



# Designing Researcher Development Path to Empower Competence Growth and Strategic Alignment in a Research Organization

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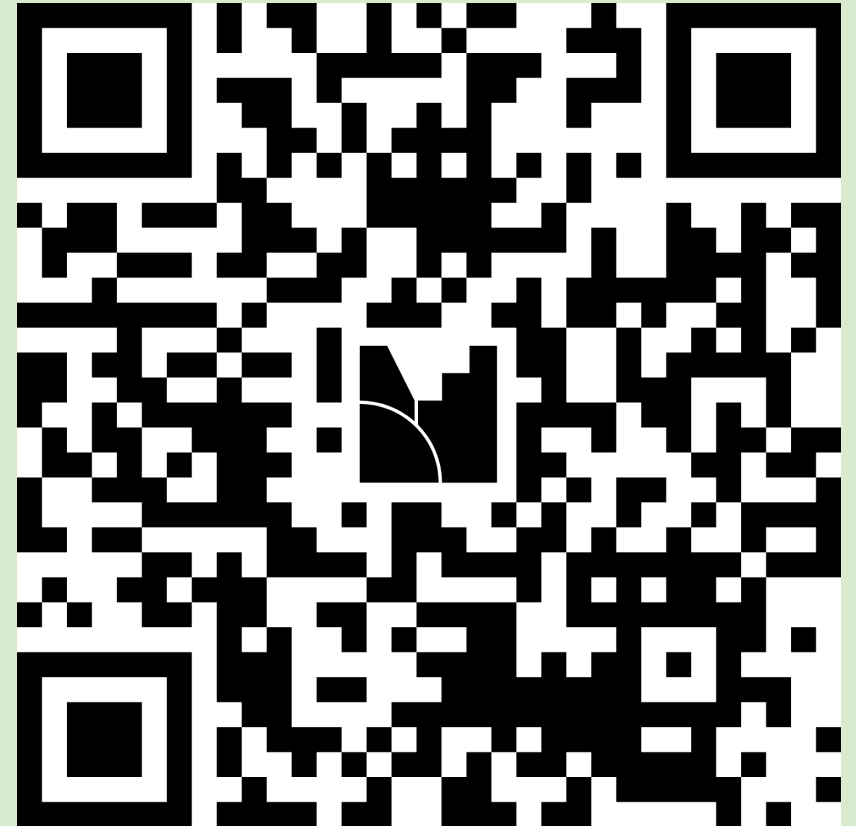
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# Menti #1

Does your organization  
have a structured  
development path for  
researchers?

[menti.com](https://menti.com)

Access code: 6242 3993



## Motivation for the development

- Align the expectations of researchers competence development with the organizational strategy
- Offer diverse opportunities to learn, develop, and advance in your career
- Transparency and understanding on researcher evaluation, both internally and externally
- GTK researchers can plan and develop their skills while considering the needs of GTK's core mission and strategy

