

Sustainable Development Goals Lived and Taught at U/NORD

2021/2022



U/NORD

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Introduction

U/NORD is an educational institution comprising schools for vocational training or upper secondary education. This gives our pupils the opportunity to either become a skilled worker, or study towards an academic degree. Our departments just north of the Danish capital Copenhagen in Lyngby, Hillerød, Frederikssund and Helsingør welcomes approximately 4,500 students and 630 employees on a daily basis. Our educations are organized into the following courses: HHX, HTX, STX, the vocational programs EUX, EUD, EUV and EUS and 10th grade. In addition, we have a Course Centre, apprenticeship provision and school training.

U/NORD became a UNESCO Sustainable Development Goals School per 1 August 2021.

The aim of U/NORD is to weave as much of the spirit of the 17 Development Goals into our daily efforts as we possibly can. This means incorporating the development goals in how and what we teach, but certainly also in how we work and how we think.

Organization of our Development Goals efforts

In 2021/2022 – our first year as an UNESCO SDG School – U/NORD has focused on organizing the Development Goal. This is done primarily through combining 3 cross-cutting forums and a number of local forums.

The Development Goals Forum consists of teachers from different fields of education and has the task of initiating cross-cutting initiatives with a focus on developing the competences of the school's teachers; possibly by seeking funding for this through our Development Goals Council or externally. The committee also has its own funding.

The SDG Forum for Students which consists of representatives from the school's local student councils, has as their special task to discuss and initiate Development Goal initiatives and possibly seek funding for this through the Development Goals Council or externally.

The Development Goals Council consists of representatives from the school's various programs and other organizations, students from the SDG Forum for Students and teachers from the Development Goals Forum. The Development Goals Council meets approx. 3 times a year and focuses on monitoring and disseminating the Development Goal initiatives at the school and on distributing funds for Development Goals projects.

U/NORD's SDG Student Forum

Based on U/NORD's certification as a UNESCO Sustainable Development Goals School, an SDG Forum for Students was set up in the autumn of 2021. The student forum is comprised of student representatives from each of the local student councils at U/NORD's departments, and has the following tasks:

- Appointment of two student forum members to U/NORD's Development Goals Council.
- Securing student input for U/NORD's work with the development goals as well as knowledge sharing about the students' local Development Goal work across all U/NORD's departments.
- Submitting proposals on Development Goal activities and efforts to U/NORD's Development Goal Council.
- Planning an SDG activity for the students in every school year.
- Appointment of two student representatives to the Board of U/NORD
- Discussing and commenting on relevant topics and matters that are dealt with by the Board of U/NORD, as well as topics and matters that U/NORD's management chooses to present in the SDG Forum for Students.

The start-up of the Student Forum was challenged in autumn 2021, due to the COVID-19 pandemic, and the first meeting in the forum was pushed to 11 March 2022, followed by a meeting on 20 April 2022, where, among other things, student representatives to the Board of U/NORD were appointed. The commitment in the Student Forum has been challenged, probably since a true sense of belonging to the forum could not be created among its members in the COVID-affected autumn of 2021. In the school year 2022-23, a stronger sense of belonging

is expected to develop based on the experiences gained with the Student Forum work in the school year 2021-22, including a physical start-up meeting early in the new school year.

Achievements of the Student Forum in 2021-22

Among the achievements of the Student Forum in the 2021-22 school year are:

- Appointment of student representatives to the board of U/NORD.
- Initiating a joint presentation on Russia's invasion of Ukraine.
- Initiating proposal for drafting a diversity policy for U/NORD.

The Student Forum in 2021-22

In the 2022-23 school year, four ordinary meetings will be held with a start-up meeting mid-September 2022. The start-up meeting is followed by three meetings prior to the board meetings in the 4th quarter of 2022, 1st quarter of 2023 and 2nd quarter of 2023. In addition, the aim is to organize a workshop joining the together with the Development Goals Forum for teachers and U/NORD's strategic management. A central objective for the Student Forum in the school year 2022-23 is to obtain financial support from U/NORD's Development Goals Council for a Development Goal activity for the students across all U/NORD's departments, and carry this activity out.

