

EcoCampus: Sustainability Roadmap

Overview: In order to shape its sustainability strategy and develop a comprehensive roadmap for its sustainability programs, NTU EcoCampus Initiative has embarked together with Sustainerv (an international consultancy on sustainability) on a process with three key elements:

1. A comprehensive landscape assessment has been performed that examined the sustainability positioning and activities of key academic institutions around the world.
2. A materiality process was performed, whereby key individuals at NTU participated in a structured process to determine which sustainability related topics are most relevant to the NTU and its' stakeholders.
3. Based on the findings of the first two elements, a set of strategic focal points and supporting metrics are proposed. NTU will use them to monitor the progress and success of its sustainability efforts.

The next step will be to develop Key Performance Indicators (KPIs) for the areas that NTU representatives assessed as the most relevant ones for the NTU. The KPIs will be further developed in collaboration with the different departments and schools.

Area	Subareas	Examples for KPIs
Resource Use and Emissions	GHG emissions Energy, Water and Waste Intensity	Reduce energy intensity by 35% by 2020 from a 2011 baseline
Campus Operations	Transportation, Procurement, Building Design/Construction	Development of NTU Sustainable Procurement Policy by 2016
Education and Research	Education Programs, Research Programs	Increase investment in CleanTech/ Sustainability Research
Community Engagement	Student, Staff and Faculty Engagement	Number of Sustainability Awareness Programs for undergraduates

Landscape Assessment (extract)¹:

Category	Criteria	Harvard University (USA)	MIT (USA)	UC Berkeley (USA)	Arizona State University (USA)	University of Nottingham (UK)	University of Nottingham	University of Oxford (UK)	ETH Zurich (Switzerland)	University of Tokyo (Japan)	University of British Columbia (Canada)	Australian National University (Australia)	The University of Hong Kong (China)
Executive support for Sustainability		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Strategy, policy		✓	✓		✓	✓	✓	✓		✓	✓	✓	✓
Sustainability report		✓		✓	✓	✓	✓	✓		✓	✓	✓	✓
AASHE STARS report					✓					✓			
Utilized GRI								✓					✓
Submits to Carbon Disclosure Project													
Certifications (ISO 14001)								✓			✓		
GHG inventory		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Renewable energy		✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓
Water reduction		✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓
Waste/ Recycling		✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓
Biodiversity		✓			✓	✓	✓			✓	✓	✓	✓

¹ NTU addresses some of the mentioned categories, especially in renewable energy, water, waste and biodiversity.