Geo AI for the Rest of Us

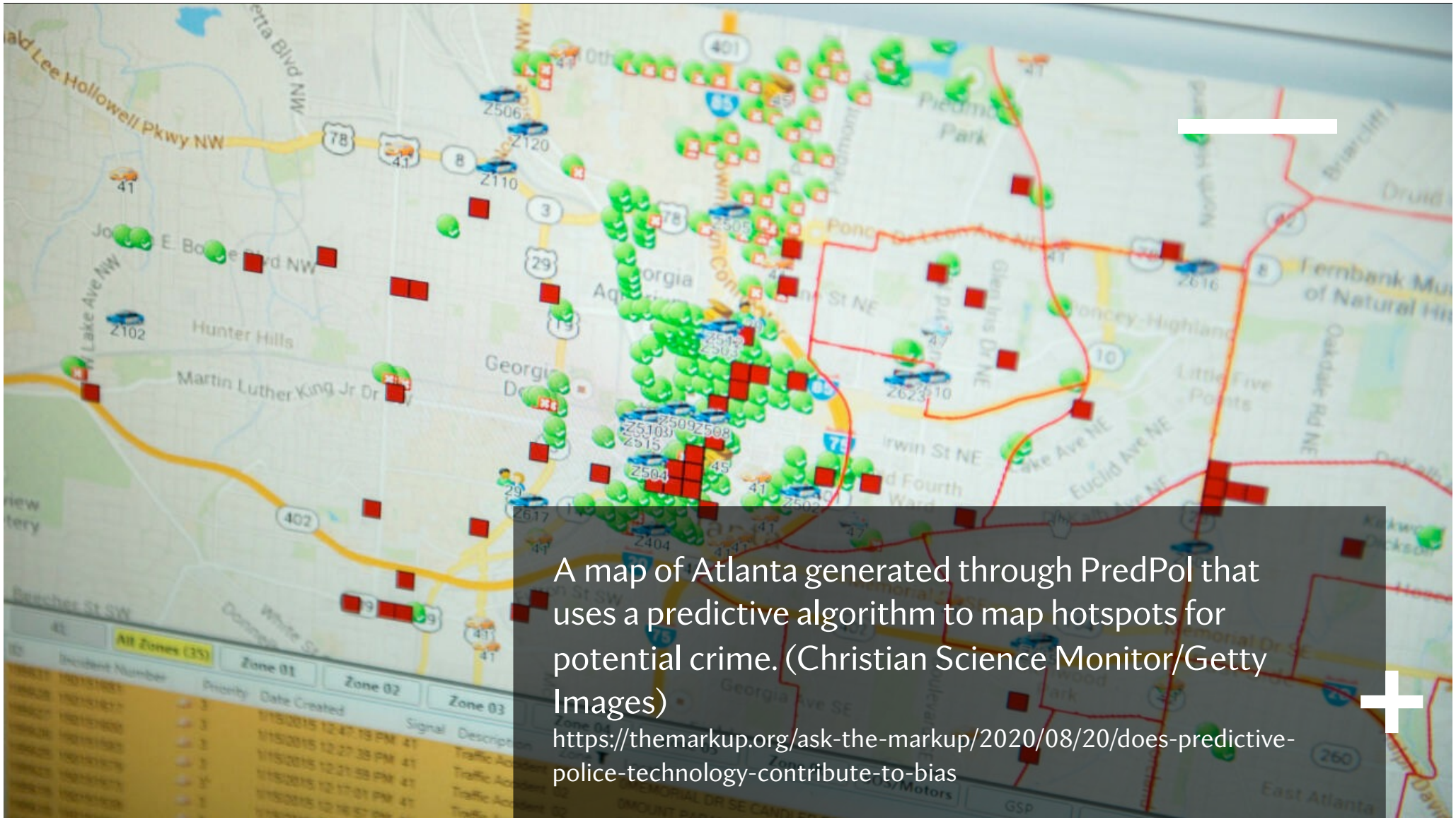
R. E. Sieber

@re_sieber

McGill

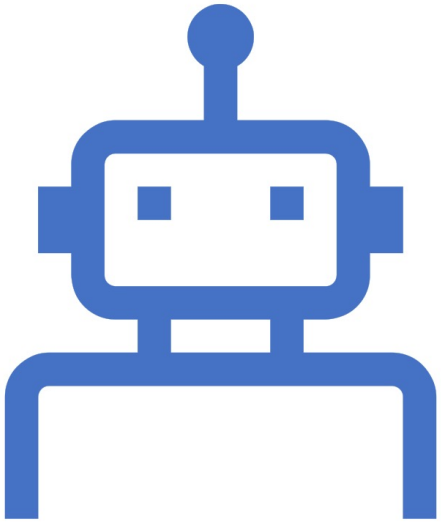
Plenty of AI Ethics and Societal Impacts