U/NORD's Development Goals Forum

The Development Goals Forum has planned competence development in the SDGs for all U/NORD's teachers in November 2022.

In the school year 2022-23, the forum will continue to work on 2 initiatives:

1. Procedure for teachers to see "sustainability" in reality; it should be easy for them to work with.
2. Producing a catalogue of ideas for teachers: which activities can you carry out on the school

U/NORD's Development Goals Council

U/NORD's Development Goals Council has held 1 founding and 2 ordinary meetings during the school year. The Development Goals Council has allocated funds for the project The Green Week on the development of a generic teaching material that can be used at "The EUD Bridge" at U/NORD's Technical School (GF1 EUD+EUX), as well as in the rest of U/NORD's education system under the heading 'Sustainable teaching with IT'. In addition, there are plans for a skills development day at Vestforbrænding - Denmark's largest waste management and energy company - as part of The Green Week, in which all subject and basic subject teachers at "The EUD Bridge" will participate.

3 lecturers from Hillerød Business Highschool have received funds to develop an interdisciplinary teaching course that gives students a theoretical humanistic and social science perspective on the climate crisis and the communication of the problems surrounding it. The course seeks to make students aware of the scope and consequences of the climate crisis, and therefore deals with issues surrounding the climate crisis as expressed in literature, film, photography, visual art, philosophy, politics and social conditions. The project will consist of both a theoretical and a practical element. The overall aim is to create a better understanding of how the various programs at U/NORD can work together to focus on the SDGs under the auspices of U/NORD. In this way, the project is intended as a contribution to the overall strategy for U/NORD as a UNESCO Sustainable Development Goals School.

The project is supported by DKK 30,000 from UNESCO and the remaining DKK 45,000 has been granted by the U/NORD Development Goals Council.

U/NORD efforts and initiatives as an organization

As an organization, U/NORD aims to incorporate the development goals not only in how and what we teach, but certainly also in how we work and how we think. We focus on 3 areas in our daily work:

1. Operation and maintenance
2. Purchases
3. Other

Operation and maintenance

Grounds and gardens

- From the spring season of 2022, as a pilot project, we have introduced robotic lawn mowers. The aim is to reduce CO2 emissions compared to emissions from the use of petrol-powered lawn mowers.

Areas with biodiversity eg. through not cutting lawns, have been established at 6 out of 8 addresses. All in all 4700 m2 corresponding to approx. 30-50% of the school grounds.

- A hybrid van has been purchased in 2022 for our janitor team and, in connection with that, an electric charging stand has been set up. The intention is to phase out the school's fuel-powered cars and replace them with electric/hybrid cars by 2024.

- Automatic door openers have been established at 2 locations to ensure unimpeded access for wheelchair users, for example. We are developing a plan for improving access at all relevant addresses/entrance areas.



Cleaning

In connection with tenders for cleaning articles, the focus is on using products and methods that have the least negative impact on the environment. The result is the purchase of eco-labelled products that are also produced and bottled in Zealand.

- The tools used for cleaning are designed to use the latest and environmentally correct cleaning methods, including minimal use of water and detergents.

- Our supplier prepares an environmental report twice a year, and based on the data provided, we can work to reduce the environmental burden.

Sorting waste for recycling and reuse

Focusing on the school contributing to recycling rather than waste, new waste management has been introduced at the start of school in 2021. There was a sharp reduction in the number of internal rubbish bins and thus in the use of plastic bags. At the same time, we ensure that as much as possible can be recycled.

Purchases

- When entering into new cooperation and service agreements, we emphasize sustainability and social clauses in our requirements specification. Among other things, we aim to the greatest extent possible, to ensure that our purchases are eco-labelled with e.g. The Swan label, the EU Fair Trade flower, the organic label, FSC and GOTS. This way, we obtain a guarantee that a product is among the least harmful to the environment. For example, we require the use of eco-labelled products from our supplier for window polishing. Social clauses aim to create good working and living conditions and we have chosen to set specific requirements for the use of apprentices (in our 2021-22 plumbing, ventilation and electrician services).
- We are currently in the process of preparing a tender for school furniture, where we place great emphasis on circular economy and environmental labelling, i.e. recycling as well as on the possibility of separating the individual piece of furniture into as many fractions as possible for recycling and thus avoiding waste. In addition, we require documentation that only sustainable wood is used in production, and we have banned the use of chemical products.
- We have introduced requirements for our suppliers regarding correct handling of waste and disposal/reuse of packaging.

