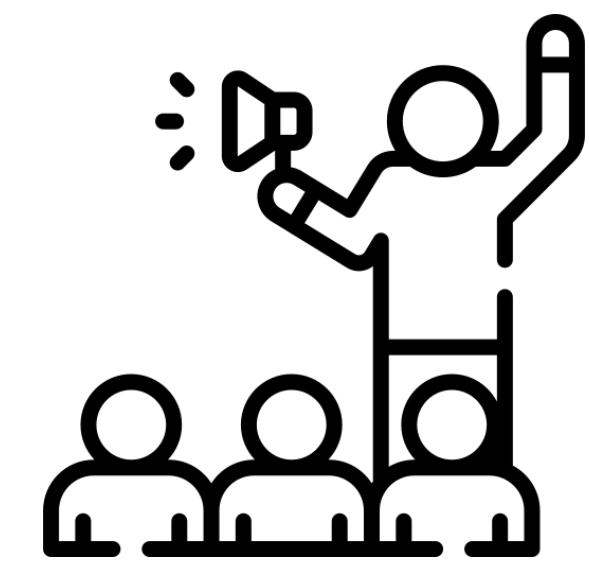
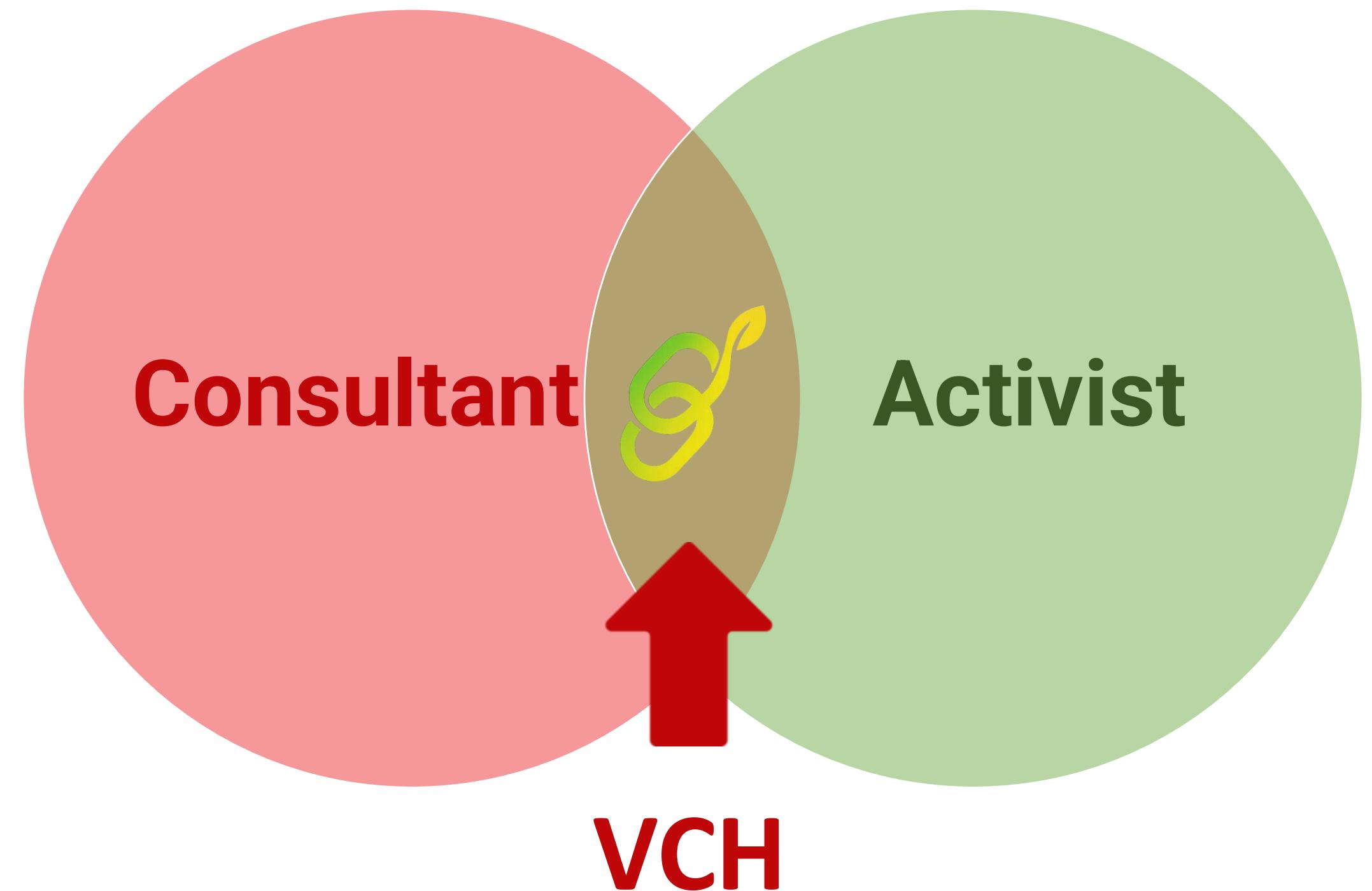
Support after the program for the best groups to bring their solutions to the market