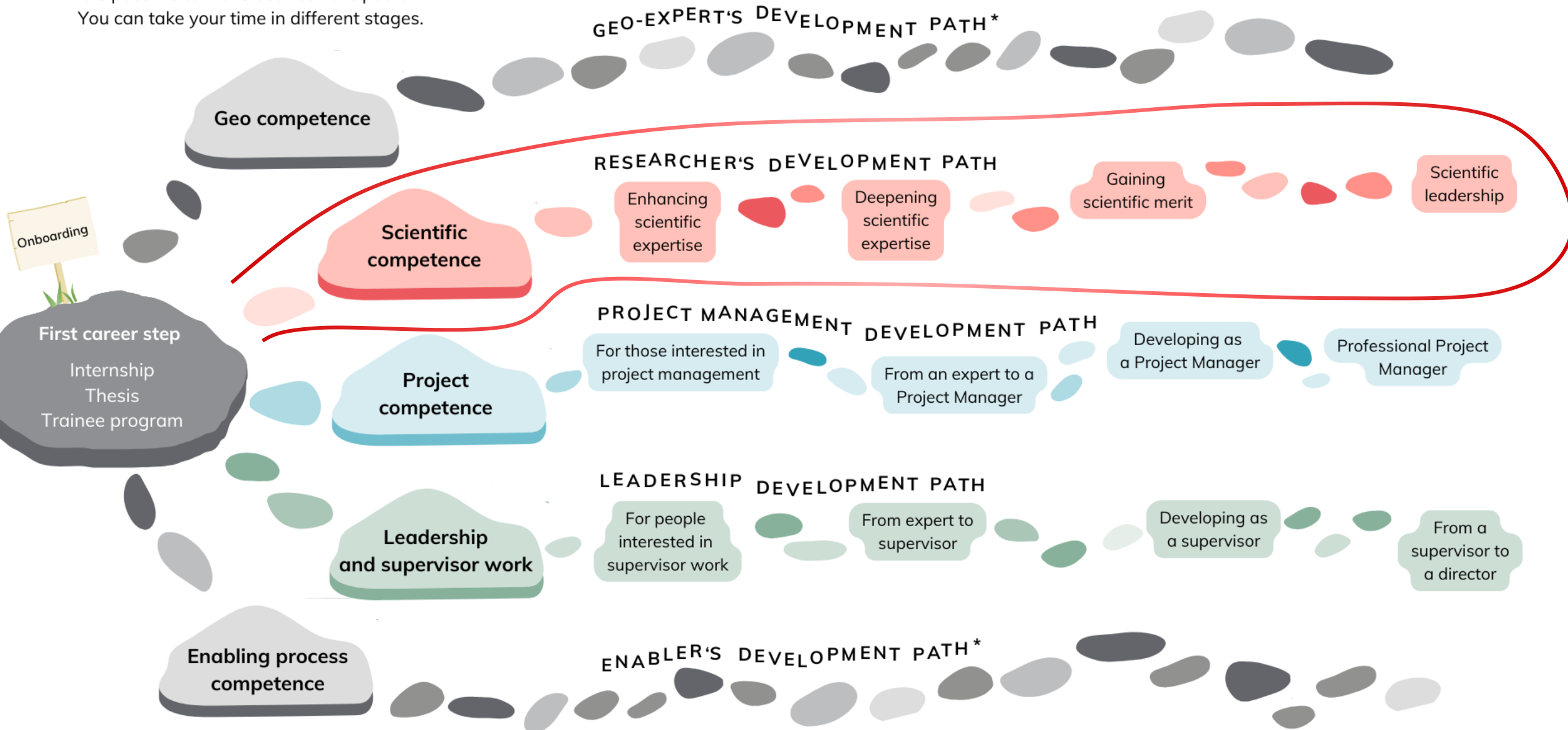




# Competence development paths in GTK



It is possible to move between the paths.  
You can take your time in different stages.



