

Expert Group Profile

Description of the Committee

Name of the Domain	Industry Core
Name of the Expert Group	Material
Association Contact	Thibault Grandemenge

Description / Challenge / Initial Situation:

Use of Material Data in Catena-X

- Multiple existing Catena-X use cases already incorporate *material data* to some extent.
- A growing number of future use cases are expected to rely on material data.
- The **International Material Data System (IMDS)** is the *de-facto standard* for material data exchange in the automotive sector.
- Most **OEMs** and **suppliers** globally use IMDS as their primary platform for exchanging detailed material composition data.

Goals:

Unified Aspect Model

- Develop a **common aspect model** for material data, shared across all Catena-X use cases.
- Base the new aspect model on the **IMDS data model** to ensure interoperability.

Integration with IMDS

- Enable Catena-X dataspace participants to connect seamlessly with IMDS.
- Allow companies to operate entirely within the Catena-X dataspace while still exchanging material data with partners that only use IMDS.
- Avoid duplicate data handling while fostering industry-wide collaboration.

New standard for which release:

- none

Adaptation to standards for which release:

- none

New KIT for which release:

- none

Adaptations to new KITs for which release:

- Industry Core KIT

Don't forget to work with Tractus-X regarding the implementation and alignment with other initiatives. For further information on the roles, have a look at the [Working Model](#).

Expert Group Profile

Why should I participate?

- **Influence Industry Standards:** Contribute to shaping the common material data aspect model for Catena-X, directly impacting future interoperability across the automotive sector.
- **Enable Seamless Integration:** Ensure the aspect model aligns with the IMDS data model, simplifying data exchange with OEMs and suppliers.
- **Improve Efficiency:** Reduce duplicate data handling by enabling smooth connections between Catena-X dataspace and IMDS.
- **Strengthen Collaboration:** Be part of a cross-company expert group that fosters innovation and data-driven solutions in material data usage.

What is expected of me?

- **Active Contribution:** Participate in discussions, workshops, and feedback loops to refine the aspect model.
- **Domain Expertise:** Provide knowledge of material data requirements, standards, and industry practices.
- **Validation & Testing:** Support testing of the aspect model against real-world use cases and IMDS integration scenarios.
- **Collaboration:** Work with other industry representatives to ensure the model meets diverse needs across the supply chain.
- **Commitment:** Dedicate time and resources to ensure timely progress and high-quality deliverables.

For more information on the responsibilities of an Expert Group, have a look at the [Working Model](#).

Organisation

Selection Framework:

The Committee selection framework and criteria is aimed at selecting members who possess the right blend of expertise, commitment, and diversity to foster expansion. Please find below an outline of requirements for Committee members. When applying, please make a statement on the following criteria to outline your best fit.

- Proper expertise in the field of standardization and aspect modelling
- Minimum availability of 20 hours per month, more is a plus.
- Commitment to regular, active participation and active contribution.
- Subject matter expertise in the area of material data.

We are searching for max. 10-15 members across the industry (suppliers of different sizes and materials, OEM, SME).