Our hybrid identity



Structured problem-solving
Stakeholder alignment
Value creation logic
Data-driven strategy



Purpose-first thinking
Challenging the status quo
Community accountability
Moral courage & urgency

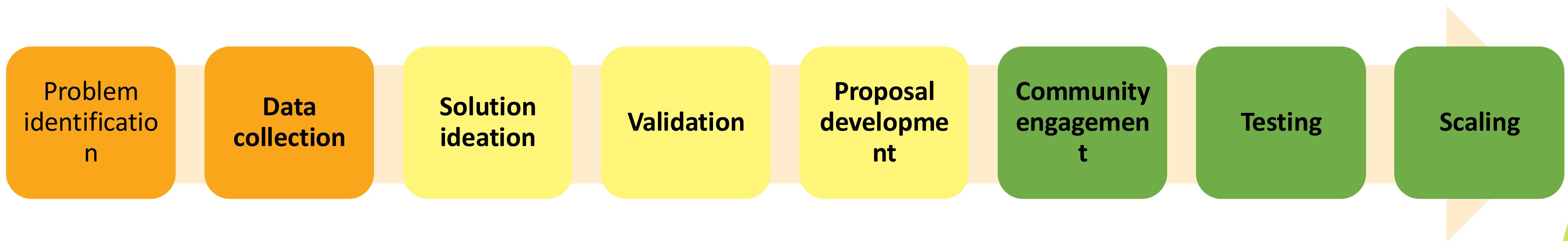


What participant work on

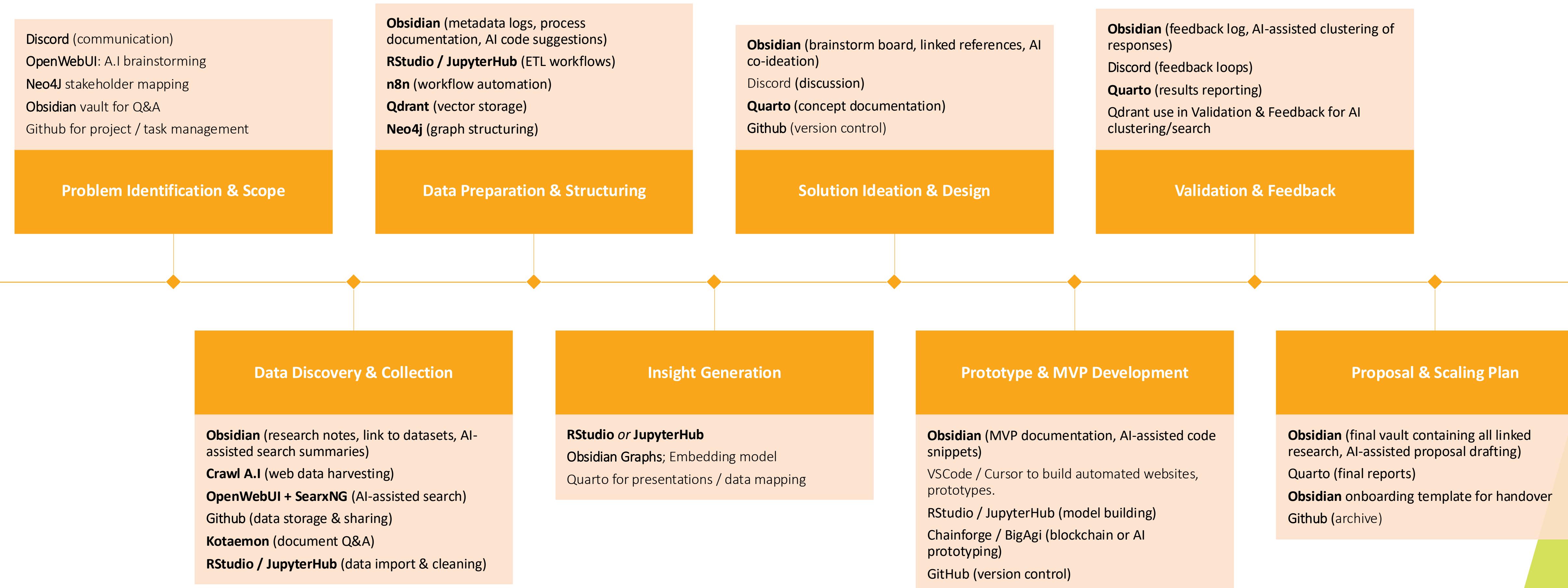
Participants pick a **problematic product or process** from one of our tracks and to come up with a **solution (impactful, viable, scalable)** to **remove the problem from the supply chain**