Other things

In collaboration with the Red Cross Denmark, we have set up a clothing container at the school. We have also introduced a system across all departments of the school where we set up deposit boxes in collaboration with the Red Cross, where the collected deposit is donated to the Red Cross and their work for people in need.

Next school year, we will focus on the possibility of collecting rainwater at the schools departments, which can be used for e.g. washing the school's solar cells, washing floors, watering plants, rainwater beds, green roofs, fascines for seepage, etc.



Development Goals continuously integrated into U/NORD education

At U/NORD we have anchored our efforts to teach Development Goals locally. Some efforts take the form of specific projects, some efforts are continuously integrated into our education. One example is at our HTX schools, where the subject Construction and Energy now includes "Responsible Consumption and Production" and "Climate Action" as an integrated part of the subject. As a special measure, efforts are now made to save and reuse as much as possible of the building materials that the students use in their projects.

In the economic subjects, work is done on how sustainability is implemented in companies, for example at Amazon and McDonalds.

In Helsingør, HTX1 & HHX1 completed a SO project on plastics in the autumn. They have both had to analyze sources about the consequences of plastic waste in the world's oceans and with solution models such as recycling, alternatives and biodegradable products. In this context, we have touched on the world goals "Quality education", "Industry, Innovation and Infrastructure", "Responsible consumption and production" and "Life in the sea".

A year of Sustainable Development Goal activities at the U/NORD high schools

The week of 9 August 2021

The Rainbow Flag was hoisted in front of all schools and departments in honor of World Pride 2021, held in Copenhagen.

- The Lyngby High Schools are once again "Green Flag"-schools by The Danish Outdoor Council.
- The Lyngby High Schools introduce climate accounting for study tours and develops a conversion model for the purpose. The model is used for all study tours by plane.



The week of 6 September

- Students at Hillerød Technical High School, Sofus, Simon and Peter qualified with their technology product "Energy Saver 9000X" for the Danish Championships in Technology and Business Case. With their energy-saving and CO2-reducing product, the students secured a great 3rd place at the championships. The school was very proud and promoted the achievement on social media, for others to be inspired.

- In Frederikssund, HHX had a visit from Class of the World from Actionaid Denmark and Frederikssund Businesses. The presenters inspired the 3rd year students to write a mini report on the UN's Global Goals and sustainability.

Actionaid Denmark introduced students to the UN's Development Goals and activated the classes with a dilemma game about inequality. Frederikssund Businesses put sustainability into a local perspective. It was a most inspiring day for the students.

- Students from Frederikssund visited Tivoli. In business subjects, the students work with sustainability, among other things, and the visit to Tivoli concerned teaching, where Tivoli's own history and efforts around sustainability and the SDGs were touched upon. After information and teaching, the students were sent around the old garden, to come up with their own proposals for optimizing sustainability in the park.



The week of 13 September



1700 students from U/NORD laced up their running shoes and took part in the annual Study Start Race. The race took place in Hillerød, and participants are pupils and students who have just started a youth education or higher education.

The study start run is a really good opportunity for students from different programs to meet each other and exchange opinions. This year U/NORD ran for the SDGs. They had the SDG logo on the shirts to mark that U/NORD has become a Sustainable Development School.

The week of 20 September

Our digital design and development team was on a study trip to Gdansk in Poland. Among other things, they visited 13th Century Malbork Castle, the Stutthof Concentration Camp and Gdansk Technical University.

The study tour and its experiences will form the basis for the students' next project, they are therefore on the trip to do 'research'. The next project is to create a Virtual Reality App, which must create a virtual experience of what it was like to be a knight at Malbork Castle or an inmate in the Stutthof concentration camp.

