OntoTrans
Ontology driven Open Translation Environment

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ABSTRACT

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. It's footing on the European Materials Modelling Ontology (EMMO) ensuring wide interoperability and standardisation.

REFERENCES

https://ontotrans.eu/