The 8-steps process



The process with Tools



Missing:

- Nextcloud (for large dataset hosting, secure sharing, and backups)
- Compliance checklist/template in Obsidian (GDPR, licensing, anonymization)
- Git-integrated versioning for RStudio/Jupyter/Quarto outputs (to be built by jupyterhub !)
- n8n automation flows connecting all stages



Step	Theory U / EDRM Phase	Key Activities	Relevant VCH-Infra Tools	Gaps / Needed Tools
1. Problem Identification & Scope	Co-Initiating / EDRM: Plan	- Define research questions- Identify stakeholders & supply chain actors- Initial scope & context mapping	- Mattermost (collaboration)- Logseq/AppFlowy (note-taking, knowledge capture)- Neo4j (stakeholder mapping)- Quarto (process documentation)	- Structured stakeholder mapping templates- Interactive workshop polling/ranking
2. Data Discovery & Collection	Co-Sensing / EDRM: Identify	- Collect internal & external datasets- Interview stakeholders- Harvest web data & documents	- Crawl A.I (web data)- OpenWebUI + SearxNG (AI-assisted search)- Nextcloud (data storage)- Kotaemon (doc Q&A)- RStudio/JupyterHub (data import & cleaning)	- Survey tool integration (Typeform/LimeSurvey OSS)
3. Data Preparation & Structuring	EDRM: Prepare / Ingest	- Clean, standardize, and transform data- Establish metadata & provenance	- RStudio/JupyterHub (ETL workflows)- n8n (automation)- Qdrant (embedding storage)- Neo4j (relational structuring)	- EDRM-compliant metadata templates
4. Insight Generation	Co-Presencing / EDRM: Process	- Explore data visually and statistically- Identify patterns & root causes	- RStudio/JupyterHub (analysis)- Grafana/Streamlit/Dash (visualization)- LabPlot (scientific plotting)	- Guided analysis notebooks for non-data scientists
5. Solution Ideation & Design	Co-Presencing → Co-Creating / EDRM: Process	- Brainstorm intervention options- Co-design with stakeholders- Prioritize ideas	- Work Adventure (virtual ideation)- Mattermost (discussion)- Quarto (documenting concepts)	- Structured decision-support (criteria scoring)
6. Prototype & MVP Development	Co-Creating / EDRM: Store	- Build MVP (model, workflow, tool)- Document implementation steps	- RStudio/JupyterHub (model building)- Chainforge/BigAgi (blockchain or AI prototyping)- Nextcloud (versioned storage)- GitHub/Forgejo (version control)	- Low-code UI prototyping tool
7. Validation & Feedback	Co-Creating / EDRM: Deliver	- Test MVP with real data- Gather feedback from stakeholders	- Mattermost (feedback loops)- Grafana (performance monitoring)- Quarto (results reporting)	- Integrated feedback form system
8. Proposal & Scaling Plan	Co-Actualizing / EDRM: Preserve	- Final proposal with scale-up strategy- Package datasets, methods, and results for reuse	- Quarto (final report)- Nextcloud (archive)- RStudio/JupyterHub (final scripts)- LMS Tutor (training materials)	- Automated research packaging pipeline



A 20-weeks program

Week #	Session	Duration
2	Kick-off	2 hours
4	Workshops & crash courses	Full day
5	Inspiration session #1	Half day
7	Brainstorm session	Half day
10	Roast day	2 hours
15	Inspiration session #2	Half day
18	Final check	2 hours
19	Closure	2 hours



The enabling framework

You will need to...

