

## Project Summary

HEdIS seeks to establish a hub-based national and international network of education between researchers, innovators, businesses and academics in the frame of ICT on Sustainability.

## The Themes

Within the hub, six major themes will be addressed in a global context and, in particular, in relation to the South African socio-political and environmental landscape. Each theme will be supplied with modules and module related offerings for students and industrial participants, having a sustainable relevance.

### The themes are:

- Water & Waste Management
- Energy Efficiency
- Sustainable Mobility
- Education on Sustainability
- Sustainability Entrepreneurship

## Contact

**Prof. Dr.-Ing. Jorge Marx Gómez**  
University of Oldenburg  
Tel: +49 441 798 4470  
jorge.marx.gomez@uni-oldenburg.de

**Christian Osorio, M.A.**  
University of Oldenburg  
Tel: +49 441 798 4446  
christian.osorio.martinez@uni-oldenburg.de

**Dr. Brenda Scholtz**  
Nelson Mandela University  
Tel: +27 41 504 2081  
brenda.scholtz@mandela.ac.za

**Prof. Kevin Johnston**  
University of Cape Town  
Tel: +27 21 650 2266  
kevin.johnston@uct.ac.za

Funded by the:

**DAAD**

Supported by the



NELSON MANDELA  
UNIVERSITY


CARL  
VON  
OELERTZ  
UNIVERSITÄT  
OLDENBURG



# HEdIS

## Hub for Education on ICT for Sustainability

 [www.hedis-project.org](http://www.hedis-project.org)

 @hedisproject

 Hub for Education on ICT for Sustainability



## Hub for Education on ICT for Sustainability

HEdIS will develop a teaching and research hub, with educational, academic, and practical relevance. The Hub for Education on Information Communication Technology (ICT) for Sustainability seeks to transform the curriculum of South Africa and develop graduates as holistic and responsible citizens so as to meet the goals of the National Development Plan.

The National Development Plan highlights the need for education and research that also supports socio-economic development as well as the central role that universities have in the associated international collaboration among states and their people for a sustainable development. In this context, the project emerged, starting off in 2017 with a four-year project runtime and the intention to bring together practical as well as research oriented activities on ICT for Sustainability.

Project coordinators are the German Carl von Ossietzky University of Oldenburg and the South African universities Nelson Mandela University and University of Cape Town.

### Our Goals

HEdIS will establish a hub-based national and international network with higher education institutions and industrial partners and develop ICT-based learning programmes in the frame of sustainability in co-creation with students, researchers, teachers and industrial experts.

- ➔ **Hub-based national and international network:** Establishment of a learning and teaching hub to stimulate development related professional networks for integration and exchange between the participating universities and project partners.
- ➔ **Education on ICT:** Development of labor market relevant teaching modules in the frame of ICT and sustainability. ICT topics to be covered in this context are the Internet of Things, Artificial Intelligence and Data Science.
- ➔ **Sustainability-oriented teaching and research:** Offer of labor market relevant modules that match the local context and state of research on global and local sustainability: Water and Waste Management, Energy Efficiency, Education on Sustainability, Sustainable Mobility, Sustainability Entrepreneurship.

### HEdIS Partners