+



A map of Atlanta generated through PredPol that uses a predictive algorithm to map hotspots for potential crime. (Christian Science Monitor/Getty Images)

https://themarkup.org/ask-the-markup/2020/08/20/does-predictive-police-technology-contribute-to-bias

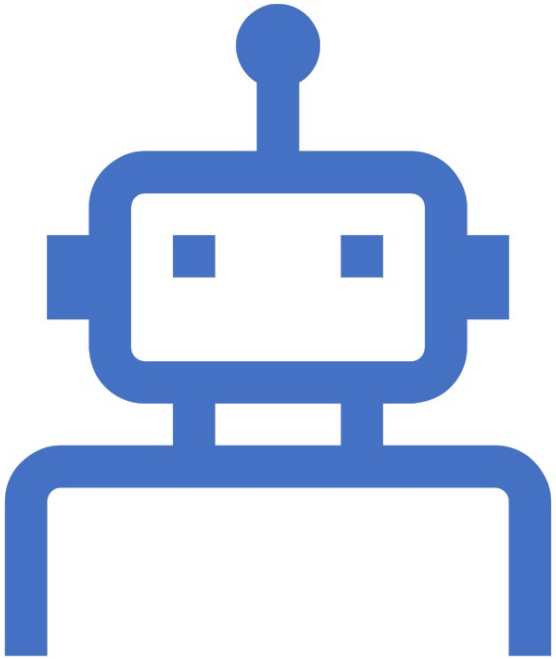


Most AI Ethics incorporate civil society inclusion/participation.

What does civil society participation in AI look like?

- Stakeholder Engagement
- Public feedback
- Mini-publics (e.g., citizen juries)
- Participatory Design (and model cards)
- Co-production/co-creation