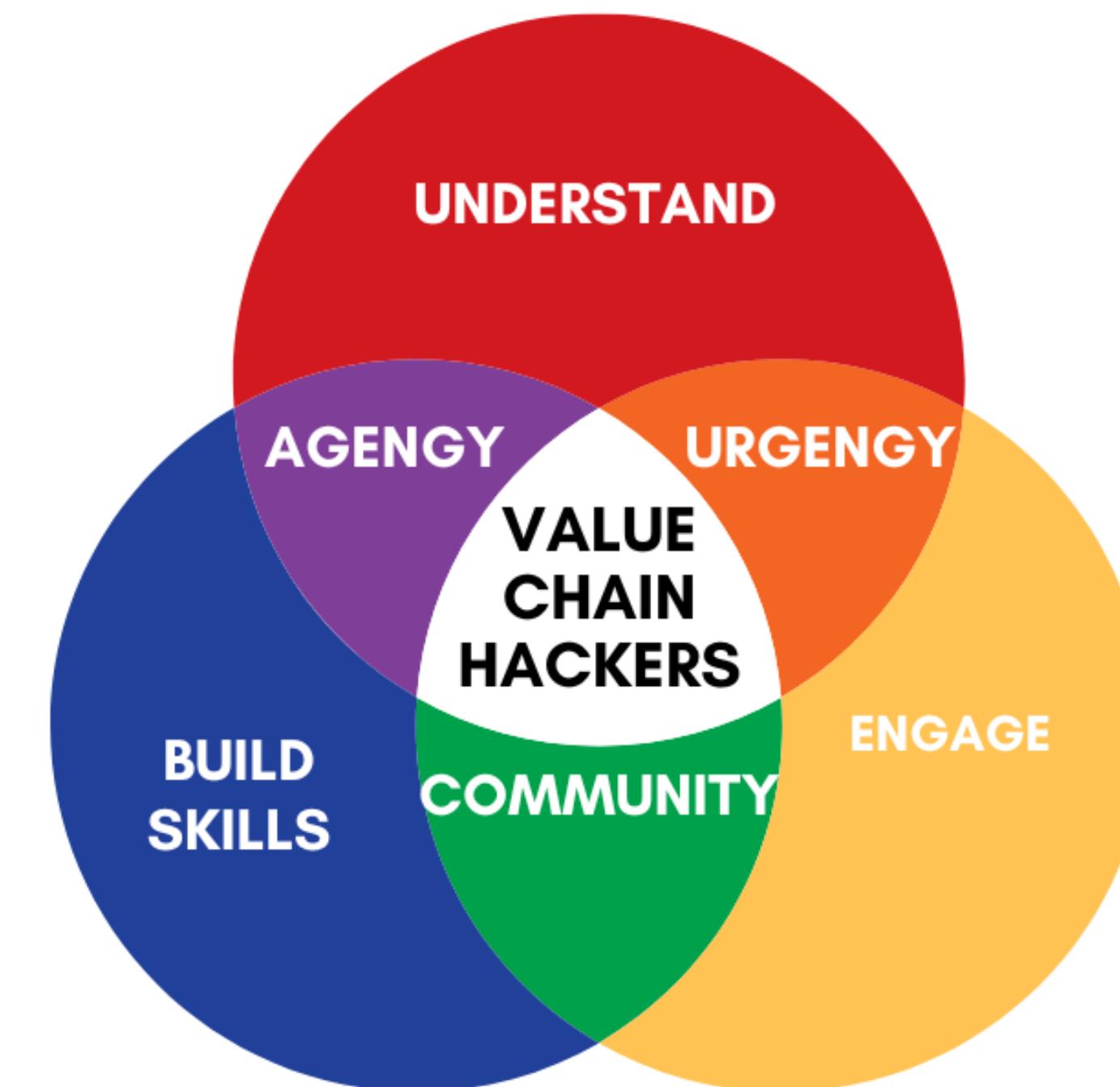
- ... **Understand** the systems, tools, and contexts;
- ... **Build skills**, develop hard and soft skills;
- ... **Engage**, show motivation and commitment to action.

And will get in return:

Agency: I know what to do and how to do it, I feel capable;

Urgency: I know why it matters, and I'm emotionally engaged;

Community: I want to do this and I'm not doing it alone.



Our tracks

Participants select one track aligned with their challenge area, supported by partners and domain experts.