\* to be published later

# Strategy 2024–2027

Technological innovations

Raw material and material self-sufficiency

Carbon sinks

Carbon-neutral energy

Environment

Solutions to accelerate the transition to a sustainable, carbon-neutral world

## Our focus areas

Availability of Critical Raw Materials  
Circular Economy of Minerals

Geophysical Applications  
Geoscience Information Solutions

Energy Transition  
Geoenvironment  
Sustainable Water Resources

Customer solutions

Science and innovations

Geoscience information

## For Earth and for Us

We strengthen the human-focused working life

Coaching culture

Smooth and meaningful work

Constantly developing skills

Cross-border collaboration and communication

We utilise technology and AI

We expand the financial base

Bravely curious and innovative

More together

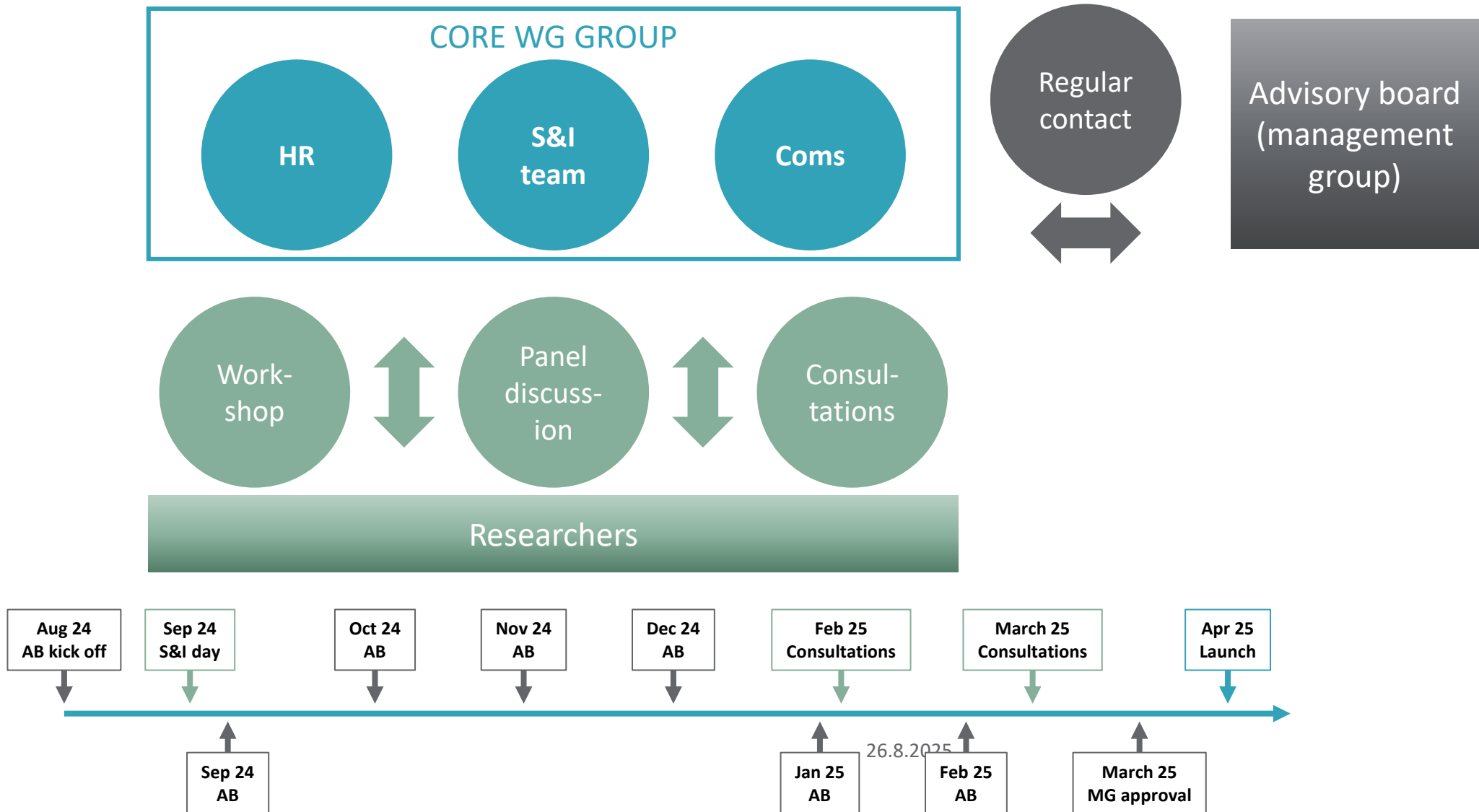
Appreciative and responsible

# Competence Development Paths

- **Development paths focus on competence growth;** versus **career paths** define roles and requirements.
- Enable GTK personnel to plan and grow their skills in alignment with GTK's mission and strategy (*Focus area S&I roadmaps*).
- Progress requires individual initiative—there's no obligation to reach the end of a path.
- Employees may remain at any stage or explore different paths as roles evolve.
- Advancing on a career path depends on available roles and demonstrated competence. Career paths are linked to GTK's pay system.



# The approach





## Enhancing scientific expertise

**For whom:** Master's degree holder

### Tasks/development:

- Independent research work under the supervision of more experienced researchers, scientific publications, preparation of research or customer reports
- Increasing competence through project work

**Duration of the stage, e.g.:** 4 years, if working on doctoral dissertation full-time

**Example titles:** Researcher, Geologist, Geophysicist

**Achievements:** advanced scientific knowledge and research experience, PhD

*Upcoming!*  
Doctoral  
guidelines

## Deepening scientific expertise

**For whom:** Doctoral degree holder

### Tasks/development:

- Independent research and scientific publications, applying for small-scale project funding, participating in the planning of research projects
- Deepening competence through project work, learning science communication

**Duration of the stage, e.g.:** 4-8 years from doctoral degree

**Example titles:** Geologist, Researcher, Postdoc Researcher

**Achievements:** expertise and independent research also based on coordinated projects accumulated extensively

Postdoctoral  
guidelines

## Gaining scientific merit

**For whom:** person progressed from the postdoc stage

### Tasks/development:

- Demanding research in one's own field of expertise, strategic research programmes/development projects, supervision and development of research work, reporting of research results and scientific publication, in Finland and internationally
- Creating networks and developing pedagogical competence