(<https://www.youtube.com/watch?v=rskHQ7E7alw>)

The week of 27 September

U/NORD wins Sustainability Award

On 30 September, Science City Lyngby awarded their sustainability award. The award is given to a company that makes a difference to the green transition.

U/NORD was up against heavy competition: Microsoft, DTU Sommer Science and Maersk Drilling were the other nominees. U/NORD managed to be given the award for our work as a Sustainable Development Goals school.

Principal of Lyngby Gymnasium and Lyngby Handelsgymnasium, Pernille Bogø Bach and director of education for EUD/EUX Business and 10th grade, Thomas Mikkelsen proudly accepted the award.



The week of 18 October

Before the autumn holidays, our biotechnology-sports and biotechnology-social studies classes, went on a trip to Kalundborg. They visited the vocational college Absalon and participated in a lab where they conducted experiments with the content of different energy drinks. They also paid a company visit to Unibio, which is a newer company that works to make protein feed for animals. The new protein source was developed from a bacterium that grows and reproduces by eating methane gas created by biowaste - in short, from fart to protein and a sustainable food source.

The week of 25 October

- On the occasion of local elections across Denmark, U/NORD welcomed a selection of local candidates for an election debate in Hillerød. Mads Munk Hansen (SF), Elisabeth Stieper Tofte (Liberal Alliance), Thomas Elong (Venstre), Christoffer Lorenzen (Conservative), Jørgen Suhr (Radical), Thomas Brücker (Social Democracy) and Tue Tortzen (Enhedslisten) took the hot seats and answered on the students' questions about climate, education, the path to the labor market and student life. The students particularly focused on the subjects of climate and environment. They discussed the cleanup of the Collstrop grounds, separate sewerage to avoid waste water discharge in Arresø and the politicians' climate-friendly measures at home., with the entire panel
- It was a very happy day when U/NORD received this letter from the Danish Red Cross: "At the beginning of the month, some of your students were out collecting for the Red Cross for our national collection, and we are incredibly happy about that. They collected more than DKK 10,000, and this means that Lyngby Gymnasium and Handelsgymnasium are in the draw for the Red Cross' popular 3rd prize: Pepsi Max Lime for all the school's students".

The week of 1 November

A student from our graduating class at Hillerød Tekniske Gymnasium participated in COP26. In order to tackle the climate crisis, the UN has gathered world leaders for a summit for the past 25 years with a view to creating the international cooperation that is needed. Now was the time for the 26th summit.

On that occasion, our student and 12 other activists from the "Green Student Movement" traveled to Scotland. First by bus from Copenhagen to Hamburg, and then by bus to Amsterdam. From Amsterdam and onward by train to Glasgow. This Climate-train, organized by "Rail to the COP", was full of activists, journalists and various experts from all over the world, and during the trip the students participated in a whole lot of workshops.



While the climate summit took place in Glasgow, two full classes from U/NORD in Frederikssund, took the practical path. They engaged themselves in community service and gathered trash from the paths around Frederikssund Station.

The week of 8 November

HTX1 from the Helsingør department was on a city tour in Copenhagen. In connection with the PU/basic course and the topic "The sustainable city", they went on an exciting 2-hour city walk in Copenhagen with DAC (Danish Architecture Center). The city walk took as its starting point new architecture and in what way the college movement, the welfare society, the democratic view of humanity and sustainable thoughts had, and still have, an influence on design and architecture in Copenhagen. The day ended with a visit to the interior of the design museum. A good and exciting day with a skilled guide and engaged students.

The week of 6 December

- As part of being a UNESCO Sustainable Development Goals School we collected Christmas presents for the homeless to support the NGO "Help Thy Neighbor". 2g at Lyngby High School managed to collect the largest amount of presents.
- On 6 December U/NORD Frederikssund had a visit from the Knowledge Center for Craftsmanship and Sustainability, who gave a presentation to both our technical and business students about sustainability. Afterwards we opened our mobile technology center where exo-skeletons, drones, cameras and other exciting things could be tried.

The week of 3 January 2022

Hillerød Technichal High School set up a Climate Committee. Among the first points of action were waste sorting at the school and meat-free days in the canteen. The Climate Committee will propose climate and sustainable proposals in the student council.



