

Plenary Lecture

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**Constituency building and standardisation in the NMBP programme:
physics-based modelling and data sharing**

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Abstract

Horizon Europe, the next frame work programme, will deal with Big Data and Artificial Intelligence. In order to prepare that the NMBP Programme will prepare Industry Commons. In the WP2020 there will be two Calls (to be launched in July 2019) on data sharing. One call will deal with ontologies in materials and manufacturing. The other will create a market place for NMBP-related data.

The state of the art in data documentation in the modelling area (MODA) and characterisation area (CHADA) will be presented. The modelling market place, a forerunner of the Industry Commons market place, will be presented. The European Materials Modelling Council will be shown as a good example of constituency building with its successful scope of joint activities.