



The role of ontologies in the MarketPlace project

Brussels, June 29th 2018

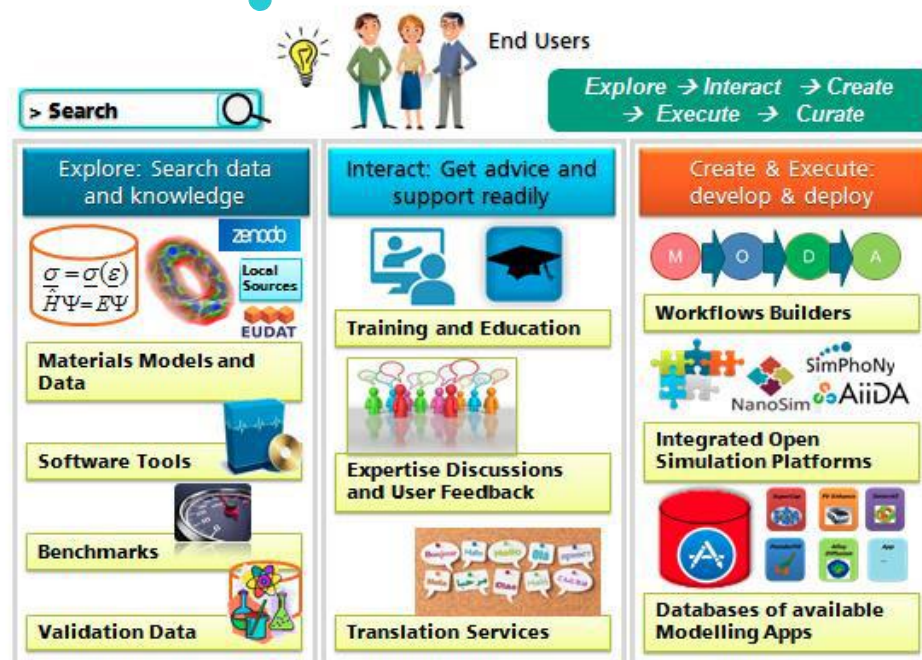
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Ontologies in the MarketPlace* project(s)

- **Connect relevant actors** and stakeholders with each other and industry, breaking through geographical and community barriers
- **Facilitate collaboration** and open information exchange
- **Connect materials data** repositories to enable Big Data informatics and analytics on materials (Machine Learning, AI...)
- **Accelerate development** of materials modelling solutions (ICME...)



Many sources of **data, information and knowledge** that needs management, processing and curation!



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Different types of information

