

Università degli Studi di Brescia
Dipartimento di Ingegneria Civile, Architettura,
Territorio, Ambiente e Matematica - DICATAM



We announce two seminars by:

Dr. Victor Stepanenko

Lomonosov Moscow State University

Deputy Director for Research at Research Computing Center,

Leading Researcher at Faculty of Geography



The Seminars will be taken online at <https://meet.google.com/ufo-gjnh-tvk>

Tuesday 18/5/2021 13.45-15.30

"1D lake modeling: concepts, examples, applications"

This seminar is aimed at introducing some basic concepts of process-based modeling of lakes with emphasis on 1D models, pointing out capabilities and limitations, classical and new applications in limnology and climate sciences. Most examples are given for 1D LAKE model, developed at Moscow State University

Friday 21/5/2021 14.30-16.30

"New developments in 1D lake models: treatment of internal motions and mixing, biogeochemistry of greenhouse gases"

This lecture is devoted to specific novel extensions of classical 1D formulations implemented in LAKE model including treatment of basin-scale internal waves, throughflow in artificial reservoirs, sediment and in-water biogeochemistry of greenhouse gases. The prospects of new studies are outlined.