- Not necessarily geographic

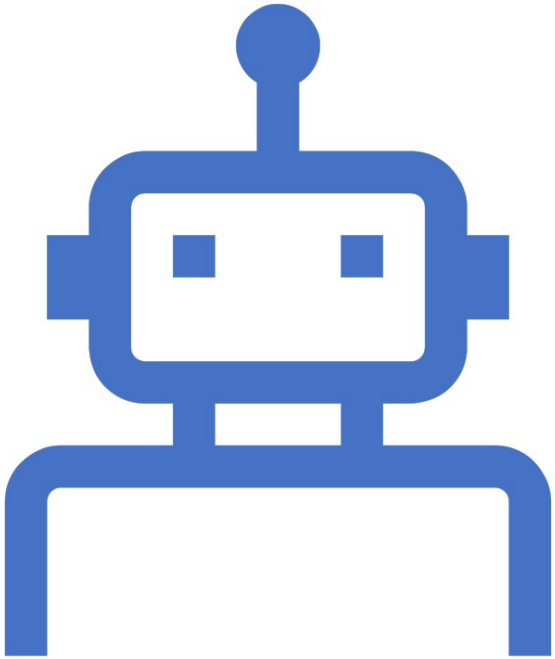


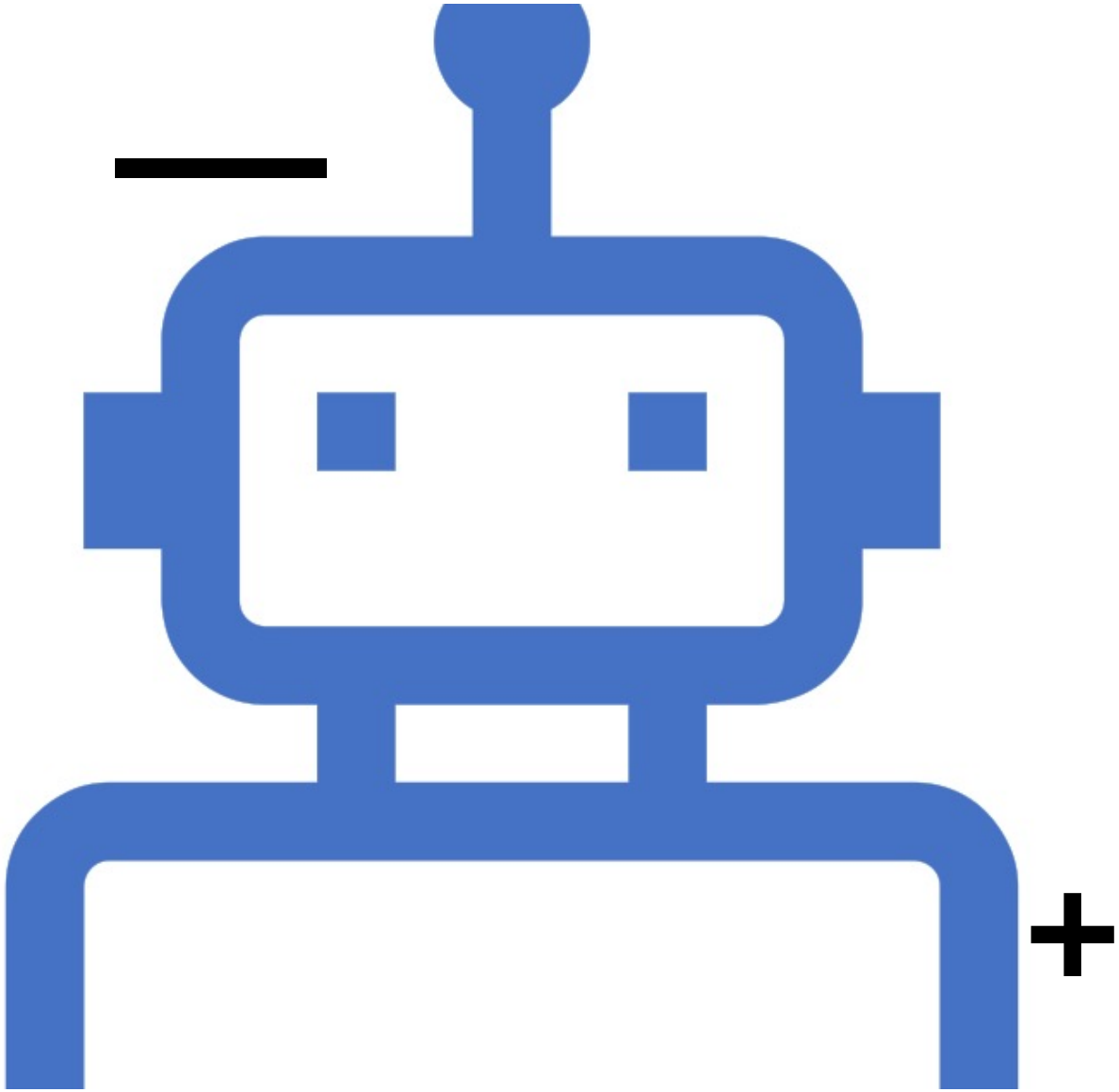
What about those stakeholders?

What is a non-governmental organization (NGO) or civil society organization (CSO)?

Who decides who has a stake? (exogenous and calculated)

Not all stakeholders are the same.



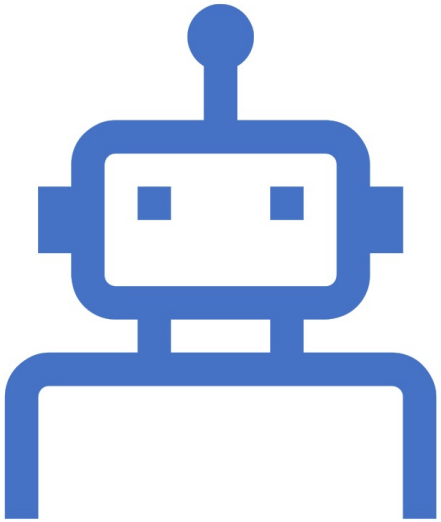


Co-production, co-design sounds good, right?

Too easily conflated with participation as work.

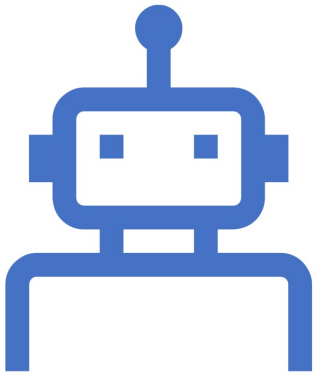
Also see Human in the Loop.