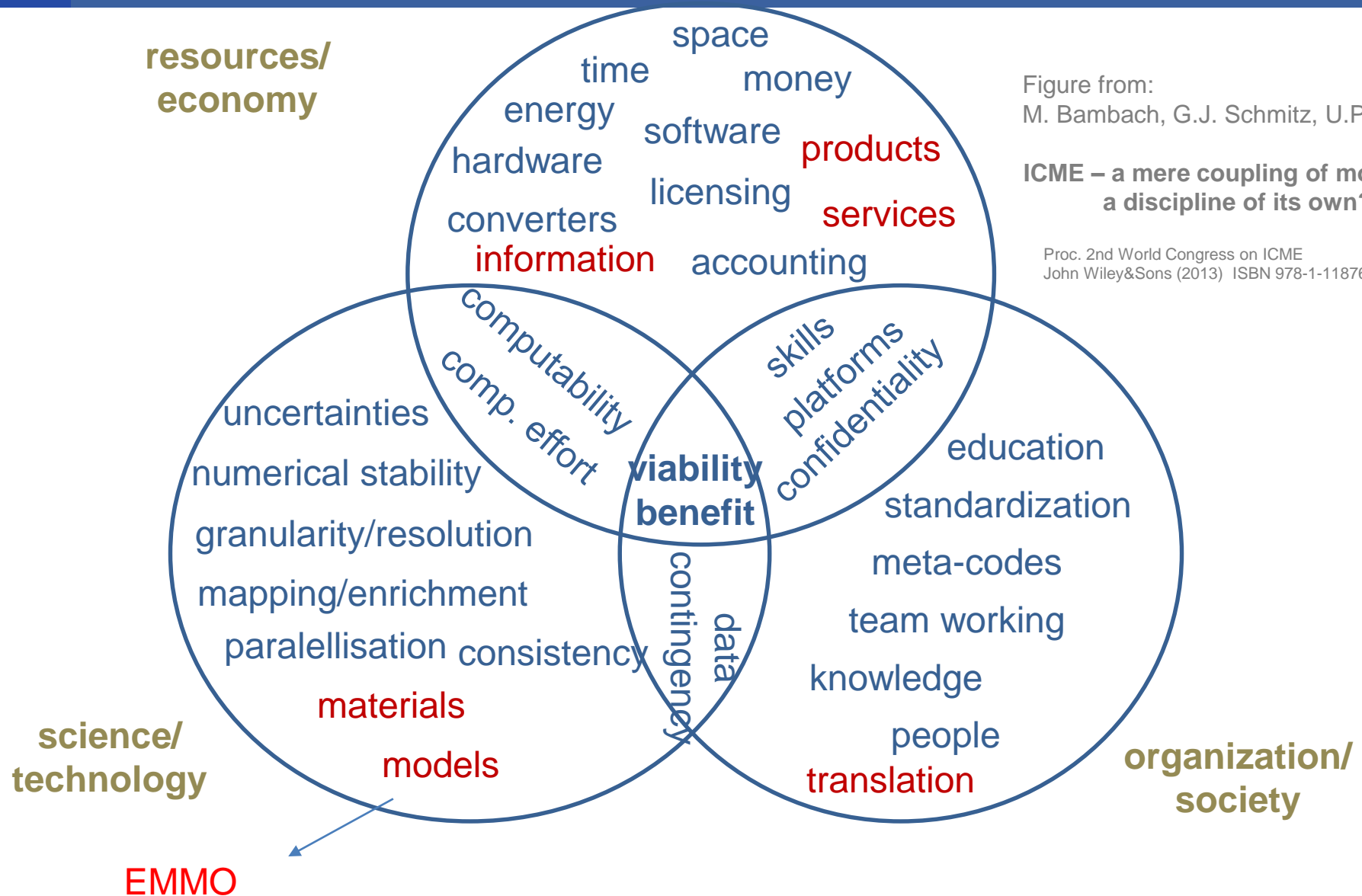


Figure from:
M. Bambach, G.J. Schmitz, U.Prahl:

**ICME – a mere coupling of models or
a discipline of its own?**

Proc. 2nd World Congress on ICME
John Wiley&Sons (2013) ISBN 978-1-11876-689-7



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Initial „MarketPlace“ taxonomy (Version 0.1)

MarketPlace - a legal entity

Infrastructure

- **Seat**
- **Site**
- **Hardware**
- **Software**
- ...

Stakeholders

- **Customers**
 - software owners
 - academia
 - manufacturers
 - translators/
consultants
- **Employees**
 - management
 - Staff
- **Supervisory boards**
- **Government**
- **(project partners)**
- **Shareholders**
- **Individuals**
- ..