**Duration of the stage, e.g.:** 8 years

**Example titles:** Senior Researcher

**Achievements:** international merit, recognized and distinguished expert

## Scientific leadership

**For whom:** internationally scientifically distinguished senior researchers

### Tasks/development:

- Responsible for the content, external funding and publication activities of the own research entity, management of extensive international research projects, S&I roadmap responsibility
- Development of international networks, development of the competence of the personnel of the own research entity

**Duration of the stage, e.g.:** term of office in accordance with the professorial policy 5 years (+ 5 years extension period) -> permanent professorship

**Example titles:** Associate Research Professor, Research Professor, (Senior Researcher)

**Achievements:** leading wide-ranging research entities

Professor policy



# Existing support structures for researchers

## Support from supervisors

- Work Management: Helping researchers prioritize tasks and balance workloads, Encouragement &
- Guidance: Supporting and facilitating competence development.
- Regular Development discussions

## Support from S&I team

- Funding and applications
- Grants for developing collaboration and scientific expertise
- Research ethics
- Scientific publishing and Open science
- Strategic development and planning of research
- Develops cooperation opportunities

## Support from the work community/colleagues

- Support from scientific leadership (e.g., research professors), experienced researchers, mentors, and the entire scientific community
- S&I days and S&I coffees
- Support can also be obtained from networks outside GTK (e.g., universities, the international scientific community)

# Advancing Scientific Expertise through Projects

- At GTK, projects are central to developing research competence and aligning with strategic goals.
- Researchers are encouraged to take initiative—planning, applying for funding, and leading projects.
- Scientific publishing is integrated into project work and proposal design.
- Collaboration with clients includes exploring data use for research and publications.
- Existing data is leveraged to support continuity across projects and outputs.
- A culture of curiosity and responsibility is fostered—trying new approaches is valued.
- Ongoing dialogue with peers and supervisors supports growth.

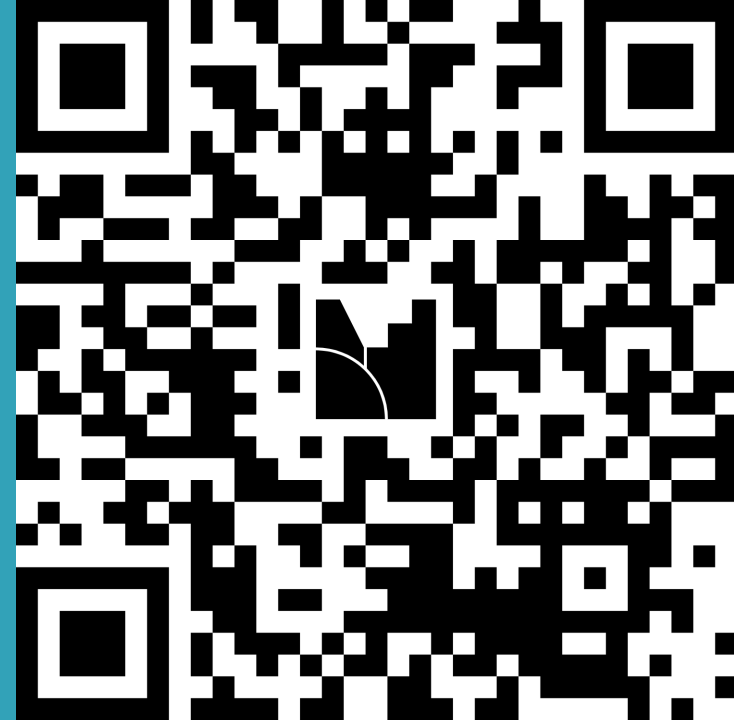


## Menti#2

What's one idea or practice from this presentation you'd like to take back to your organization?

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## FOR EARTH AND FOR US

The Geological Survey of Finland (GTK) produces impartial and objective research data and services in support of decision-making in industry, academia, and wider society to accelerate the transition to a sustainable, carbon-neutral world. GTK employs more than 400 experts specializing in the mineral economy, circular economy, solutions related to energy, water and the environment, as well as digital solutions. GTK is a research institution governed by the Finnish Ministry of Employment and the Economy, operating in Finland and globally.  
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