Traceable knowledge for humans and AI

Project Idea	**Competence offer:** knowledge capture and sharing with nanopublications, small signed units of knowledge that people and AI systems can rely on and trace back
Organization name, town and country	Knowledge Pixels AG (SME), Zürich, Switzerland
Addressed topic(s)	**HORIZON-CL4-2027-02-DIGITAL-EMERGING-52-two-stage:** New approaches for Human/AI collaboration for the workforce of the future **HORIZON-CL4-2027-01-MAT-PROD-42:** Unlocking the potential of academic intellectual assets for industry, SMEs and startups

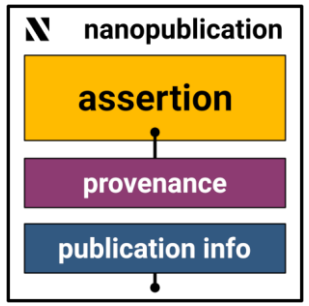
Knowledge Pixels AG

- **Swiss SME running the open nanopublication infrastructure**: more than 10 million nanopublications and more than 700 approved users
- We build libraries, tools and user interfaces for it, such as Nanodash
- Our CEO co-invented nanopublications and co-authored the FAIR principles
- **Skills:** knowledge graphs, FAIR data, provenance, AI and agentic workflows

Experience in EU and national projects (as partner or subcontractor): FAIR2Adapt, EU-PARC, FDO Connect, Mission KI, Science Live

Nanopublications: fast and traceable knowledge sharing that powers AI

nanodash.



> 10 million
nanopublications
> 700
approved users
decentralized network
up and running

Open science across the project

We can take care of the FAIR and open science aspects that run through your whole project.

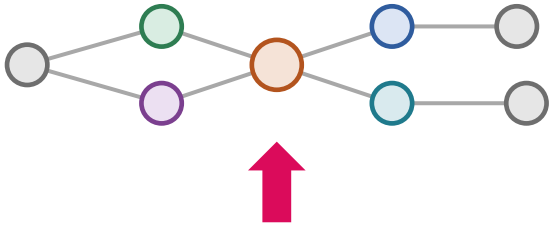
Transparent and trustworthy AI

AI systems get input they can rely on, and everything they produce can be traced back.

Cross-cutting precise queries

who proposed fix F? → answer: worker W

Connected as one graph, project-wide and globally



One format, many kinds of knowledge

Know-how	Machines	AI output	Research	etc.
worker W	fix F	AI agent A	study S	...
proposed	applies to	suggested	supports	
fix F	machine M	fix F	fix F	

Competences / type of partners sought

We offer: a task or a work package as a junior partner, on knowledge capture and representation, FAIR data, and provenance for AI.

Switzerland is associated to Horizon Europe, so we can join as a regular funded partner.

We are looking for coordinators and consortia on:

DIGITAL-EMERGING-52

Human/AI collaboration that needs knowledge capture and traceable AI support

MAT-PROD-42

AI tools that help to valorise academic research results and IP

Other Industry topics

Projects that need FAIR, machine-readable and traceable knowledge

Contact details

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knowledge pixels