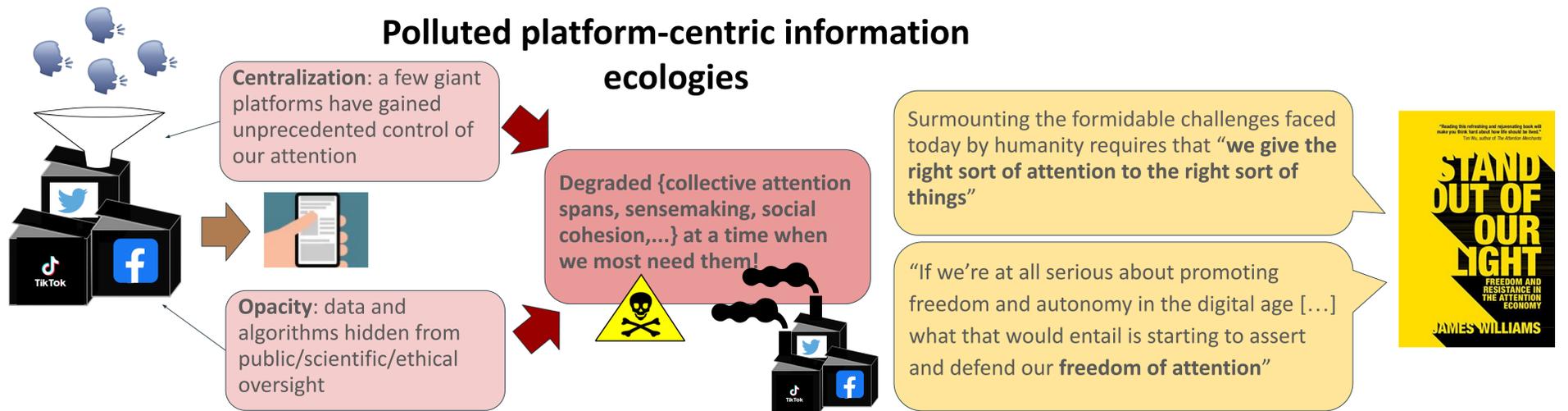




From Users to (Sense)Makers: On the Pivotal Role of Stigmergic Social Annotation in the Quest for Collective Sensemaking

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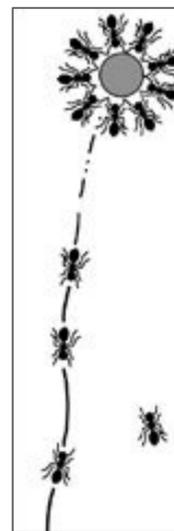
¹Hebrew University of Jerusalem ²UC Davis ³Veeo * Work done while at DAOstack



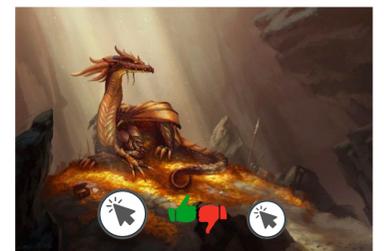
- What’s so hard about that? Just push the do-not-disturb button on your phone!
- Or better yet, make platforms nudge people to be more mindful of their attention!
- Freedom of collective attention is a **systemic infrastructure problem** and not merely an individual problem (like obesity, climate change, etc)
- Ok, freeing collective attention sounds grand on paper, but how does it translate into real technology?

Stigmergy: powerful theoretical lens on collective attention

- **Stigmergy:** large-scale, indirect coordination mechanism mediated by environment modifications
- Agents make modifications which other agents react to (e.g. ants making pheromone trails)
- Collective intelligent behavior emerges from local stigmergic feedback loops
- Stigmergic markers: attention economy gold
- Pheromone trails are a particularly valuable kind of environment modification called **markers** - signals of attention, importance
- Digital pheromone trails (markers) include explicit annotations (likes) and implicit (clickthrough data)



To control attention, control stigmergic markers

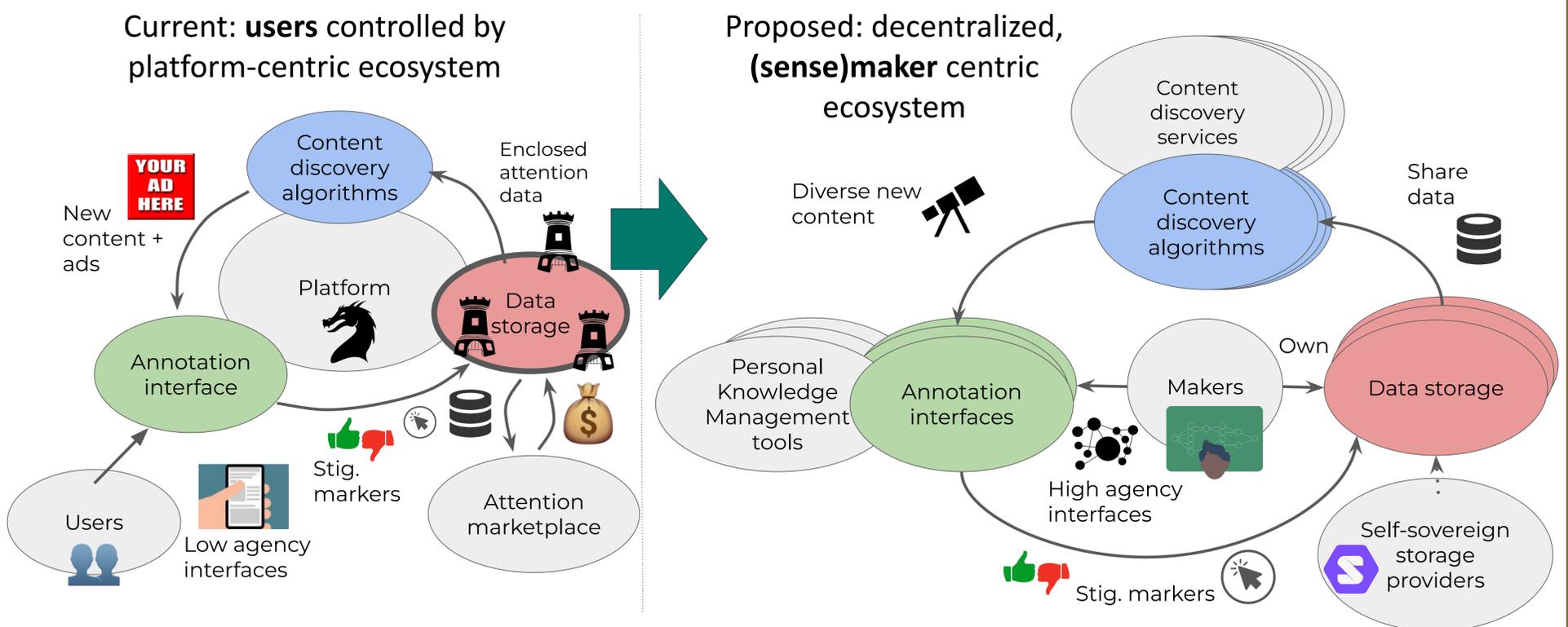


Centralized platforms hoarding stigmergic markers

Idea: **Decentralize** control of stigmergic markers. Empower individuals and communities to regain control of their attention by regaining control of their digital attention traces!

Proposal: Open Source Attention (“Free the ‘like’ button”)

Similarly to how we can share knowledge or code as a public good, we should be able to publicly share our attention data



Challenges

- Cold-start problem, entrenched centralized networks
- Funding models - public infrastructure? Subscription-based?

Promising directions

- Protocols, Not Platforms
- web3 data co-op models

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