

# Geospatial Challenge Camp 2023

## CALL FOR RESEARCHERS AND STUDENTS

Image by Gerd Altmann from Pixabay

# DIGITAL SOLUTIONS WITH SUSTAINABILITY IMPACTS

Geospatial Challenge Camp aims at solving  
real-world sustainability challenges with open  
data and location technologies

Image by Gerd Altmann from Pixabay



# CHALLENGE THEME 2023: Health and well-being

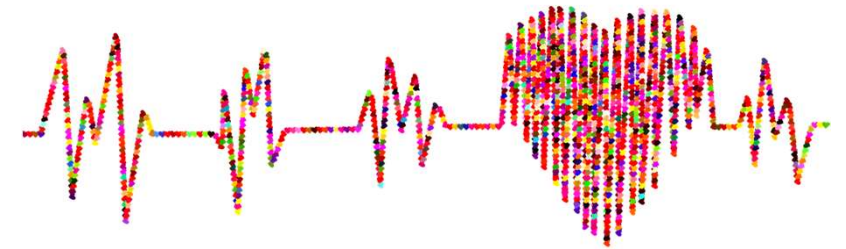


Image by Gordon Johnson from Pixabay

## Possible sub-themes

Accessibility	Infectious diseases	Healthy living habits	Quality of life and well-being
Public health	Environmental health	Injuries and accidents	Medical Logistics

**Multi-disciplinary teams of young scientists** work in close collaboration with different stakeholders to co-create digital and social innovations with location data and digital technologies



# OPEN CALL FOR RESEARCHERS

**WHEN:** a 10-weeks co-creation challenge (September – December 2023), 5 ECTS

**FOR WHOM:** young researchers (master students, doctoral and post-doctoral researchers) from different universities, research organizations and disciplines

## LEARNING OBJECTIVES:

### Improved scientific skills:

in conceptualizing complex location-related problems in the society, and better understanding of how these problems can be tackled with geospatial data, geoprocessing, automation and digital technologies

### Technical, hands-on competencies:

to identify, use, assess, process and enrich geospatial data and digital technologies and provide novel solutions to needs posed by the stakeholders of the challenge

### Skills to plan and manage team work:

which runs over several weeks and manage sub goals, milestones and deliverables, and recognize the roles and responsibilities of members in a project team, linked with the team deliverables

### Improved confidence:

in working in a multi-skilled team, knowing how to assess and communicate progress and results of the team work to stakeholders with diverse backgrounds.

# CHALLENGE SCHEDULE – key dates

## Week 1

### Challenge introduction phase

**25.-26.9 Kick-off event at Aalto University, Espoo** (physical)

Introduction to the challenge theme, networking with stakeholders, forming teams

A half-a day public seminar with all the participants and collaborators

A 1,5 day workshop with the participants and key mentors

Getting to know the societal context of the challenge as a team

## Week 2

### Challenge specification phase

Analyzing the broad challenge, learning insights, getting familiar with data and tools

Specification of the team's problem/sub-challenge and gathering resources and contacting stakeholders

## Weeks 3 – 5

### Prototyping/ideation phase

Rapid ideation of solutions and testing data and tools

Validating ideas with stakeholders

**12.-13.10 Data science training at CSC** (hybrid)

**1.11 Mid-term Seminar at the University of Turku** with groups' and mentors' interaction and feedback day (physical)

## Weeks 6 – 9

### Solution-building phase

Team working time to work solutions based on feedback

Mentors offer mentoring sessions

## Week 10

### Finalization phase

**1.12 Final seminar and challenge feedback and summary session at Otaniemi, Espoo** (physical)

Groups pitch their solutions to the rest of the course, stakeholders and general audience

# NEXT STEPS

- More information and sign up as a participant at:

<https://challenge-camp.geoportti.fi/>  
**deadline 1.9.2023**

- Set the kick-off event and key meeting dates into your calendar!
- Questions? Contact us at [geospatial-challenge@utu.fi](mailto:geospatial-challenge@utu.fi)