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Open **2-3 July 2026** Symposium

Maastricht
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Accelerating physiological map construction through Natural Language Processing-assisted text mining and curation

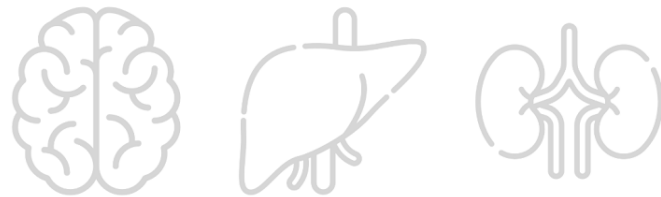
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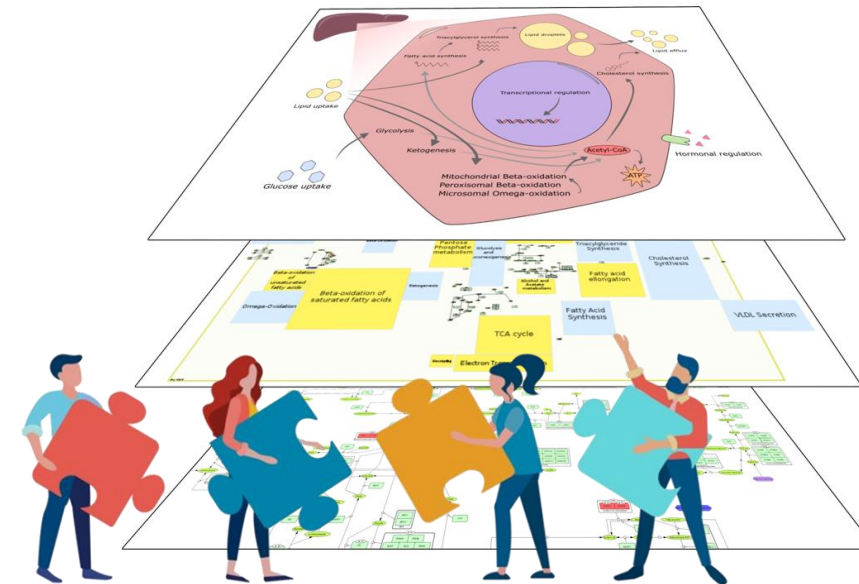
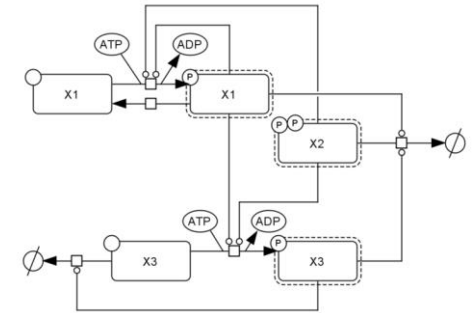
Physiological Maps



- ✓ Liver lipid metabolism
- ✓ Liver bile acid secretion
- ✓ Nephron physiology
- ✓ Brain development
- ✓ Neural tube closure

In a nutshell, PMs are:

- Human- and machine-readable representations of biological processes at the molecular level using systems biology standards



More information here



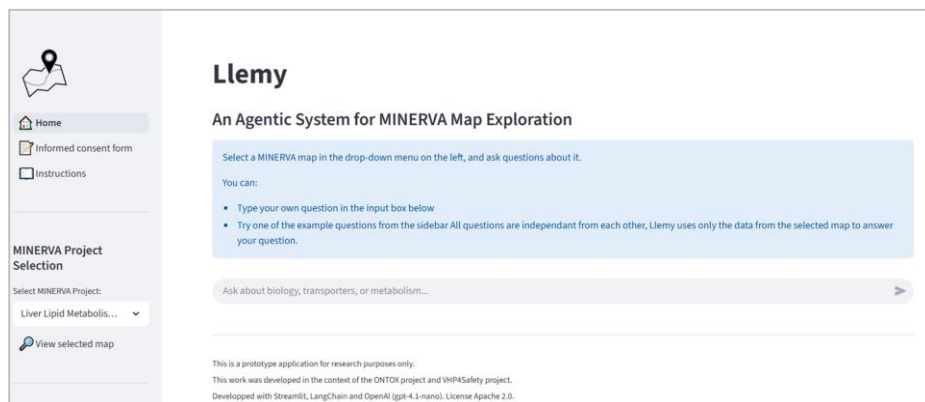


We are building on an ecosystem...

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- ✓ Documentation and guidance
- ✓ Video tutorials
- ✓ Querying and exploration tools

... which is being adopted...



➤ You can “talk” with the maps via Llemy, our AI assistant for map querying.

