

**Researcher/Developer: Cooling Singapore  
Singapore-ETH Centre**

The **Singapore-ETH Centre for Global Environmental Sustainability (SEC)** is a joint initiative between ETH Zurich and Singapore's National Research Foundation (NRF). SEC is an equal opportunity and family-friendly employer. All candidates will be evaluated on their merits and qualifications, without regards to gender, race, age or religion.

Cooling Singapore (CS) is a cross-institutional interdisciplinary research project dedicated to improve the thermal comfort of tropical Singapore. More specifically, CS aims at developing a roadmap for mitigating the Urban Heat Island (UHI) effect in Singapore. The project is jointly carried out by ETH Zurich, Massachusetts Institute of Technology (MIT), Technical University of Munich (TUM) and National University of Singapore (NUS). More information can be found at [www.coolingsingapore.sg](http://www.coolingsingapore.sg).

We are recruiting per September 1, 2017, or by mutual agreement a Researcher/Developer.

**Key responsibilities**

- We are looking for a highly skilled and motivated candidate to develop web-based prototypes for various models developed by the Cooling Singapore project and to provide general software development services in the context of the Cooling Singapore project.

**Key Skills**

The candidate should have

- a degree or diploma in Computer Science or related discipline (e.g., Software Engineering) and at least 2 years of experience
- a proven track record in managing software developments projects
- experience with web development (e.g., JavaScript), web visualisation (e.g., three.js) and Google maps API is highly beneficial
- experience with graphics design is highly beneficial
- strong communication skills and good command of English are essential as this role involves not only software development activities but also requires liaising with the various researchers in the team

The work place is at the Singapore-ETH Centre in Singapore. The appointment will be initially for a duration of one year with an opportunity for further extension.

**Work location:** 1 Create Way, CREATE Tower, Singapore 138602 (NUS University Town)

**Duration:** Full-time position, 1 year

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## About Singapore-ETH Centre

The Singapore-ETH Centre was established as a joint initiative between ETH Zurich – the Swiss Federal Institute of Technology in Zurich and Singapore’s National Research Foundation (NRF), as part of the NRF’s CREATE campus. The centre serves as an intellectual hub for research, scholarship, entrepreneurship, postgraduate and postdoctoral training.

The centre currently runs two research programmes, the [Future Cities Laboratory \(FCL\)](#), followed by [Future Resilient Systems \(FRS\)](#). It is home to a community of over 100 PhD, postdoctoral and Professorial researchers working on diverse themes related to sustainable cities and resilient infrastructure systems. In the course of their work, researchers actively collaborate with universities, research institutes, industry, and government agencies with the aim of offering practical solutions.

## Apply

Applications with a cover letter (one page) including a short statement of experience and qualification should be submitted together with a comprehensive CV to Dr Conrad Philipp ([philipp@arch.ethz.ch](mailto:philipp@arch.ethz.ch)). In your cover letter, please include links/references to web projects that you have worked on with a clear indication of your contribution to the project. In particular, creative projects with strong visual and interactive contents are of interest to us.