



# LDE MINOR PROGRAMME

## Frugal Innovation for Sustainable Global Development

### About CFIA

The Leiden-Delft-Erasmus Centre for Frugal Innovation in Africa (CFIA) is a multidisciplinary research centre in between three leading Dutch universities. We combine the expertise of Leiden University, Delft University of Technology and Erasmus University Rotterdam in understanding the possible impact of frugal innovation on sustainable, global development. This minor programme is focused on exactly that question. It is hosted by the African Studies Centre Leiden (ASCL) and coordinated by dr. André Leliveld, one of the founders and directors of CFIA. André Leliveld is the academic coordinator of this minor programme.

### More information?

Students at Leiden University: check the eStudiegids  
Students at Delft University of Technology: check the online Studiegids  
Students at Erasmus University Rotterdam: check the EUR minor website

*or get in touch with us!*

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# Frugal Innovation

## for Sustainable Global Development

A minor programme offered by the  
Leiden-Delft-Erasmus Centre for Frugal Innovation in Africa

frugal 

adjective | fru-gal | \ˈfrü-gəl\



### What is Frugal Innovation?

The literal meaning of 'frugal' is avoiding waste, being economical or sparing. Combining this with innovation does not lead to the newest high tech smart phone or exclusive and expensive tool. Instead, it is a more functional, low cost and sustainable innovation strategy. Frugal innovation centres on the (re)design of products, services and systems, thereby decreasing price and production costs without compromising on utility and ease of use. It is adapted to local circumstances, has a robust design and is often valuable in resource constrained environments.

#### Frugal Innovation and Sustainable Global Development

Frugal Innovation is increasingly seen as a promising way in contributing to and addressing the United Nations Sustainable Development Goals (SDGs). The United Nations SDGs focus on seventeen global challenges and topics such as climate change, health and sanitation, energy, poverty, migration, income gaps and social inclusion.

### About this minor

In this minor you will learn how frugal innovation can contribute to the realization of a number of SDGs. Frugal innovation demands an interdisciplinary approach. This minor combines the unique knowledge and expertise from Leiden University, Delft University of Technology and Erasmus University Rotterdam and is one of the Leiden-Delft-Erasmus minor programmes.

The minor is divided into two parts: part A consists out of several courses at the three universities. Part B is an internship abroad, where students learn to put their knowledge to practice in groups of three. The minor starts in September 2018 and ends in February 2019 and fits into the academic calendars of all three universities. The minor admits 30 students in total. This may mean that there is a selection procedure in place. Find more information on [www.cfia.nl](http://www.cfia.nl) and the minor websites. Through the selection procedure we will look for motivation and a balance in backgrounds within the student group. You don't need a background in innovation studies, technology, entrepreneurship or development to be admitted!

### Who?

Third year bachelor students of Leiden University, Delft University of Technology and Erasmus University Rotterdam who are interested in:

- combining their academic discipline with others;
- bridging academia and practice;
- going abroad for an internship;
- working with academics and experts from the field.

We are looking for a high diversity of interests and backgrounds, in order to have strong cross-disciplinary teams.

### Why?

This minor gives you an opportunity to put your knowledge into practice. It is valuable to your skillset as it focuses on multidisciplinary collaboration, which is a skill that is increasingly relevant in the job market. Through this minor you are introduced to not just one but several other academic disciplines. The internship also provides you with working experience and interesting network opportunities.

### What?

This minor is a 30 ECTS programme, split into Part A (15 ECTS) and Part B (15 ECTS). EUR students can thus choose to follow Part A only if their curriculum does not allow for 30 ECTS. The programme is organized as follows:

Part A	15 ECTS	Part B	15 ECTS
Kick off event	1 ECTS	Internship preparation	2 ECTS
Technology	4 ECTS	+ 10 weeks of internship abroad	12 ECTS
Entrepreneurship	4 ECTS	<i>Students are responsible for their own travel costs. The minor coordination team will aid in finding funding opportunities.</i>	
Development	4 ECTS	Welcome Back week	1 ECTS
Pressure Cooker	2 ECTS		

For the internship, students are divided into groups of three students, ideally one student from each university. Together, they will work on an assignment in for instance Uganda, India or Kenya.

**Are you interested? Check out [www.cfia.nl](http://www.cfia.nl) and the university minor websites for more information about the application procedure!**