Our tracks

Critical raw materials

Focus: Geosciences – Supply Chain Management

Themes: Resilience of SCs, Social & Environmental sustainability, Sustainable and Ethical Sourcing, Geological and Climate risks, Recycling, Energy Transition, Geopolitical Risks

Applications: Ranging from urban mining to recycling, to alternative design, mining and material challenges, regulatory and tariff risks



Our tracks

Agri-food supply chains

Focus: Sustainable SMEs & food networks

Themes: Regenerative agriculture, community resilience, food security

Applications: Food waste reduction, cooperative networks, alternative farming models



Our tracks

Regulatory Landscape

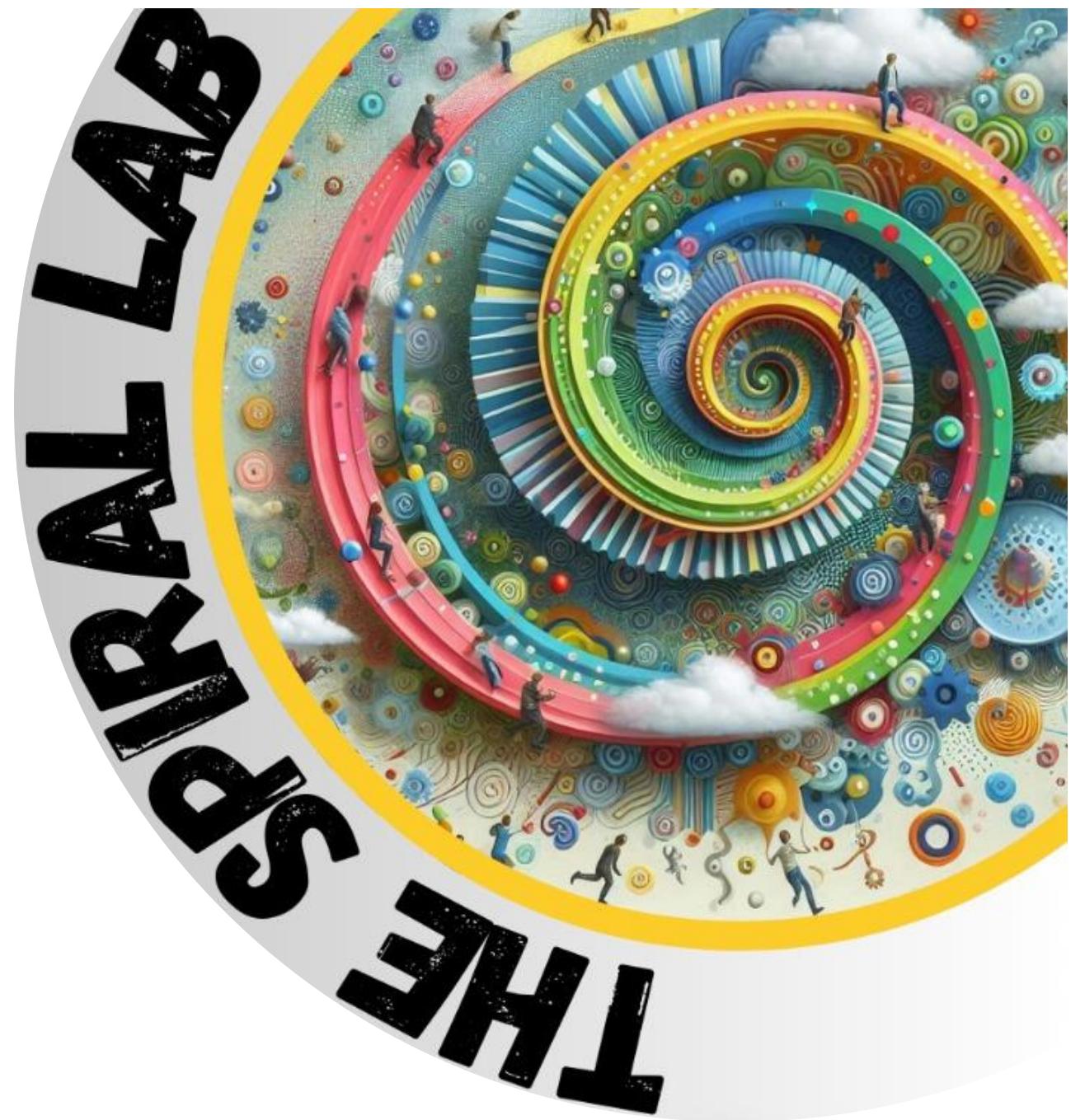
Focus: Policy-driven innovation & compliance-ready design

Themes: Sustainability reporting, due diligence, supply chain transparency, supply chain visibility

Applications: CSRD-aligned reporting, EUDR-compliant sourcing, CSDDD impact assessments, circularity legislation integration, supply chain mapping



Supporting partners



ZWINC!



Long-term vision

- Build a movement of **consultant activists**
- **Safe space** for high-impact experimentation
- Develop and deliver solutions **fit to the real world**
- Create **long-term relations** with companies and communities
- Develop and spread our **train-the-trainer** program

