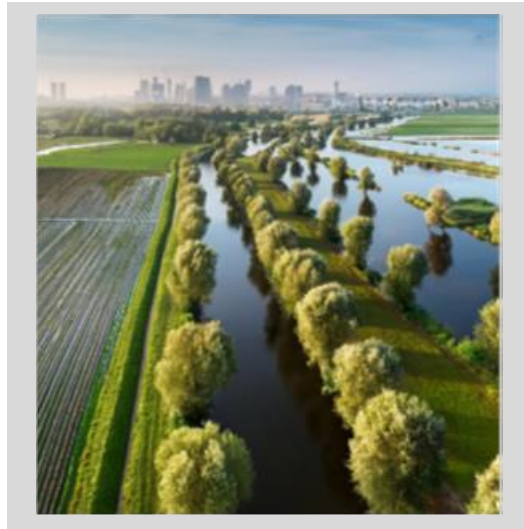


How to transform the Green Heart into a prosperous climate resilient biodiversity hotspot by 2100?

Climate change and biodiversity loss call for changes in the way we use, design and organize our environment within our economic system. But what solutions are possible and desirable? To find out, it is important to think about that future with an open and free mindset and experiment with innovative ideas solutions from differ perspectives. In short, we are looking for students from many different fields of study! Do you help us find and/or analyze solutions for a sustainable landscape of the future?"



Will the Green Heart in 2100 look like this?!

Leiden Delft Erasmus Thesis Lab

This research will be executed within the thesis lab of the 'Leiden-Delft-Erasmus' collaboration. In these thesis-labs, we are thinking 75 years ahead by conducting scientifically grounded thought experiments to conceive and assess new spatial opportunities and possibilities for sustainable future. For the direction of your thesis, you can define your own research questions (see examples below) directed towards Rewilding of the Green Heart and Sustainable Food production. At the same time learn, share and collaborate with other motivated students and contribute to a common, interdisciplinary result with real impact. This is a highly valuable extracurricular program that can support you in your master's thesis process.

Example Research questions

- How can we use remote sensing techniques to evaluate the ideal state of a rewilded Green Heart given the climate pressures in 2100?
- How can water buffering compensate for the effects for climate change on water quantity management in the Green Heart by 2100?
- How will the development of new water, agro-ecological, or reforestation areas in the Green Heart affect the local climate by 2100?

Find out more about this Thesis Lab on our website:

[The \(really\) green heart, year 2100 | LDE initiative Climate and Biodiversity.](#)

You can apply until October 13, 2024 (23:59).

Academic Coordinator:

Joram Lammers

j.a.lammers@cml.leidenuniv.nl

TU University Supervisor:

Joris Timmermans

joris.timmermans@tudelft.nl

General coordinator:

Esther van der Ent

LDE_CfS@cml.leidenuniv.nl