

Goal of the grant



Twinning in Environmental Data and
Dynamical Systems Modelling for Latvia

The TED4LAT research programme revolves around an interdisciplinary research agenda to be developed over an intertwined period of research at the Latvian institutions (RTU, ViA and LiepU) and at the international institutions (LISC @INRAE and Department of Applied Science and Technology @POLITO, Torino, Italy). The research programme involves the following disciplines (further details are reported in the TED4LAT project documents):

1. Physical sciences Subdiscipline: condensed matter physics Descriptor: Structure and dynamics of disordered systems: soft matter (gels, colloids, liquid crystals, etc.), liquids, glasses, defects, etc.

2. Computer sciences, information science and bioinformatics Subdiscipline: Artificial intelligence, intelligent systems, multi agent systems Descriptor: Scientific computing, simulation and modelling tools

3. Environmental engineering Subdiscipline: Environmental and geological engineering, geotechnics Descriptor: Sustainable design (for recycling, for environment, eco-design)

The TED4LAT research scheme will involve PhD students, post-docs or junior researchers from the Latvian teams participating in the TED4LAT project.

The goal of the scheme is to help these researchers to improve the quality of their research and to publish in high rank journals. With this aim, each participating researcher will be advised by an experienced researcher from LISC @ INRAE (Clermont-Ferrand, France) or from the Department of Applied Science and Technology @ POLITO (Torino, Italy) who will follow their research, give advice on methods and help writing papers. The advisor will work in close collaboration with the Latvian supervisor or team leader of the researcher.

In practice, the junior scientists organise monthly meetings with their advisor and supervisor. After each meeting, the junior scientists sends a short synthesis of the main points of the meeting to all participants and to the coordinator of the TED4LAT work package 4.

The involved researchers will also visit the laboratory of their advisor and attend researcher schools as planned in TED4LAT.

The junior researcher should inform beforehand their supervisor, their TED4LAT advisor and the TED4LAT committee of any potential involvement of other people in the TED4LAT project.