



UiO : **University of Oslo**

The UNICA GREEN Workshop 2018, Brussels:
Implementation of SDGs in Higher Education

Outstandingly Green
- from vision to practical strategy



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UiO –facts and figures



28,007
students

Of these students, around 14,500 are at the bachelor's level, 6,400 are at the master's level and 7,000 are in professional programmes and integrated master's programmes.



6,609
full-time equivalents

Three-quarters of our staff are in research and teaching positions, the rest are support or administrative personnel.



**Study abroad
award**
1st place



UiO was ranked as the world's 62nd best university, Europe's 22nd best university and Norway's best university in 2017.
Shanghai Ranking of World Universities



5
**Nobel Prize
winners**

Fridtjof Nansen
Peace Prize, 1922

Ivar Giaever
Physics, 1973

Odd Hassel
Chemistry, 1969

Trygve Haavelmo
Economics, 1989

Ragnar Frisch
Economics, 1969

UiO –facts and figures



Refurbishing:
Breeam Excellent

Estate operation

- 472 000 m² own
- 112 000 m² leased
- 135 buildings
- 22 student restaurants
- 500 000 m² outdoor space

UiO –facts and figures

Still building ...



UiO – the green path



- Policy: Copernicus Declaration
- UiO Strategy 2020
- Green UiO: symmetric sustainability
- Student involvement
- UNICA Green 1st workshop Oslo
- Rio+20 HESI
- Nordic Sustainable Campus Network
- Climate partner Oslo
- Masterplan for properties
- Environmental and climate change strategy for estate operations

- *Upcoming: Strategy based on SDGs*



Environmental and climate change strategy for UiOs estate operations

1. Action oriented
2. Sets targets
3. Identifies measures
4. Sets a timeline

9 targeted areas
3 subsets of organisational measures



Following the 2R-principle:
Realistic & Realizable

Ticking of the SDGs



Targets and measures, example energy



 Targets for 2040		
40 percent reduction in UiO's building-related energy use per square metre by 2040.		
Targets for 2020		
Reduce energy consumption 2020: 15 percent reduction 2027: 25 percent reduction 2040: 40 percent reduction.	Implement energy efficiency measures together with the users.	Further develop energy management in accordance with ISO 50001.
		
Measures		
Immediate measures: <ul style="list-style-type: none"> Establish a base year. Prepare an energy conservation plan for 2020. Prepare a check list for preferred low-energy solutions. By 2020: <ul style="list-style-type: none"> Prepare a comprehensive analysis and action and financing plan for energy reduction. Plan for local energy production. 	Immediate measures: <ul style="list-style-type: none"> Inquire about energy-efficient solutions for procurements in major construction projects. By 2027: <ul style="list-style-type: none"> Include energy consumption as an incentive in the internal rent. 	By 2020: <ul style="list-style-type: none"> Establish follow-up for the energy monitoring system used in the operation of all buildings. Prepare an annual energy report that includes results and measures.

Targets and measures, example outdoor



 Targets for 2040			
UiO's outdoor areas shall promote environmental and biological diversity and create well-being and joy in nature			
Targets for 2020			
Environmentally efficient use of walls and roofs with active roofs as part of the outdoor areas.	New, rehabilitated park areas shall satisfy UiO's environmental goals.	Green management of the outdoor facilities and cycle-based park management.	UiO's outdoor areas have a biodiversity that contributes to Oslo's nature diversity.
			
Measures			
By 2020: <ul style="list-style-type: none"> Establish a plan for active roofs. Carry out a pilot project for active roofs and natural climate regulation of buildings. 	By 2020: <ul style="list-style-type: none"> Greenhouse gas accounts for pavement heating and conventional snow clearing. Plan for environmentally efficient and climate-friendly care. Local surface water management. 	Immediate measures: <ul style="list-style-type: none"> Establish greenhouse gas accounts and calculate the effect of various measures. By 2020: <ul style="list-style-type: none"> Set targets for: <ul style="list-style-type: none"> organic waste water consumption fossil-free and emission-free machinery use of plants 	Immediate measures: <ul style="list-style-type: none"> Assess biodiversity on UiO's campuses. By 2020: <ul style="list-style-type: none"> Increase biological diversity by creating favourable conditions for flora and fauna. Establish a baseline for biodiversity.

A working tool for professionals



Getting started in 3 steps

Step 1

Familiarise yourself with the targets. The strategy includes measures that shall be implemented by the Estate Department. You will be using this as a tool in your work in the years to come.

