

Ambition: transforming scientific knowledge into aids for industrial conception and/or decision making on complex systems involving couplings

- ⇒ new approaches involving multi-physics and multi-scale phenomena
- ⇒ Combined developments in experiments/simulations/instrumentation.

Main outputs

- advanced simulation and modeling tools
- new technologies with varied applications
- New content in education

- Demonstrators
- Summer school
- New M2 on Biorefinery

Main application fields

- Environmental engineering
- Civil engineering
- Process engineering
- Biorefinery
- Space and aeronautics
- Energy production and saving
- Health

- Bus. Dev.: Mathieu Tilquin
- Enhanced partnerships: industries, clusters Axelera, Plastipolis, Tenerrdis, Techtera, Indura, ASTech
- R&D projects,
- Student training programs



Core partners: 3SR, LEGI, LGP2, LRP, Liphy (DyFCom team), Irstea (ETNA team)
SIMAP (EPM team) 250 Scientists, engineers and technicians, 190 PhDs, 6.5 M€
Main disciplines: Mechanical engineering, Process Engineering, Soft Matter Physics

Main current projects