Business

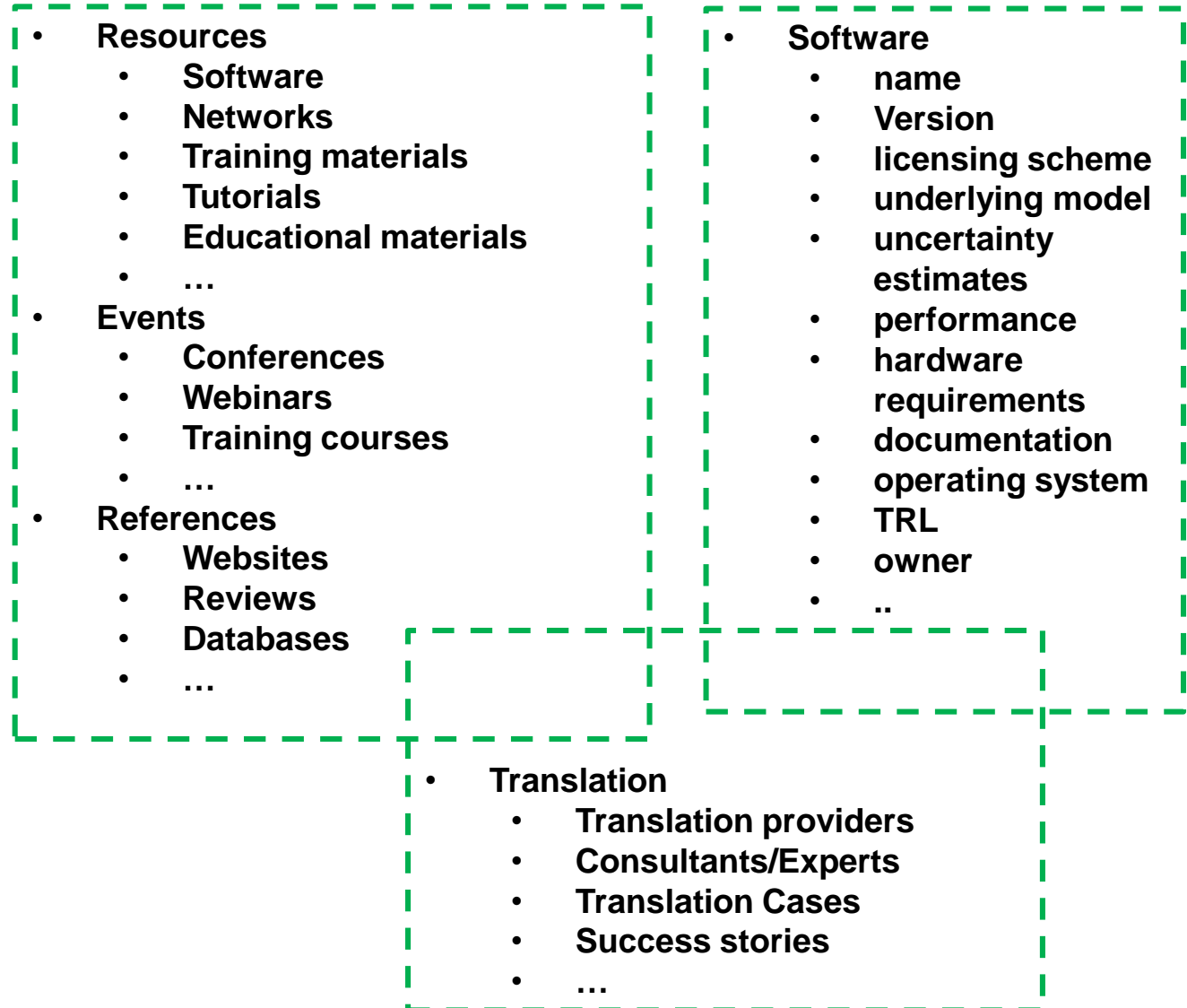
- **Vision**
- **Mission**
- **Finances**
- **Products**
 - **Workflows**
- **Services**
 - information
 - **SaaS**
 - **HaaS**
 - translation
 - training
 - consultancy
 - advertisements



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„MarketPlace“ economics taxonomy (V 0.1)

- **Services**
 - **Information**
 - **Simulation**
 - **SaaS**
 - **HaaS**
 - **Workflows**
 - ...
 - **Translation**
 - **Training**
 - **Consultancy**
 - ...
 - **advertisements**





In collaboration with other initiatives – especially VIMMP- :

- the MarketPlace project is to develop ontologies for
 - Training,
 - Translators and Translation,
 - Experts and Expertise
 - Software
 - ...
- ... in fact for anything that will be traded on the MarketPlace

