



## NOMINATIONS

### TRIBUTE:

Professor Olli Varis was appointed as an Aalto Distinguished Professor, 9/2019

### PROFESSORSHIP:

Dr. Matti Kummu was appointed as an Associate professor in the Department of Built Environment, 9/2019

## LATEST RESEARCH

### DOCTORAL DISSERTATION:

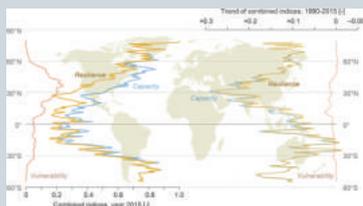
**The water we eat: Methods for estimating water use of diets in changing food systems**

*Jalava et al. (2019)*

### ARTICLES AND DATASETS:

**The planet's stressed river basins: too much pressure or too little adaptive capacity?**

*Varis, O. et al. (2019)*



**The water planetary boundary: interrogation and revision**

*Gleeson et al. (2019)*

**Integrating the water planetary boundary with water management from local to global scales**

*Zipper et al. (2019)*

### MASTER'S THESIS:

**Water diplomacy – Establishing an analytical framework for water diplomacy with case studies from Central Asia and Iraq**

*Salminen, E. (2019)*

**The effects of drought on Finnish cereal grain production**

*Kouki, R. (2019)*

## WDRG TRAVELS



### University of California | Oct. 2019 - Jan. 2020

Doctoral researcher Pekka Kinnunen is visiting the University of California, Berkeley, for three months. Kinnunen is working together with Professor Paolo D'Odorico.

### Australian National University | Nov. - Dec. 2019

Doctoral researcher Marko Kallio is visiting the Australian National University, Canberra, for a month. Kallio is working together with Dr. Joseph Guillaume.

WDRG is a multi- and interdisciplinary research group, working rigorously on various aspects of water. The research themes varies among from 'water for food' to 'role of power and politics in water management'. WDRG has a strong modeling knowledge on big data and spatial analysis from local to global scale.

## NEW RESEARCHERS



### Dr. Dandan Zhao | Postdoc

Zhao is a postdoctoral researcher from Beijing Forestry University, China. Her research focus is on water resource management, environmental input-output analysis and structural decomposition analysis. Zhao will be with WDRG until the end of the year 2020.

### Johannes Piipponen | DSc. Researcher

Piipponen is a former agricultural economist, who somehow ended up working with engineers. His research focus is on the global capacity of food production and, more precisely, on sustainable livestock production.



### Vili Virkki | DSc. Researcher

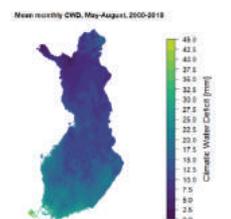
Virkki's objective is to estimate the future food system opportunity space at the sub-national scale with restraints set by integrated planetary boundaries. Essentially, this means a tricky global-local transformation spiced with traditional problems related to the use of shared resources.

## BLOG ENTRIES

*Our blog delivers our day-to-day research to wider audience!*

### Earth Engine: imperfect, but powerful

Google Earth Engine is a cloud-based platform for geospatial analysis. This post is about the pros, cons, and applications of it. [Read more!](#)



### October:

- Johannes Piipponen: [Generalist vs. specialist – which way to go and what does it matter?](#)
- Erik Salminen: [Establishing an Analytical Framework for Water Diplomacy](#)

### September:

- Anni Juvakoski: [Shining light on solar disinfection – an account of writing a master's thesis](#)
- Erik Salminen: [Experiences from World Water Week 2019](#)

### August:

- Mika Jalava: [How much water do you eat?](#)
- Lauri Ahopelto: [The Winland project ended with a multitude of policy briefs and research articles](#)