The week of 3 January

Six students from Hillerød Technical Highschool qualified for the finals in the Danish Championships in High School Mathematics.

The task in the initial round dealt with the Sustainable Development Goal #1 - Abolition of Poverty - and the students had to prepare a "mathematical" picture of poverty in Denmark.

The week of 24 January

- Classes from Lyngby High Schools collected hand sanitizer, gloves and paper etc., which were packed in a container and sent to a hospital in Sierra Leone. The hospital lacks everything and the connection was made by 3 people from DTU, who had just traveled there via EWH (Engineering Would Health)
- In connection with the first meeting of the Development Goals Council, U/NORD started a collaboration with Vestforbraending - Denmark's largest waste management and energy company - on the development of materials for their teaching service for youth education.
In return, U/NORD's students get the opportunity to use Vestforbraending's facilities, laboratories, data, etc.
- Lyngby Handelsgymnasium wins the Danish Championships in Statistics on quality in education and Development Goal #4. In the final, students with A-level mathematics from high schools all over the country took part, but it was Joachim, Mathilde, Louise, Neset and Cecilie who ran away with the victory and the prize. All U/NORD was proud of the achievement.



The week of 21 February

- Almost 200 EUD and EUX Business students from all U/NORD's business departments gathered to pitch their business ideas to a panel of judges from the business world. The day was the culmination of an entrepreneurial education course, where the students worked with and developed business ideas with sustainable and innovative aspects.
The students received great praise for their elaborate concepts about, among other things, sustainable initiatives in the clothing industry - both in production and exciting concepts for recycling. A total of 12 teams qualified for the nationwide final.
- A graduating class from the Helsingør department visited the Parliament at Christiansborg on 21 February. The class had a small tour and took part in "Getting a Handle on the EU", which is about the various actors within the EU in the context of legislation. The class worked with a specific case, which is about LGBT in Poland.

The week of 28 February

On 4 March U/NORD was graced by a visit from the Danish Defense Attache in Ukraine, who gave an inspiring lecture about the conflict in Ukraine. The event was live streamed to all U/NORD's high school departments.

The week of 7 March

On the occasion of International Women's Day, U/NORD presented portraits of cool female students. Among them were Lucca Eskildsen and Victoria Søndergaard, who are in 1st grade at Hillerød Technical High School.

Both Lucca and Victoria have chosen the biotechnology course – because they love the natural science subjects in which they can immerse themselves, and because they like the combination of reading theory and then trying it out in practice in e.g. the laboratory or the workshop. But above all, they emphasize the good atmosphere and the cool study environment as the overriding reason for their choice of study. And as a contribution to the good study environment, the two HTX students have started a book club for all students at their school.



The week of 21 March

On 22 March, all of Hillerød Technical High School went to see the documentary "Carbon – An Unauthorised Biography" in collaboration with UNG:DOX.



After the film, there was an interesting discussion about carbon's role and potential in the green transition with Tavs Nyord from the think tank Concito and Sara Shapiro-Bengtson, who is a PhD researcher in biomass at DTU. The conversation was moderated by Victoria Touveneau Petersen from DR Viden.

At the end, time was set aside for a question-and-answer session, where some really good questions came from the students in the hall.

The week of 28 March

Member of Parliament Rasmus Stoklund from the Social Democratic Party visited the Frederikssund department. The school evaluated his visit as a fantastic presentation on career choices – and politics, asylum and war!

The week of 11 April

The Lyngby Commercial High Schools participated in an international project under the EU's Erasmus+ program called the Baltic Sea Network. The purpose of the project is to collaborate with other commercial high schools on entrepreneurship and sustainability. On this occasion, 12 students and 2 teachers travelled to Uppsala by train to participate in a week's cooperation with 6 other schools from Sweden, Finland and Estonia.



The program began with a presentation of all the schools where all students and teachers were on stage. Subsequently, there were several international workshops where the students get to know each other.

