Relevance and vision for the Tenure Track Profile: Critical Geodata Studies and Geodata Ethics

Key scientific shift	Move from data scarcity to data abundance has changed the field of geoscience in profound ways that are insufficiently understood from a social scientific and ethics perspective.
Key societal concern	Geodata driven technologies are (becoming) crucial infrastructures of our everyday lives and the implications and logics of their development and impacts are poorly understood, --leaving too much room for the (re)production of new and old inequalities and potentially harmful lock-in into infrastructural designs that will impact on generations to come.
Needed Impact	More reflexive and responsible geosciences through critical appraisal of practices and technologies.

The *ten** year impact plan

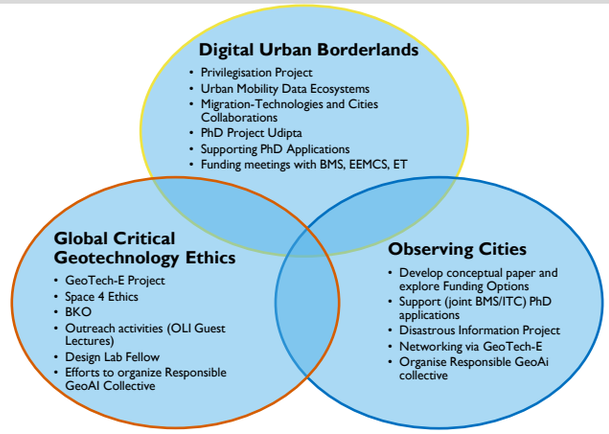
Key Domains of Change	Specific Domains of Change	Outcomes	Outputs
Discourse	Scientific	1 **Critical Geo-Scholars** engage more proactively with **critical data and technology scholars** to identify new avenues of research.	Established Field of Critical Geotechnology Studies
		2 **Technically oriented geoscientists** are more aware of the risks related to re-enforcing inequalities.	
	Institutional	3 **Technically oriented geoscientists** value social scientific examination of their work.	Internationally recognized key expert collective. (The Twente School)
		1 **Academics** focus on rewarding team achievements and realistic workloads.	Transdisciplinary team science projects.
Practice	Societal	1 **Users of geotechnologies** are more aware of how those technologies impact on their everyday lives.	University (academia) as a truly inclusive workspace
		2 **Urban residents** can better identify and democratically engage with geotechnologies.	Innovative methods for raising awareness about socio-technical nature of geotechnologies.
	Application	1 **Geodata technologies producers** recognise wider technological infrastructures they are part of and the societal implications these have.	More democratic embedding of geotechnologies in (urban) society.
		2 **Policy makers** more readily question the politics behind geodata technologies.	
	Education	1 **(Junior) scholars** are trained to bridge the critical-technical gap.	Openly accessible global geotechnology ethics teaching materials.

Building foundations

Activities outlining a profile

Goal: Collaboratively consolidate the field of critical geotechnology studies.

Activity:. Establish three interconnected research lines
(Research focused but cross domain relevant)



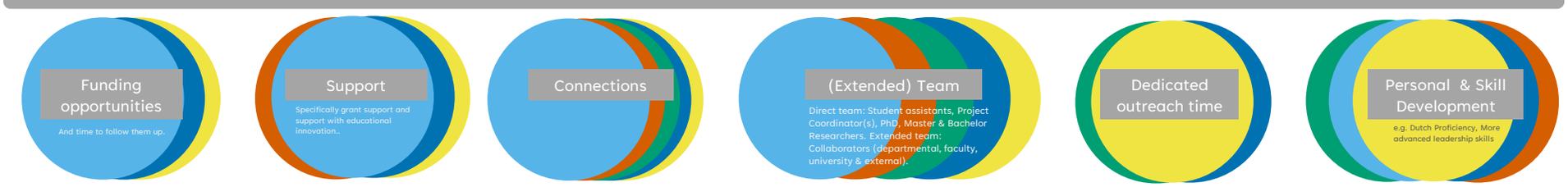
Goal/Activity:. Shape processes and structures of operation.

Faculty	Ethics Committee
University	Young Academy University of Twente
National	NWO SGW Tafel

Key Assumptions

1. Critical research can change research practice despite prevailing power asymmetries.
2. There continues to be a push for more and field specific research ethics.
3. Getting involved in University politics will change longstanding structures that academia operates within.
4. There is a need to have the right institutional frameworks to do strong critical research.
5. I can obtain funding to grow my profile focus.

Inputs / Resources



*The specific number of years to achieve different outputs may vary depending on availability of inputs and circumstances. In my talk I will highlight some possible indicators that might show that those outputs have been (partially) achieved.

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