

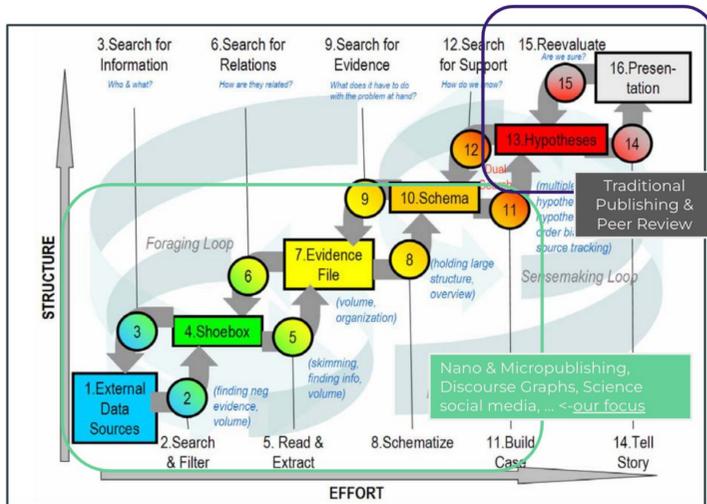
Sensemaking Networks: Transforming Social Media into a Sensemaking Layer for Science

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Astera Institute & Common SenseMakers

? Is science Twitter “real science”? What is the role of science social media in science?

🧠 Hypothesis: science social media is part of a *sensemaking layer* for science



Sensemaking: structuring & organizing new information to improve decision-making [1]

Sensemaking data: “dark matter” of scientific research

- Not on scientific record but exerts significant impact on science!
- Closed/fragmented across apps/formats

Open access to papers, but not to the keys for making sense of them!



🔑 Behavioral data

necessary to make sense of ? Social media

🔑 Sensemaking data

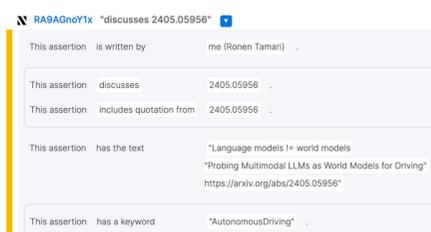
necessary to make sense of ? Science papers

🔦 Making dark research visible: FAIRifying science social media

Findable, Accessible, Interoperable and Reusable

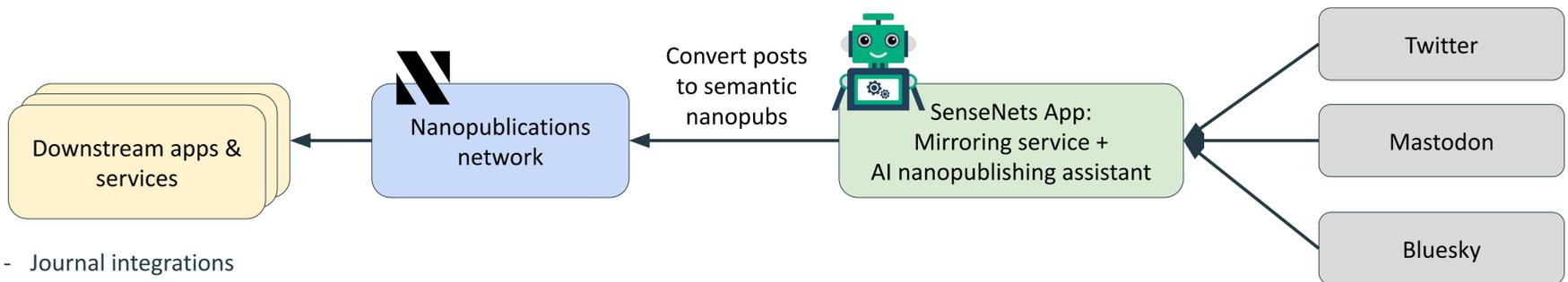
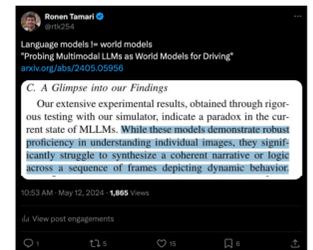
Nanopublications

- ✓ Open & FAIR
- ✓ Semantics
- ✗ Hard to publish
- ✗ Lacks incentives



Social Networks

- ✗ Open & FAIR
- ✗ Semantics
- ✓ Easy to publish
- ✓ Strong incentives



- Journal integrations
- “Science Goodreads”
- Discourse graphs
- Cross-platform feeds
- Personalized recommendations
- **Natural language queries (chatbots + semantic data=🚀)**

“Summarize the debate around this paper, and show me the positions of the researchers in my network”

“Show me the people in this conference who have a similar bookshelf to me”

“Show me the most highly recommended AI papers this week by researchers in my network”

“Keep me notified on all job offers in biodiversity research in institutions which are affiliated with any researchers in my network”

📣 Call to action: join the campaign!

1. 👤 Login to app with your social media account
2. 🔔 Receive email notifications upon detection of potential nanopubs in your posts
3. 🔄 Manual review / set up publishing automation
4. 🙌 Nanopublish!



Preprint



[1]: Pirolli, P., & Card, S. (2005). The sensemaking process and leverage points for analyst technology as identified through cognitive task analysis.