Step 2

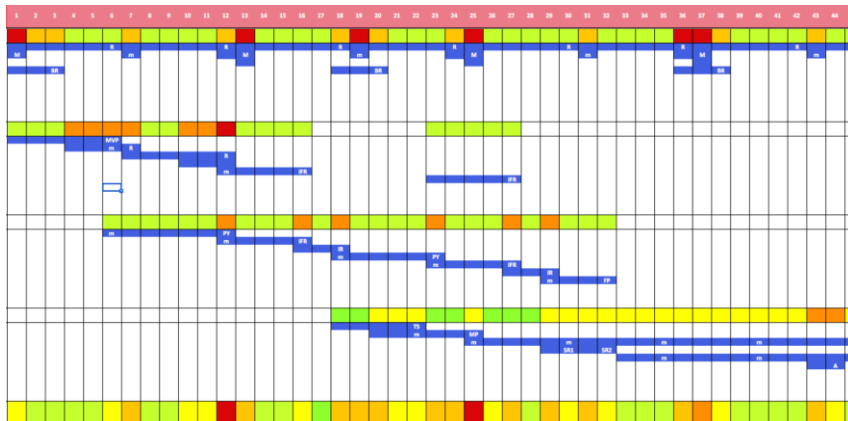
Identify areas, targets and measures that concern your area of responsibility and specialist field. Start with the immediate measures. Speak to your immediate superior and colleagues and cooperate with others when necessary. Ensure that consultants who perform work for UiO do so in accordance with this strategy.

Step 3

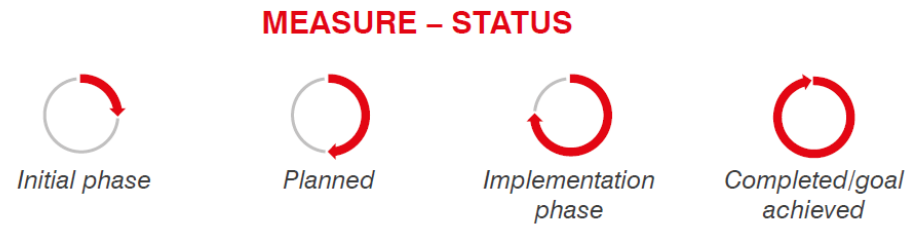
Incorporate targets and measures into other plans and budgets. Develop your own expertise. Systematise experiences. And remember to celebrate your achievements along the way!

Implementing the strategy

Operationalisation through the line

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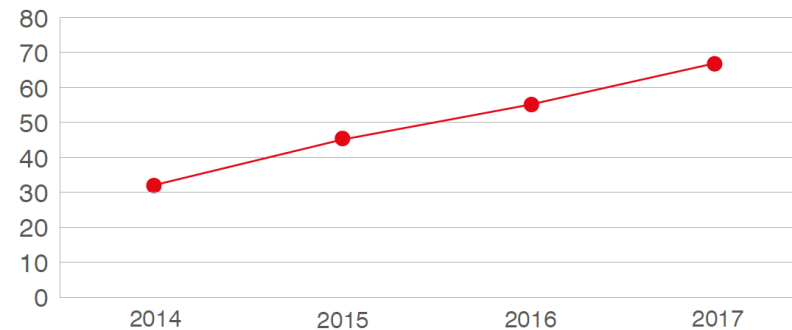
Reporting progress



Reporting progress, example: waste



Source separation rate (%) UiO



Measures

Immediate measures: end of 2018

- Demand a source separation rate of 90 per cent in construction projects
- Highlight good reuse practices in projects



Measures: end 2020

- Establish a comprehensive reporting solution for all waste at UiO
- Reduce packaging, breakage and wastage on construction sites
- Establish a common IT solution for exchanging and reusing functioning equipment and materials
- Evaluate the costs and benefits of reuse



Reporting progress, example: management



A management, organisation and culture that promotes the environment and climate and gives green results

Goals for 2020

The Estate Department's organisation has been developed further to achieve environmental and climate change goals

Involve UiO's employees in the environmental work

Involve UiO's students in the environmental work

Cooperate with the Student Welfare Organisation (SiO) on environmental solutions

Cooperate with the City of Oslo on environmental solutions

Measures

Immediate measures: end of 2018

- Managers in the *Estate department* must incorporate the environment and climate change into their plans and scorecards, and communicate this in the relevant forums
- The environment and climate change must be included in the ordinary dialogue meetings with UiO's units
- Further develop the cooperation with the Student Parliament
- Develop solutions to reduce the amount of waste and raise the source separation rate
- Clarify areas of cooperation for Oslo as the European Environmental Capital 2019

Measures: end 2020

- The management must demand results in relation to the environment and climate change
- Inform about goals, measures and the results achieved in the area of the environment
- Involve the students in selected environmental projects
- Collaborate on offering good environmental solutions for students
- Further develop the dialogue and collaboration on green city and campus development

UiO - the strategy



Starring

- A Rectorate
- An overall strategy
- A management team
- A campus masterplan
- A professional Estate department
- Dedicated professionals
- Nuts and bolts

Toolcase: nuts and bolt

Internal rent; area efficiency

Energy efficiency

Resource management

Competence development

Being a demanding customer and market actor

City partnerships

Student collaboration

Thank you!