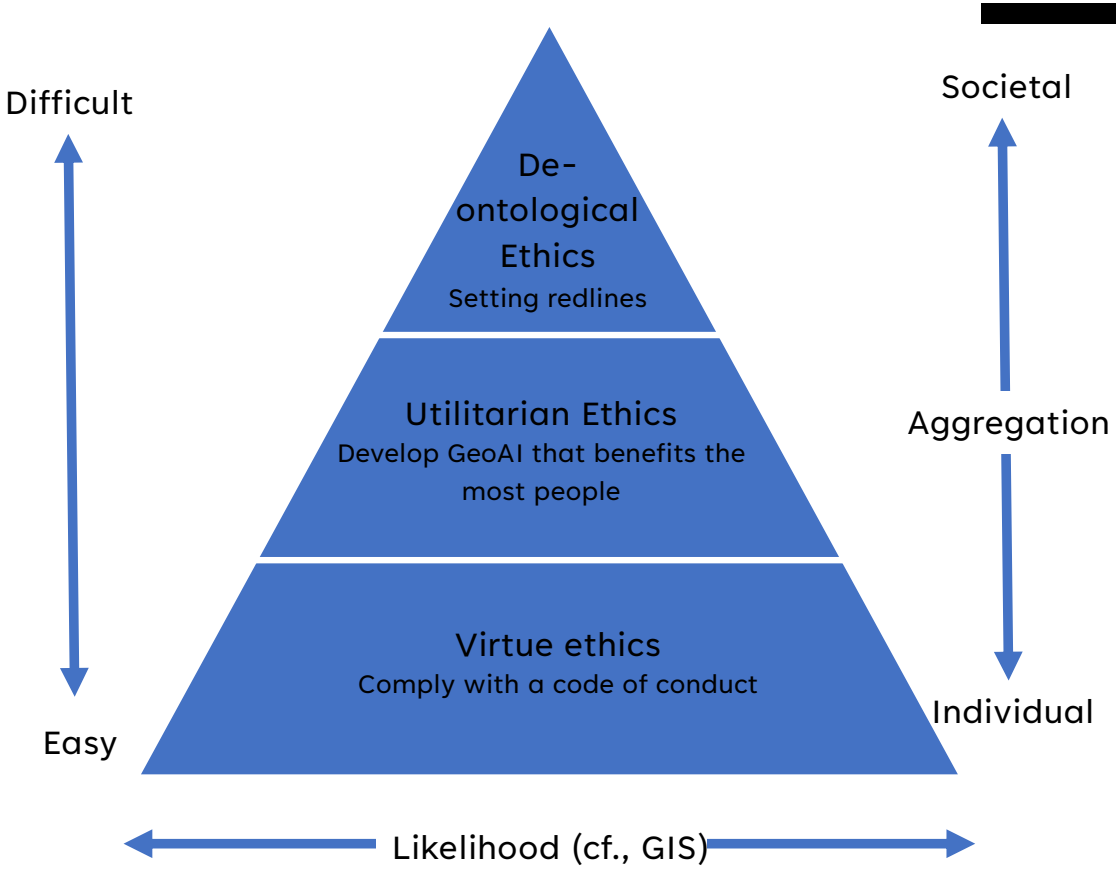
What about chatbots or passive harvesting? AI has intruded into everyday life, including participation.



Non-civil society actors are acting on behalf of civil society and determining algorithmic justice (“Responsible AI”).

