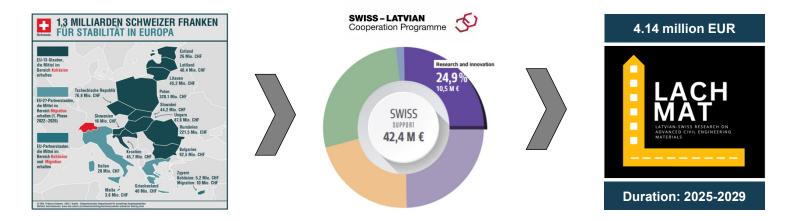
LACHMAT Latvian-Swiss research on advanced civil engineering materials

Empa live – Wo Innovation beginnt

Contact: M.Zaumanis (martins.zaumanis@empa.ch), Concrete and Asphalt Laboratory, Überlandstrasse 129, Dübendorf, Switzerland





Research topics



Climate-change adaptive pavement structures



Sustainable solutions for development of advanced road pavement materials



Ultra-High Performance Fiber Reinforced Concrete for application as shotcrete



Long-term performance and durability of 3D printed concrete with local minerals

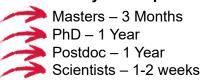
Research capacity strengthening

During the LACHMAT project:



16 Highschool students16 Bachelor students8 Masters students4 PhD students3 Postocs

Research stays at Empa



Research stays at RTU

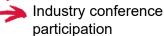


Scientists – 1-2 weeks

Industry involvement



Development of materials
with high TRL
Winter schools



Industry advisory board Publications in industry

journals Final showcase conference

- in Riga
- Open-access publications

Inclusivity



 50 % - female recruits
30% high-school students from regions
RTU scientist visits in Latvian regions