

ONTO/TRANS

NEWSLETTER

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Contents

OntoTrans Final Project Video	2
Interviews with our Industrial Partners	2
OntoTrans Event Highlights	3
- OntoTrans M48 Consortium Meeting	3
- OntoTrans Semantic Materials Workshop	3
- OntoTrans @ First KG-AI Summit	4
- OntoTrans @ Semantics@Roche Conference	4
- OntoTrans @ MaterialsWeek 2024	4-5
Hot off the <i>Sustainability</i> Press	5
OntoTrans Consortium	5



OntoTrans

Ontology driven
Open Translation Environment

H2020-NMBP-TO-IND-2019

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Project acronym

OntoTrans

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Start / End

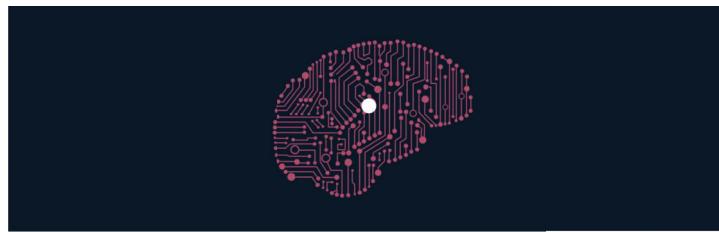
01.04.2020 - 31.07.2024

Web

<https://ontotrans.eu>



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OntoTrans Final Project Video

We are happy to present the final project video of OntoTrans!

As the cherry on top of the wrap up of the project, more than four years of research and collaboration are crystallised in about two minutes.

But as the saying goes: A picture says a thousand words.

Watch the video on the OntoTrans YouTube channel [here](#).

Special thanks to [Touché Videoagentur](#) for the extraordinary result!

Interviews with our Industrial Partners

Close collaboration with the industry enable the OntoTrans project to work on Innovation Cases that are situated in relevant environments. Not only did our industrial partners provide real-life data and examples of challenges in product development and manufacturing, but also a testing environment under realistic circumstances.

In the interviews, ArcelorMittal and Procter&Gamble partners talk about their roles in the companies and within the project, and answer questions about OntoTrans and ontologies, their impact, and the collaboration among research and industry.

Click the images for the full interviews.



Dr Julian Dizy
Senior Researcher



Dr Zhiwu Liang
Principal Statistician

OntoTrans Event Highlights

OntoTrans M48 Consortium Meeting

The OntoTrans Consortium met onsite for the last in-person Consortium Meeting from 19.-20. March 2024. Our host was Fraunhofer IWM in Freiburg, Germany. The full programme consisted of presentations from each work package and a tour at the venue concluded with a technical discussion on the Open Translation Environment (OTE). Our External Advisory Board also provided comments and all partners are happy about the great progress made in semantic knowledge management and interoperability. Despite the project coming to an end, the motivation of the partners is still going strong to bring ambitious goals to fruition and to promote them to a wider audience. We want to thank the whole consortium and extended team for their contributions throughout the years!



Semantic Materials Workshop

On 17. April 2024, the Semantic Materials Workshop took place at the Institute of Materials, Minerals & Mining (IOM3), U.K. It was organised in conjunction with OntoTrans partners. Presentations and discussions ranged from industrial requirements to implementations of semantic data management systems.

Industrial delegates from Johnson Matthey, Michelin, P&G and BASF were present at the workshop. UNIBO, SINTEF and Fraunhofer ISC presented ontology developments and applications in materials, and SciBite, Semantic Partners and metaphacts discussed their solutions.

OntoTrans partners consolidated ideas to establish a collaborative consortium offering consulting services based on Elementary Multiperspective Material Ontology (EMMO) to contribute to the era of “active metadata”.

For more insight from presentations and impressions of the event, please visit:

<https://ontotrans.eu/news/semantic-materials-workshop-2024/>



First KG-AI Summit

The very first Knowledge Graph Alliance (KGA) Summit at Cranfield University, UK, was all about semantics and knowledge graph technology. OntoTrans partner Goldbeck Consulting presented the European Materials Modelling Ontology (EMMO) conceptualisation framework supporting knowledge capture and interoperability.

KGA was founded in 2023 and is based in Brussels, Belgium. The summit was held on 19. April 2024 after the first General Assemblz a day prior. In the format of a dynamic workshop with keynote speakers consisting of domain experts, the aim was to enhance innovation, research excellence and practice-oriented applications.



Semantics@Roche Conference

From 28.-29. May 2024, the 7th Semantics@Roche conference took place in Basel, Switzerland. The OntoTrans project was represented by Gerhard (GCL), with a [poster](#) titled Elementary Multiperspective Material Ontology (EMMO): A foundational ontology for science-based applications.



MaterialsWeek 2024

OntoTrans presented during Materials Week 2024 within Session 3. Digital Innovation - Catalysing the Green & Digital Transition for Innovative Advanced Materials and Products! The topic of the session on 18. June 2024 was to promote collaboration among projects and initiatives focusing on digitalisation of innovative advanced materials.

The cross-disciplinary event assembled numerous related projects, such as OpenModel, NanoMCECommons, and MatCHMaker. The European Materials Modelling Council (EMMC) also participated as a sponsor and exhibitor.

For the abstract, poster and impressions onsite, visit our project website [here](#).



Hot off the *sustainability* journal

Towards Advancing Translators' Guidance for Organisations Tackling Innovation Challenges in Manufacturing within an Industry 5.0 Context

The new paper by our partners Fraunhofer IFAM, Goldbeck Consulting and Composites Evolutions explores how expert translators providing knowledge-based guidance for multiple stakeholders can contribute to technological innovations, resulting in a win-win interaction. It can be considered a step by step guide for finding consensus on milestones and solving innovation challenges together during a translation process.

Read the full article [here](#).

OntoTrans Consortium