Applied Ethics Triangle for GeoAI



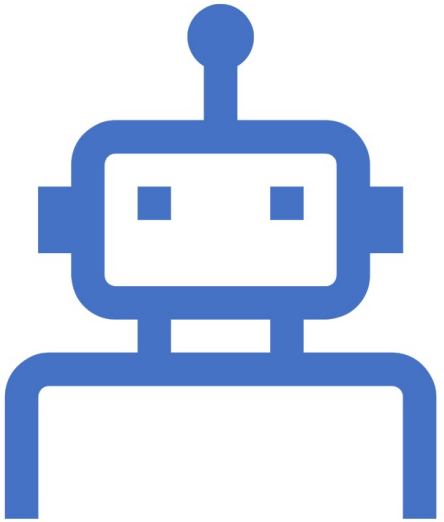


The Limits of Virtue Ethics: Sometimes there's no Unbiased Data

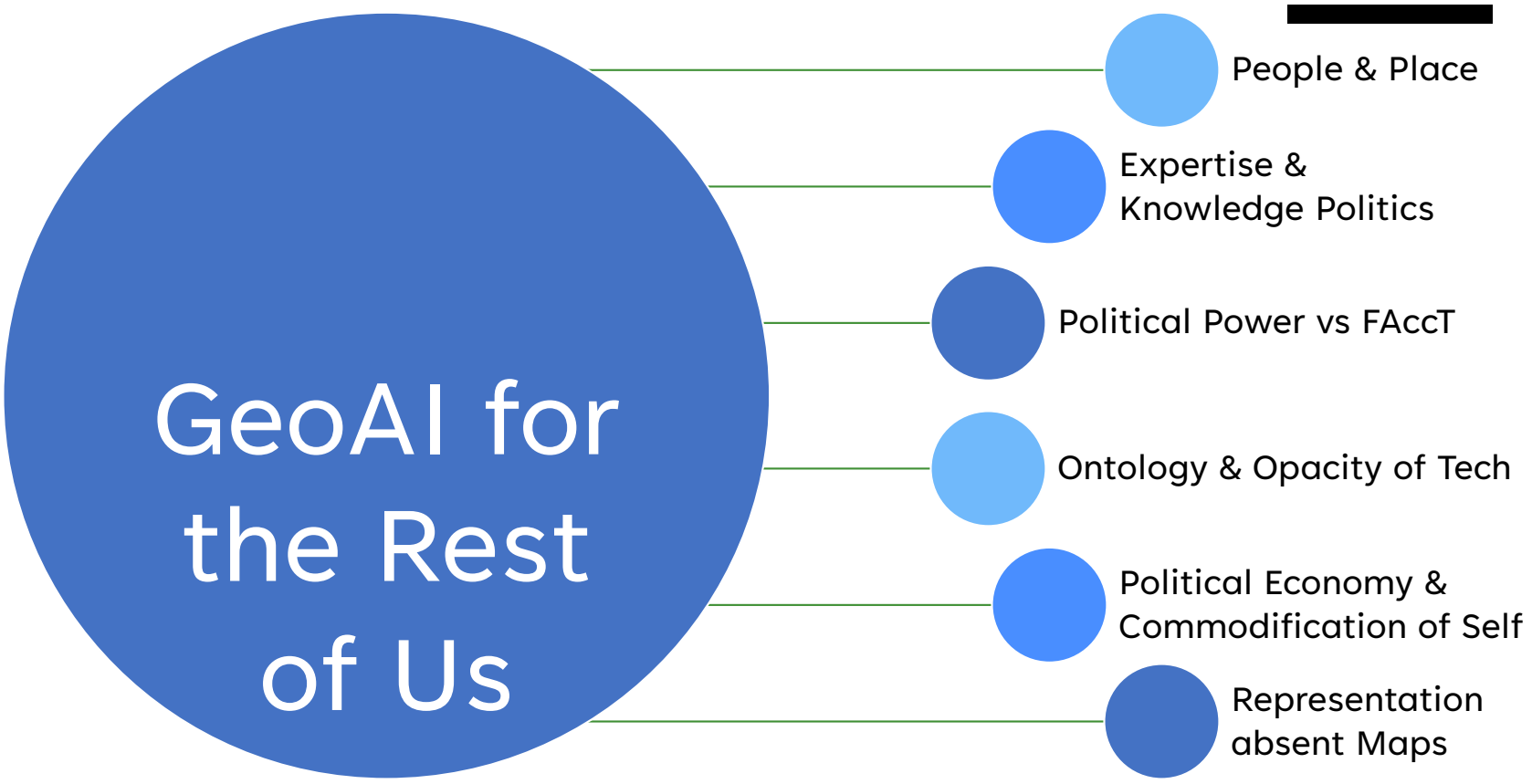
https://edri.org/our-work/if-ai-is-the-problem-is-debiasing-the-solution/

