

Seminar Invitation

Estimation and monitoring of the effective reproductive number of SARS-CoV-2

Speaker **Jana Huisman, Doctorate at D-USYS, ETHZ**

When **April 13, 2021, 16.00 - 17.00**

Where Online via Zoom, contact admin.umik@eawag.ch for access details

Abstract The effective reproductive number R_e is a key indicator to monitor the transmission dynamics of an infectious disease. Since the start of the SARS-CoV-2 pandemic, our team has estimated this quantity for Switzerland and abroad, directly informing the Swiss government and the Federal Office for Public Health. Here I will detail how we estimate R_e from a variety of clinical case report data, as well as more recent advances to estimate R_e from SARS-CoV-2 viral concentrations in wastewater. These estimates are a valuable tool to assess the impact of public health policies or other external covariates such as mobility, behaviour, or weather data.