ONTO/TRANS NEWSLETTER

Welcome to our first OntoTrans Newsletter!

The H2020 project OntoTrans - „Ontology driven Open Translation Environment" started on April 1, 2020 for a period of 4 years.

It is coordinated by the TU Wien, Austria and the OntoTrans Consortium is constituted by 11 participants (6 companies and 5 research institutions) from 7 EU countries (AT, DE, UK, IT, BE, ES, NO) who gather all necessary background and expertise to achieve the ambitious objectives of the OntoTrans project.

OntoTrans provides an ontology-based Open Translation Environment. Its Artificial Intelligence approach enables end users to represent in a standard ontological form their manufacturing process challenges and to connect them with relevant information sources and materials modelling solutions, capable to support optimal materials and process design.

OntoTrans provides smart targeted guidance through the whole translation process, namely from the initial user case specification to actual materials modelling workflows with related validation, verification and uncertainty quantifications to deliver a full complete experience to companies. This is achieved via analysis of available data (data fusion), modelling workflow options, simulation and contextual results interpretation.

OntoTrans is fully integrated into existing and emerging developments in materials and manufacturing, including integration with digital materials modelling marketplaces and open simulation platforms. Its footing on the European Materials Modelling Ontology ensuring wide interoperability and standardisation.

Read more...

OntoTrans

**Ontology driven
Open Translation Environment**

H2020-NMBP-TO-IND-2019

Coordinator

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Project acronym

OntoTrans

EC-Grant agreement

862136

Start / End

01.04.2020 - 31.03.2024

Open Translation Environment - OTE

OntoTrans will provide a general-purpose ontology-based **Open Translation Environment (OTE)** able to support the development of dedicated Apps delivering a smart guidance for materials producers and product manufacturers (including associated Translators) through the whole steps of the translation process.

Read our news post on our website dealing with following topics:

What is OTE?
Who will use OTE?
OTE the future!

Read more...

Webinar on Translation

OntoTrans and two European materials modelling projects (Marketplace and VIMMP) will jointly organise on the European Materials Modelling platform the webinar on „**Translation and how it will evolve in Open Translation Environments and the EU Materials Modelling Marketplaces**" on **January 20, 2021 / 15:00 CET**

In the webinar we will share with the audience how we envisage Translation to evolve on Open Translation Environments (within the OntoTrans project) and how we envisage the EU materials modelling marketplaces (within both the MarketPlace and VIMMP projects) to be particular platforms for it.

Read more...

ECCOMAS Congress 2020

OntoTrans will present two talks at the ECCOMAS Mini-symposium

MS216: ONTOLOGY BASED MATERIALS MODELLING, OPTIMIZATION AND DESIGN APPLIED TO MODELLING TRANSLATION SERVICES AND BUSINESS DECISION SUPPORT SYSTEMS

The 14th WCCM & ECCOMAS Congress is organised as Virtual Congress from January 11-15, 2021.

Read more...

Online Talk with pupils at Norlington School (London, UK)

Alex Simperler (Goldbeck Consulting) has given an online talk on "Modelling and Materials Innovation" to Norlington School in London for their Science Enrichment Club.
23 pupils and their teacher discussed about

(i) „Why we need innovative materials?", (ii) „What can modelling do? (iii) „What do we do when we "do modelling"?" and (iv) „What does our Project OntoTrans do?"

Read more...

EMMC International Workshop 2021

Following successful events held in Vienna in 2017 and 2019, the **3rd EMMC International Workshop will take place in a digital format March 2-4, 2021**, while retaining its key element of extended discussion sessions covering the EMMC Focus Areas, Modelling development, Interoperability, Digitalisation, Software, Impact in Industry and Policy.

Information on the program, plenary talks, invited speakers, .. you will find on the EMMC 2021 event page. Registration is already opend!

OntoTrans will be presented in the poster session and you are welcome to learn more about the project!

Read more...

OntoTrans - EMMC Related Project!

OntoTrans project contributes to the cluster of materials modelling projects within the European Materials Modelling platform and provides synergies with other relevant projects in the field, ensuring wide stakeholder involvement in Translation and Open Translation Environment - OTE.

EMMC will provide the framework for collaboration and support OntoTrans dissemination acitivities among the European Materials Modelling community.

OntoTrans would like to encourage you to contribute to translation topics and support further development of the role of the Translator within the EMMC Focus Area „Impact to Industry". You are welcome to join!

Read more...

OntoTrans Consortium Meetings

M1 Kick-off Meeting / Online / April 21, 22 & 24, 2020

M6 Consortium Meeting / Online / October 7-8, 2020

OntoTrans Consortium