Participation End Goals

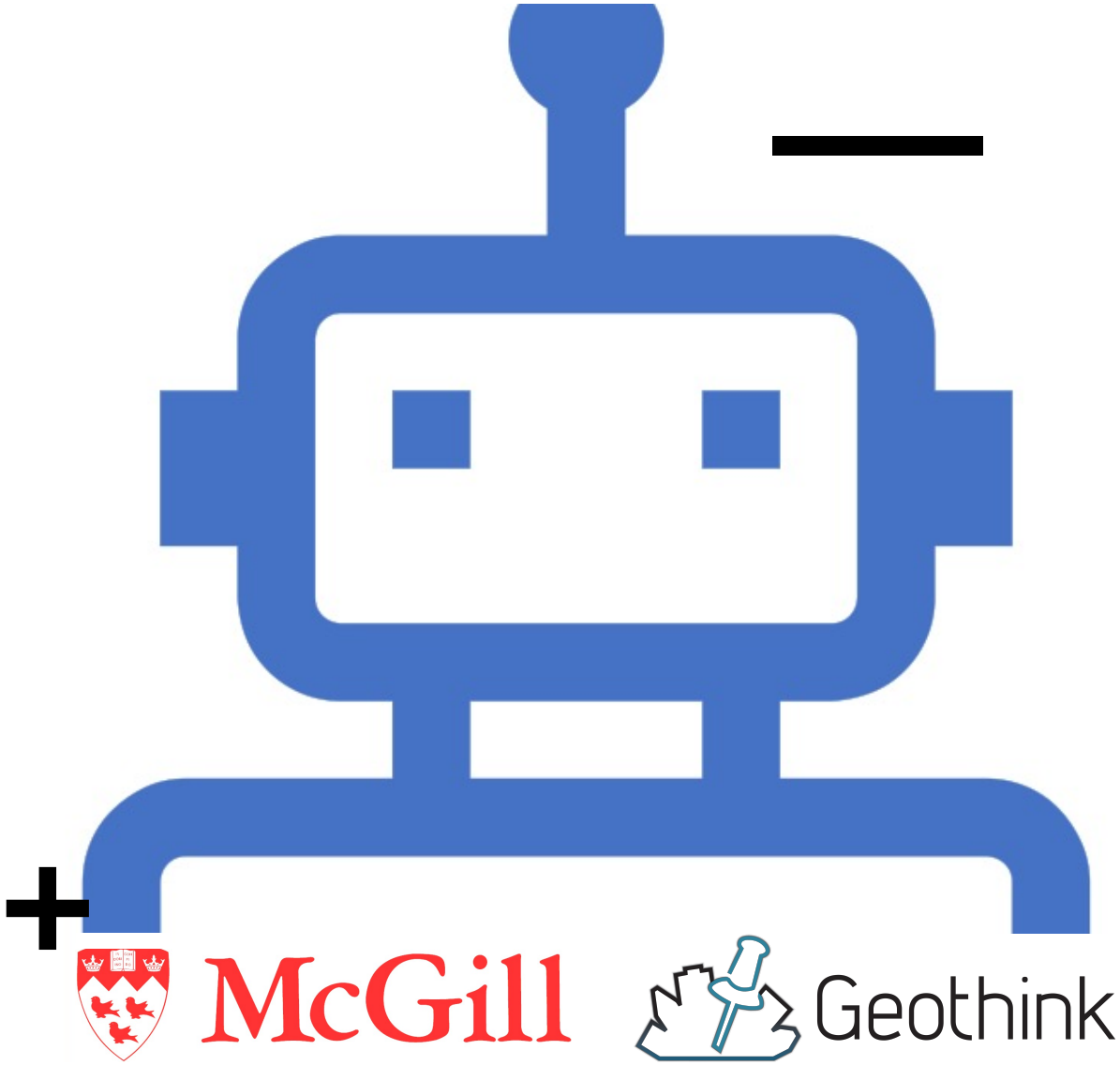
- Optimization (& recaptcha as part of that)
- UI/UX
- Trust (e.g., with XAI) and Literacy
- (Assuming people want democracy) deliberation in design, development and deployment
- Political power and justice
- Checking off a box, token participation OR
- Conversely, when is participation a form of tokenism or even anti participation?



A scaffold of an inclusive GeoAI Ethic


GeoAI for the Rest of Us
People & Place
Expertise & Knowledge Politics
Political Power vs FAccT
Ontology & Opacity of Tech
Political Economy & Commodification of Self
Representation absent Maps

Thank you!

Renée Sieber

@re_sieber