

# Special meeting on Geography Education

Faculty of Science, Charles University

Albertov 6, Prague 2

Mineralogická posluchárna

Friday, 26<sup>th</sup> April 2019

Register by e-mail: [martin.hanus@natur.cuni.cz](mailto:martin.hanus@natur.cuni.cz)

Registration deadline: **24<sup>th</sup> April**

Lecturer: **Tim Favier, Utrecht University**

**9:30–10:30**, Mineralogická posluchárna

## **Geographic relational thinking**

One of the facets of geographic literacy is the ability to think in a structured way about geographic relationships (Jackson, 2006; Taylor, 2006). This kind of thinking is needed in order to understand challenges in the world around us, to form an opinion about these challenges, and to design solutions for these challenges. Previous studies have shown that geographic relational thinking can be stimulated in lessons that focus on solving mysteries (Karkdijk, Van der Schee & Admiraal, 2013), and lessons with geospatial technologies (Favier & Van der Schee, 2014). The workshop has three aims: (1) to discuss the nature of geographic relational thinking; (2) to develop a competency framework of geographic relational thinking; and (3) to develop theory-based design principles for stimulating students' geographic relational thinking.

**10:45–12:30**, Mineralogická posluchárna

## **Thinking through geography: Mysteries**

Mysteries are a powerful type of learning activity to increase students' understanding of the causes of changes in regions. A mystery starts with a challenging question. Students have to answer this question by analyzing several cards with information, and drawing relationships between them. In this workshop, we will have a look at a couple of mysteries, and discuss how they can be used in teaching geography. Also, we will investigate how concept mapping activities can be designed and conducted with students, in order to stimulate their understanding or relationships between phenomena.

**15:15–17:30**, computer room Z3

## **Fieldwork and geospatial technologies**

Geospatial technologies offer many possibilities for supporting fieldwork activities in secondary education. In this workshop, we will have a look at examples of the fieldwork projects. Then, we'll explore the possibilities of smartphone applications for setting up excursions in which students follow a route on their smartphone and answer questions at spots of interest. In this workshop, use is made of simple, freely available mapping, collector and excursions apps.

**Bring your own Smartphone or tablet!**