

# The REAP Programme

The M.Sc. degree programme “Resource Efficiency in Architecture and Planning” aims to enable participants to promote sustainable urban development in different geographical and cultural settings.

## Curriculum

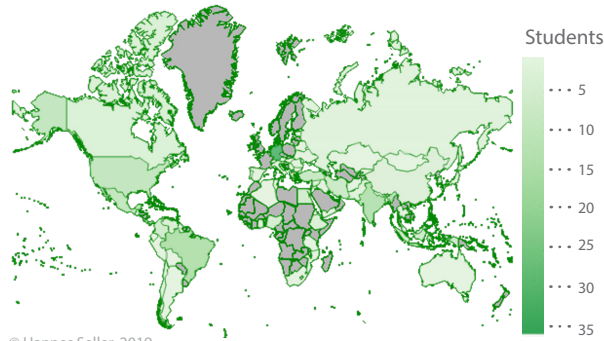
### REAP STRUCTURE AND STUDY METHODS

M.Sc. (REAP) Year 1		M.Sc. (REAP) Year 2	
Semester 1	Semester 2	Semester 3	Semester 4
Project I (5 CP)	Project II (10 CP)	Project III (10 CP)	Thesis Project (30 CP)
Facets of Sustainability (5 CP)		Plus 2 Modules from each block Block 1: Resource, Technologies and Environment Block 2: Resources, Institutions and Instruments	
Methods of Integrative and Urban Planning (5 CP)	Urban Material Cycles (5 CP)	Climate Responsive Architecture and Planning (5 CP)	Economics and Planning of Technical Urban Infrastructure Systems (5 CP)
Legal and Economic Instruments (5 CP)	Urban Energy Flows (5 CP)	Technologies for Sustainable Water Resource Management (5 CP)	Decision Support and Project Evaluation (5 CP)
Research Methods and Statistics (5 CP)	Urban Water Cycles (5 CP)	Technologies for Sustainable Material Cycles (5 CP)	Material Flow Analysis and Life Cycle Assessment (5 CP)
Cross-Curricular Programme (5 CP)	Cross-Curricular Programme (5 CP)	or instead of one module	or instead of one module
		General Elective (5 CP)	General Elective (5 CP)

Lectures and seminars are grouped around central project work: Real-time, real-world case studies, in which students, with help and guidance from faculty, develop recommendations and solutions for applied tasks.

## Where We Come From

### REAP IS INTERNATIONAL !



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<https://www.hcu-hamburg.de>



# 10 YEARS REAP CELEBRATION



**REAP** Resource Efficiency  
in Architecture and Planning


WE LOOK BACK - LOOK TO THE FUTURE -  
AND PARTY!


## MORE INFO

For information about organization and administration, please contact Xhelona Haveriku  
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You can also visit the student council or FSR

 <https://www.facebook.com/events/407460090091689/tab=about>

 <https://www.instagram.com/invites/contact/?i=19qxcrklt8q4o&utmcontent=48nqi00>

# SCHEDULE for November 22

WELCOME [at 1st floor HCU Foyer]	09:00 - 10:00	Registration: Coffee, tea, snacks and conversation
REAP Open Space - Students Perspective [at Holcim Auditorium]	10:00 - 12:00	Opening of "10 Years REAP celebration" (Prof. Dr. Martin Wickel, LL.M., Dean of the REAP Program)  Discussions between the REAP community (students, graduates, faculty) with our guests on topics of urban sustainable development. Exchanging views, planning strategies, giving and receiving impulses, and networking. The World Café format allows guests to circulate and visit different discussions on a variety of topics. Moderation: Juliana Lima (REAP student)
REAP Impressions (Lightning Talks) [at Holcim Auditorium]	13:00 - 15:00	"How it all started" (Prof. Irene Peters, Ph.D.)  "Who we are": A dozen REAP Alumni & Alumnae reflect on REAP in the context of their past and current professional experience, and their ideas for REAP in the future. Moderation: Comfort Moshá (REAP Alumna)
REAP Ceremony and Holcim Awards [at Holcim Auditorium]	16:00 - 16:15	Welcome Address (Prof. Dr. Jörg Müller-Lietzkow, HCU President)
	16:15 - 16:30	Welcome Address (Dr. Peter Krämer, Hamburg Ministry of Environment and Energy, Department for Energy Efficient and Sustainable Buildings)
	16:30 - 17:15	Key Note Speech (Dr. Harry Lehmann, General Director for "Environmental Planning and Sustainability Strategies", Federal Environment Agency Germany)
	17:15 - 17:30	"REAP – a success story" (Prof. Dr. Martin Wickel, LL.M., Dean of the REAP Programme)
	17:30 - 17:45	REAP in the future – where do we (want to) go? Tom Fraser (REAP Alumnus), Camila Camara (REAP student)
	17:45 - 18:15	HOLCIM-Award of Sustainability at HCU: Prizes for Bachelor and Master theses. (Presented by Prof. Dr.-Ing. Harald Sternberg (HCU-Vicepresident) and Joachim Dietz (HOLCIM))
REAP Get Together and Party	18:15 - 20:00	Drinks, snacks, conversation and music at the HCU-Cafeteria
	21:00 - open end	More Drinks, snacks, conversation and music at Helmut-Schmidt-Studierendenhaus, Koberstraße 2

# THESES in REAP

Mariya Todorova (2019). Designing a Municipal Waste Management Fee for Burgas, Bulgaria.

Saif Rashid (2012). Guidelines for Low-Cost, Energy-Efficient Housing in Iraq.

Carmen Biber (2017). Advanced Urban Trees - How Street Trees Can Be Part of the Solution. An advanced System of Urban Tree Pits to be Included in Decentralized Stormwater Management.

Parth Kumar (2018). Why Still No Toilets? - A Policy Implementation Analysis of Swachh Bharat Mission (Gramin/Rural) for Low Household Sanitation Coverage in Selected Villages of Maharashtra, India.

Sarah Joseph (2016). Can Regional, Organic Agriculture Feed the Regional Community? A Case Study for Hamburg and North Germany.

Antonina Kriuger (2016). Connecting People with Biodiversity in the Urban Neighbourhoods of Hamburg, Germany.

Lital Shelef-Dori (2013). District Cooling as an Alternative Approach to Cooling in Israel.

Esteban Muñoz (2011). Determining Energy Characteristics of the Building Stock: Wedding Micro and Macro Approaches.

Gustavo Pagliari Valerio dos Santos (2019). Regulatory Arrangements for Integrating Offshore Wind Power Into the Brazilian Electric Power Market.

Ansel Mueller (2017). Energy Systems Integration in the United States. The Role of Microgrids and District Energy Systems in Legacy Grid Modernization.

Andra Stancu (2017). Assessing Industrial Waste Heat Potential: Insights from a Comparison of Methods at the City Level. A Case Study from Hamburg.

Julia Sievert (2018). Towards an Urban Material Stock Model Integrating Residential Rooftop Additions as a Form of Urban (Re-)Densification.

Lena Knoop (2016). Streetscape Cloudburst Strategies - Climate Adaptation in High Density Urban Quarters - Barmbek-Süd, Hamburg.

you can learn more at <http://www.reap.hcu-hamburg.de>