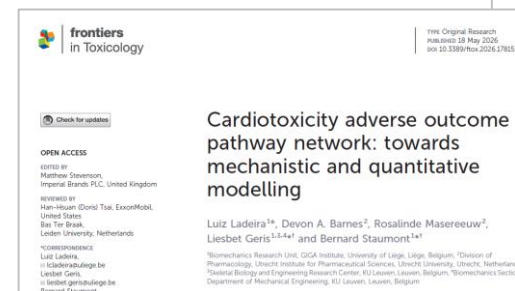
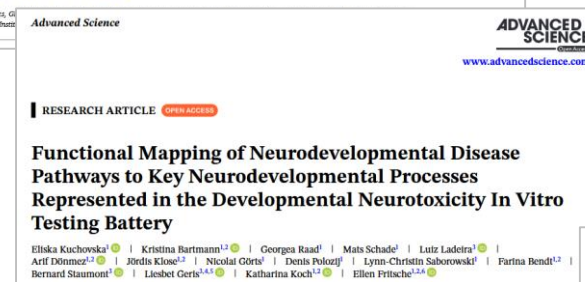


Check our tutorials



ONTOX
papers

Bwanya et al., 2025 - 10.1016/j.tox.2025.154237
Kuchovska et al., 2026 - 10.1002/advs.202519889
Corradi et al., 2026 - 10.64898/2026.03.10.710813



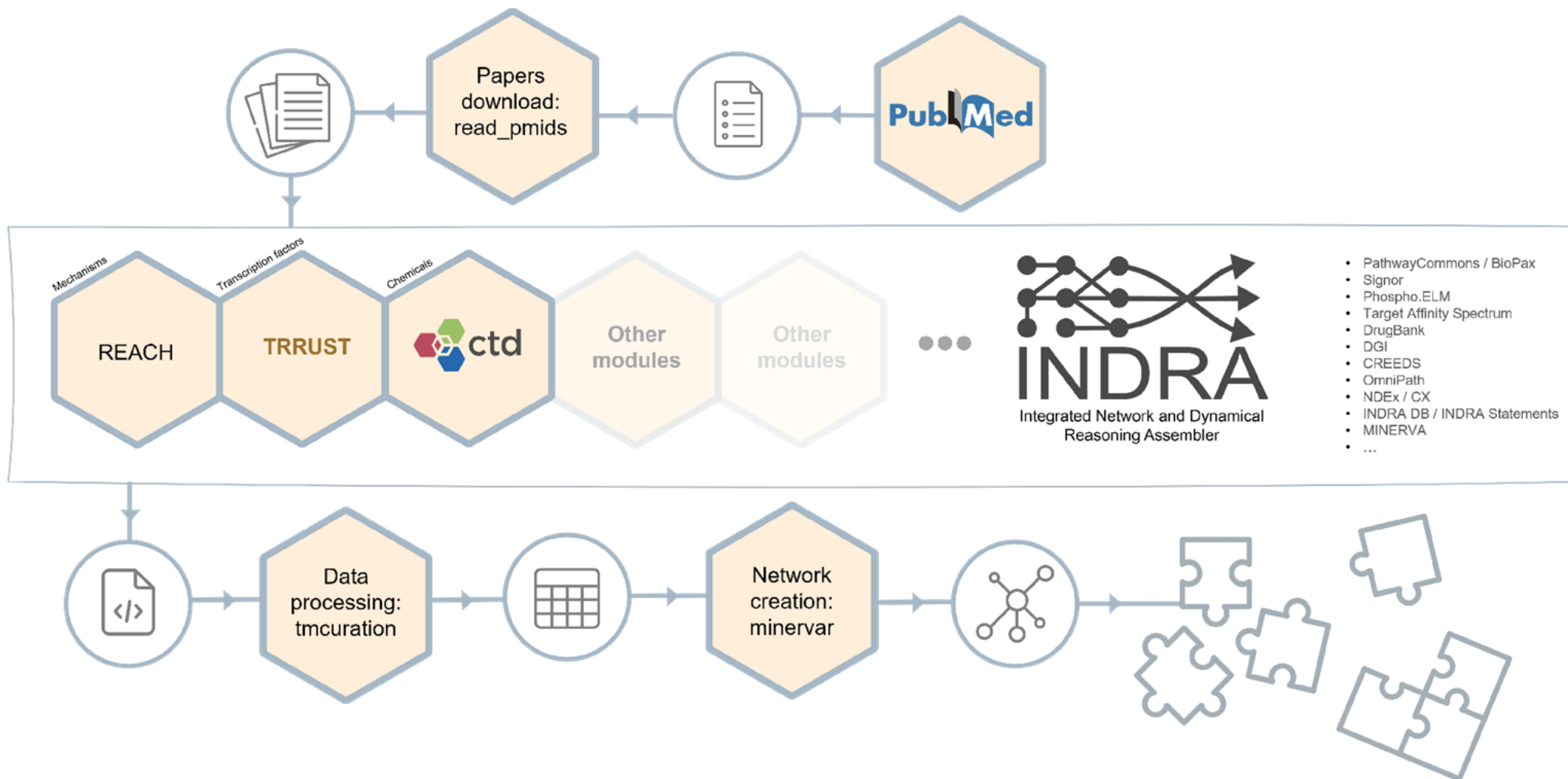
... and inspiring and influencing other projects!

HIDmap: A physiology-based map of human immune system development to support animal-free research and regulatory innovation

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Challenge: extensive and manual curation of literature





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KU LEUVEN



VHP4SAFETY
virtual human platform for safety assessment



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systems
medicine
disease
maps

