

knowledge pixels

knowledgepixels.com

Building the first universal and globally integrated
knowledge sharing platform for researchers

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Horizon Europe Partnership Offer

19 January 2026

This is Knowledge Pixels

- Tech startup/SME based in Switzerland
- Core technology: **Nanpublications** — treating knowledge graph snippets as small provenance-aware publications
- Core products:
 - **Nanopublication network**: Robust P2P network to publish and query nanopublications
 - **Nanodash**: User client based for easy and fast knowledge sharing via nanopublications
 - Open source / open protocols / anti-silo / maximum FAIRness
- Main expertise:
 - Knowledge graphs and related semantic technologies (RDF, SPARQL, SHACL)
 - Distributed systems; decentralized cryptography-aided trust
 - FAIR, Open Data, data stewardship
 - Conceptual modeling, provenance, evidence, metadata
- Experience:
 - Team with extensive experience in research projects, consortia, and working groups
 - Technology leaders in nanopublications and FAIR

Our Solution: Fast and easy sharing of all kinds of knowledge, globally integrated

User journey example:

Quantum Computing for Biodiversity
Systematic Review

Investigates the potential of quantum computing in biodiversity research.

Researchers

- Anne Fouilloux
- Barbara Magagna

Research Questions

- How can quantum computing be applied to biodiversity research and conservation?

Database searches

DB	URL	search query	retrieved records	creator	np
Europe PMC Search	europapmc.org	(quantum computing OR quantum machine learning) AND (biodiversity OR conservation OR species)	597	Anne Fouilloux	
		(quantum computing OR quantum machine learning) AND (biodiversity OR conservation)	467	SysRev AI Agent	

Collaborative live view on topic / question / project / anything

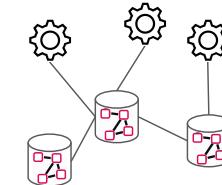
Quick sharing of small bit of result / method / opinion / anything

Our solution stack:

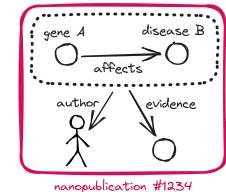
Platform:
nanodash.

Hosts diverse
Knowledge Apps

Infrastructure:
P2P Network



Format:
Nano-publications



Partnership Offer

We are interested in collaborations on:

- Improving FAIRness of scientific data repositories and workflows
- Exploring alternative channels for publication of structured knowledge, including AI output, with detailed provenance
- Structuring scientific discourse and evidence
- Applying neuro-symbolic AI on knowledge graphs
- Exploring novel precise and transparent AI-powered interfaces

Preferred roles:

- Technical partner contributing FAIR / knowledge graph expertise
- Provider of knowledge graph / FAIR data technology
- Leading pilot implementations for given use cases / user groups

Get in touch

We'd love to hear from you and explore possible collaborations.



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