The week of 9 May

- Marcus Leander Andersen from the Hillerød department graduated in 2017 and is completing his master's degree in Environmental & Natural Resource Economics at Copenhagen University. Marcus visited the graduating class at his old school, and told the pupils about a competition he recently won at Copenhagen Business School. Here, the goal was to develop a concept that uses technology to stop "Environmental Crimes", and among other things he explained how it was the subjects at HTX in particular that helped him win the competition in innovation.

Marcus and his fellow student's idea is an algorithm based on behavior, which can be used to predict illegal activities in industrial fishing. They have been allocated an office space at Copenhagen Financial Technology's hub, where they are currently in the process of developing the model into a working prototype. They decided to offer one or two of our students, who are familiar with Python and coding an internship during the summer holidays.



- The technology certification took place for the 2nd year in week 19 at HTG. All the students lined up in the study center, where they took turns presenting their projects to a panel of skilled judges, who had the difficult task of judging the many interesting projects.

Together, the judging panel had to find 2-3 finalists in the four categories; 'Societal insight into the issue', 'Innovation and product', 'Knowledge and the environment' and 'Today's best project'.

After a sharp final round, the three winning groups were found:

The winning group in the category "Societal insight into the problem" were Daniel, Freya and Oliver from 2e, who had developed a heat balm.

In the category "Knowledge and environment" Amelia and Safwan from 2a won with their helmet, which provides safety on hikes with built-in SOS and GPS tracker.

In the category "Innovation and product" Albert, Christian and Frederik from 2d won for their rainwater distributor, and they also won the prize for the best project of the day!

A year of Sustainable Development Goal activities at the U/NORD vocational schools

SDG project for GF2 students

Project description

The student must prepare a report in which it is explained how the project can contribute to one of the 17 Sustainable Development Goals and 169 sub-goals through professional initiatives. The student's vocational training is the starting point for the professional initiatives that the student works on in the project. The project can be based on new ways of working, special educational measures, new inventions, recycling or other measures that the student finds relevant in relation to the chosen Sustainable Development Goal/sub-goal.

About the process and the framework

The SDG project is part of the Technical EUD/EUX talent programme, and forms part of U/NORD's commitment as a UNESCO school. It is carried out every six months.

72 lessons are scheduled for each selected world goal. These are the minimum hours the student is expected to work on the world goal project.

The student has the opportunity to use the writing space in the canteen allocated to the World Goals project.

The work with the world goal project is structured as follows:

1. Introduction and start-up

2. Guidance.

The day-to-day manager of the education is in charge of the guidance. The date of guidance varies from education to education.

3. Wrap-up and award ceremony

Winning projects spring 2022

- "Food and Sustainability". Sustainable Development Goal No. 12 – Responsible Consumption and Production
- "Plastic problems". Sustainable Development Goal no. 14 – Life in the Sea

Workshop: Towards a harassment-free working environment

Purpose

- Communicate the school's rules as well as relevant rules in Denmark in the area of sexual harassment and transgressive behaviour.
- Facilitate student reflection in plenary on selected themes. Share knowledge and experiences.
- Create a sense of responsibility for the community whether we are at school or in the company.

Methodology

Students were introduced to concepts and rules. They were then divided into groups of 3-5 students. Each group worked with one of the following themes:

- Silence
- Sexual harassment
- Legal rules
- How we talk to and about each other
- Respect
- Unproductive actions
- Good working environment

Form

Each group drew a card with a theme. The students' input to the theme was written on A2 paper.

All review of the group work took place standing with each group's A2 on the wall. When the group had presented, the rest of the team was encouraged to offer comments, questions, etc.

The theme was rounded off and the next group presented and so on.

The workshop leader concluded at the end.

Each individual student was encouraged to take a private moment to reflect on a particular element from the review/workshop that they took with them when they left.

Time

Two hours

Output

- Knowledge of applicable rules and regulations in the area
- Reflection on own responsibility, actions, limits
- Reflection on joint responsibilities and actions

Feedback from pilot on 2 June 2022

The pupils were not informed by their contact teacher about what the two hours would contain. For future workshops the content will be made clear and expectations agreed in advance.

There was high satisfaction with the workshop's themes, the form and the dynamics that arose in the room.

The contact teachers report back that in the following hours and days, a better working environment was noted with a completely different tone and a focus on the community.

