



## The Institute of earth surface dynamics opens a position of

### Postdoctoral researcher in dynamical atmospheric modelling

Starting date:	from 01.08.2021
Position duration:	2 years
Level of activity:	100%
Work location:	Lausanne Mouline (Geopolis)

#### Work description:

The successful candidate will work within the research project "**Rainfall and Floods in Future Cities**", founded by the SNSF Eccellenza. The overarching goal of the project is to improve the knowledge of how the magnitude and occurrence of floods will change in future cities following the changes that are foreseen to extreme rainfall events and intensities.

In particular for this position the postdoctoral researcher will focus on high space-time resolution modelling of rainfall in urban environments using convective-permitting models (CPM), and on understanding the urban climate processes that affect extreme rainfall.

#### Candidate profile:

The chosen candidate will have a PhD degree in atmospheric sciences, meteorology, physics, hydrometeorology, or a related domain. A requirement for this position is a strong background in climate dynamics, an extensive experience in modelling with CPM (e.g. WRF, COSMO or other), excellent programming and data analysis skills, and a proven ability to publish in peer-reviewed journals. Excellent skills in written and oral English are required.

#### Application documents:

Applications should imperatively comprise all of the following:

- Letter of motivation
- Curriculum Vitae
- Copy of university degrees certificates
- List of relevant authored or co-authored publications
- The names and contact information of three references

Questions regarding the application can be addressed by email to Nadav Peleg ([nadav.peleg@ifu.baug.ethz.ch](mailto:nadav.peleg@ifu.baug.ethz.ch)). Apply online: <https://bit.ly/39HeBeK>

**Application deadline:** 15 March 2021

