



# CMES

CENTRE FOR ADVANCED  
MIDDLE EASTERN STUDIES

2023-12-19

## Internship, Dust-Storm Project

CMES is offering 1 part-time internship within the MECW project “[AI in the Service of Socio-Politically Adapted Sustainable Dust-Storm Control in the Middle East](#)”.

The Centre for Advanced Middle Eastern Studies (CMES) coordinates the Strategic Research Area (SRA) “[The Middle East in the Contemporary World](#)” (MECW). The research program consists of four research themes: 1) Environment and sustainable development; 2) Security and sustainable peace; 3) Democratization, migration and sustainable socio-economic development; and 4) Religion, identity and culture.

### Project Description

The goals of this interdisciplinary project are to identify the climate- and human-induced sources of dust and to determine and explain the factors affecting the dust-source areas such as climate variation, land-use change, social, political, and economic drivers, and water management in time and space using remote sensing and artificial intelligence techniques. It will use agent-based models to simulate possible solutions to control and/or reduce dust-storms in the Middle East (ME) considering the impacts of proposed solutions from social, political, economic, and environmental perspectives.

### Qualifications

- Be a registered student at Lund University for the duration of the internship
- Skills in English – required
- Good written and verbal communication skills

## Intern Responsibilities

The exact tasks to be carried out by the intern will be discussed with the research team but may include:

- Assisting the research team in collecting and compiling written data on the subject area
- Assisting the research team in analyzing primary and secondary data
- Assisting the research team in writing reports on the subject area

## Internship Details and Duration

The internship is unpaid, part-time and temporary.

- Number of positions: 1
- Duration: 1 February – 2 June 2024 (or as per agreement)
- Part-time: At most 8 hours/week as per agreement

## Application

Submit the application form and a CV (no longer than 2 pages) to [ansokan@cme.lu.se](mailto:ansokan@cme.lu.se) no later than 19 January 2024.

## Contact Information

Dr. Hossein Hashemi, Principal Investigator of the project, CMES Researcher and Associate Professor at the Division of Water Resources Engineering (Department of Building and Environmental Technology), [hossein.hashemi@tvrl.lth.se](mailto:hossein.hashemi@tvrl.lth.se)

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