Projects under "Green Transition"

- All students GF1 / GF2 visited recycling center
- Bricklayers: bricks are now reused from project to project
- Carpenters:
 - Tasks / projects / journeymen's samples are taken apart and the materials are offered to GF1 for recycling
 - Participated in a sustainability project under the Knowledge Center for Handicrafts and Sustainability. Development of teaching material.
- Food and service: Focus on optimal utilization of raw materials. We only order what will be used. Leftover raw materials are used in other lessons. Students on all courses focus on stopping food waste.

Maritime Crafts

Maritime Crafts have focused on SDG "Responsible Consumption and Production" in the past year.

An example of this is that we have rethought how the models the students make in their learning process are designed and used. Instead of creating new models for each course, the same model is now used in 3 different courses. First a fiberglass model is made, in the next process this model is used to build in a bow thruster and finally the model is used to build teak wood decks on. In this way, resources are saved for the benefit of the environment and at the same time we reduce the school's expenses.

Another example is the collaboration with a former student to develop a more sustainable funeral coffin, made from mushroom mycelium. The picture at the next page shows a "mold" in which the mycelium is to grow. The mold was made in the school's workshops.



EUD/EUX Business

In general, the business education programmes place great emphasis on sustainability and CSR. The topic is often part of the individual subject's announcement, which means that the subject is touched on many times in the main subjects. Below is a presentation of special focus points on SDG and CSR in the different business departments of U/NORD.

Hillerød

In connection with our business introduction at GF1, we look at climate targets and sustainability in general in companies. For the students to pass the vocational subject "Business Expo", one of the criteria is that they must come up with a good, sustainable idea for their collaborative company. In Innovation and later in Kickstart, one of the criteria is also that they come up with something that is sustainable and good for the climate.

The pupils participate together with the social studies teacher in the national event "The Youth People's Meeting", where the focus is also placed on climate etc. in various talks and workshops.

In general, there is a focus on climate and sustainability in the various subjects such as green accounts, modes of transport, the product's green journey etc.

Lyngby

At Lyngby Business School, in 2021-22 we have prioritized working with sustainability as an integrated part of the teaching. Both via our professional groups, but also through interdisciplinary courses and as a common thread from GF1 to GF2. It has been our aim that all basic subjects could contribute to this agenda. The following are examples of practice-based teaching that weaves the sustainability agenda into the subjects taught:

Vocational course Entrepreneurship -> USF retail, trade, office	Together with the other business schools, we have created the course Entrepreneurship, built around the Kick Start Program (the foundation for entrepreneurship). All our GF1 and GF2 students have developed products and companies where sustainability was a guiding principle.
E02 project in Marketing B, Danish A and B	Course in collaboration with and with visits to Vestforbraending - Denmark's largest waste management and energy company.
Danish A	Teaching course based on the book "From Word to Earth". The students themselves chose which SDGs they wanted to work with.
Marketing B	Examproject with the exclusively organic dairy giant Thise focusing on sustainability.
Mathematics FS	Assignment on the SDGs
Cultural Understanding C	Casework on crosscultural understanding of sustainable farming.

Frederikssund

Sustainability and CSR are incorporated into the individual core subjects. Each core subject runs at least one course per year in their respective subject that deals with sustainability.

To inspire the employees, we invited the entire teacher's college to Vestforbraending in Glostrup in order to create a contact and assure knowledge about waste sorting and the challenges that are associated with that. The purpose of the visit was also to bring the students there, so they can see the effect of our waste sorting at U/NORD.

Further work is being done to have a transversal VØ-B exam project made in collaboration with and focusing on the impact and efforts of Vestforbraending.

It is a goal that our 1st year students are also allowed to come out to Vestforbraending in Glostrup and see the challenges of not sorting waste.

A year of Sustainable Development Goal activities at U/NORD Centre for Adult Vocational Training

Most activities in connection with SDGs and sustainability/circular economy have been of a less measurable nature in this first phase. In approaching the problems, the course center has focused mainly on us getting to know what the concepts cover, what it means for ourselves, where we fit in – how can U/NORD Centre for Adult Vocational Training help make a difference – both for the employees, our companies and the world around us.

