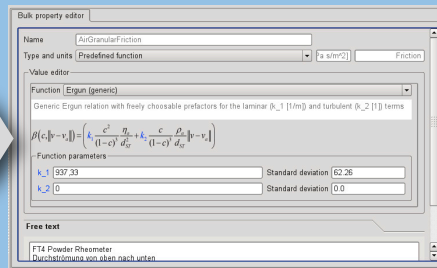Experimental Characterization

Characterization Database

Simulation Studies

GRAIN

MATERIAL-SENSITIVE VIRTUAL PROCESS ENGINEERING

- Experimental characterization of relevant Particle properties and Bulk properties (including Particle-Air interaction for resting bulk, internal friction and wall friction angle)

- Current research includes granular pressure/ temperature and particle-air interaction for dynamic bulk

- Bulk material characterization interface and database

- Virtual engineering chain from material characterization to process simulation

- Standardized and documented characterization methods

- Open XML-based file format

Project partner:

Fraunhofer

IKTS