Overall, we have worked with our mindset and aimed to create awareness and interest among employees, business partners and our customers – the companies.



Leadership

The management of U/NORD Centre for Adult Vocational Training took the lead in the efforts to disseminate the message, participating in various forums both within U/NORD, the organizations and on the corporate level.

Promotional materials have been purchased to visualize that U/NORD Centre for Adult Vocational Training focuses on sustainability and various literature has been purchased to support the teachers. Finally, a video has been produced that emphasizes the message of the SDGs and its possibilities.

The latest management initiative was to join the steering group for UBU (Education for Sustainable Development), a project that will provide input on where there may be barriers, opportunities and what measures must be taken, in order for the field of Adult Education to contribute to skills development of employees when companies must talk about green transition and sustainability.

Teaching and development

The management and the teachers participate in all professional committee activities within medical, transport, cleaning, HAKL and industry.

The teachers participate in subject teacher seminars, where they are taught new skills and share knowledge. These seminars often form a starting point for the shared development of teaching materials across schools and other actors.

Our teachers have helped develop AMU courses within "Basic Sustainability" and "Management of Green Transition and "Sustainability," as well as "Circular Business Understanding".



Course Portfolio

Courses related to sustainability have been offered in the first half of the year, but without much interest from the market. This was very much to be expected, as it takes time to get a course portfolio up and running – it is still a novelty for the broad target group. We expect that it will still take some time yet, before courses on sustainability in the field of adult education make a full impact. U/NORD Centre for Adult Vocational Training has decided to hold firm in its approach to the market as well as emphasizing the importance of building skills on sustainability.

From August 2022, courses will be offered in various AMU areas that underpin the Development Goals. Specifically, course packages for unemployed adults will include the subject “Sustainable Production” – for instance the 6-week packages Administrative Coordinator and Introduction to Medico. General management training will be adapted so that management concepts also include sustainability.

Initiatives in connection with already existing areas

Transport

In connection with teaching and driving the school's teaching vehicles, such as trucks and buses, GTL Fuel Bio (diesel) is used, which has a smaller CO2 footprint and is less polluting.

Through its contract with Shell, the school has contributed to a number of nature projects for the protection of vulnerable areas and animal species. In the teaching itself, efforts are made to focus more on energy-efficient driving, as well as social, physical and working environment conditions that can help to minimize the number of work accidents and the more social aspects of the knowledge objectives.



Medico

Medico has an increased focus on a more environmentally correct attitudes and behavior in connection with the production of products within the pharmaceutical industry. Likewise, we are very aware of whether other exercises or materials that are less burdensome both financially and environmentally can be used in connection with teaching.

IT, management and administrative courses

We are working to minimize our use of paper and copying, and looking into how sustainability can be incorporated into our existing teachings.

Administration

We have discontinued communication on paper and now communicate almost exclusively by mail or other digital tools.

The school and U/NORD Centre for Adult Vocational Training

We have produced a video branding the course center and the school, drawing attention to the common task and the right mindset in connection with the SDGs and sustainability. The message is “We Start Small, but Think Big”, and we are ready to help along the way.

Other activities

The canteen has introduced a “Climate Dish” every Wednesday and are now growing its own herbs for its own production. There is a focus on the purchase of local raw materials, where this can be done in relation to the SKI agreements. The canteen employee policies are targeted on inclusion and diversity, which the Course Center and not least our course participants and companies greatly value.



The future

U/NORD Centre for Adult Vocational Training now has sustainability and green transition as a fixed element on the agenda at the quarterly meetings and at the individual team meetings. At the quarterly meeting in Q3, knowledge will be shared to form the basis of a plan that extends 6–12 months ahead. In line with teachers who teach new AMU courses with sustainability as a focal point, the teachers will have to develop their skills and we will also have to look at whether we need to invest in materials, machines, etc., so that we can carry out the tender.

We therefore expect apply for pooled funds from BUVM and elsewhere if this contributes to the school's own goals. The course center already participates in dialogues where more pools in more areas are available.

So in short: We start small, but think big.

