

## 17.4.2 Education for SDGs: specific courses on sustainability

### Green Courses Project

#### Goal

The project of greening courses was launched Officially since 2021 as one of the strategic projects in Qassim University Plan 2021-2025, The project aims to:

Confirming the commitment of Qassim University to its mission, which makes sustainability a cornerstone in its education programs, and striving for the university to achieve national leadership in the field of integrating sustainability concepts into education programs, making it ready to enter the club of distinguished international universities in the field of sustainability education, and the project also envisages developing and developing the student's capabilities in the field of sustainable development applications and stimulating their skills towards rational management of resources and making this among the competitive ammunition of the university student in the labor market and meeting the local and national development needs.

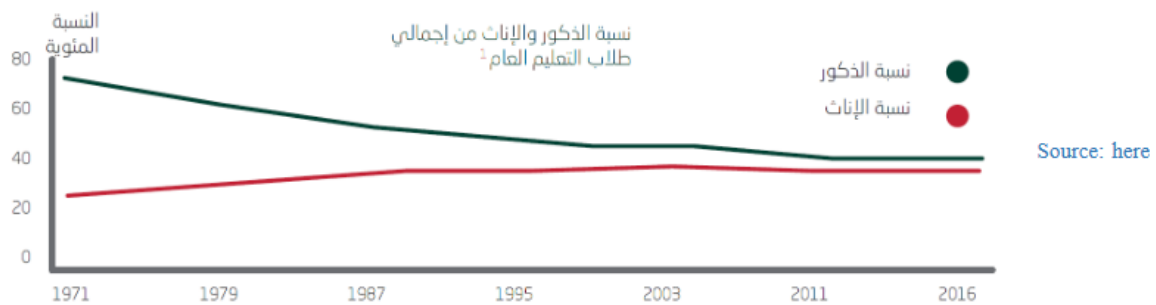


It is considered the fourth of the UN goals For sustainable development: ensuring quality education Equitable and inclusive and promoting lifelong learning opportunities for all; Immediate objectives related to the greening of courses, where education enables mobility Rising socio-economic, an important way to know all dimensions of the rest of the goals The seventeen, and empowering the human element with a scientific base that qualifies it to find effective solutions from In order to achieve those goals and to develop means and means to take humanity to safety.

Over the past decade, progress has been made. Towards facilitating access to education and school enrolment rates for all levels, especially for girls. However, some 260 million children were still Out of school in 2018 and they make up nearly one-fifth of the world's population in this category Age. In addition, more than half of the world's children and adolescents do not They have minimum proficiency standards in reading and mathematics.

Education for all has always been a part of Integral to the sustainable development agenda. The World Summit on Development adopted in 2002 the Johannesburg Plan of Implementation, which reaffirmed the Section X on Millennium Development Goal 2 to achieve Universal primary education by 2015 and the Dakar Framework for Action target on providing Education for all to eliminate gender disparity in primary and secondary education by 2005 and at all levels of education by 2015. The Johannesburg Plan of Implementation The need to integrate sustainable development into formal

education at all levels, as well as through non-formal and non-formal education opportunities. For the source and for more From the information click [here](#)



A confession Increasing at the international level the importance of education for sustainable development as An essential element of quality education and a key factor supporting sustainable development. Local of the Muscat Convention adopted at the Global Meeting on Education for All in 2014 and the Sustainable Development Goals of the Open Working Group of the United Nations General Assembly The United Nations on the Sustainable Development Goals incorporate education for sustainable development Within the proposed objectives of the post-2015 plan. Proposed Target 4 of the Sustainable Development Goals to "ensure inclusive and equitable quality education for all and promoting lifelong learning opportunities for all" and includes a set of related goals So. For the source and for more information click [here](#), for the source and for more information click [here](#)

Education for Development is associated with is closely linked to international discussions on sustainable development, which It has increased in size and importance since the publication of "Our Common Future" in 1987, It provided the first broad definition of sustainable development as "development that meets the needs of the present without prejudice to the ability of future generations to meet their needs." For Issuer For more information click [here](#)

The crucial role of education in Achieving sustainable development as duly at the United Nations Conference on Environment Development, held in Rio de Janeiro in 1992, through Chapter 36 of the Its outcome document - Agenda 21. For Issuer For more information click [here](#)

As emphasized in paragraph 233 of the "The future we want", the outcome document of the United Nations Conference for sustainable development, Rio+20, in 2012 on the importance of strengthening education for Sustainable development and the active integration of sustainable development into education. For the source and for more From the information click [here](#)

In 2005, UNESCO launched the United Nations Education for Sustainable Development reaffirmed key role Education in shaping values supportive of sustainable development and in consolidating sustainable societies. The chest Final report of the United Nations Decade of Education for Sustainable Development, "Shaping The future we want", at UNESCO's World Conference on Education for Development Held in November 2014, in Nagoya, Japan. For the source and for more information Click [here](#), for the source and for more information Click [here](#), for the source and for more information Click [here](#)

On the same occasion, as a follow-up to the Decade of Nations United Education for Sustainable Development 2005-2014, launched UNESCO World Programme of Action on Education for Sustainable Development. The goal The year of this program is to establish procedures at all levels and areas of teaching and learning and expand their scope to accelerate progress towards sustainable development. For Issuer For more information click [here](#)

This plan identified five areas with A priority for advancing the ESD agenda: supporting Policies, whole-of-institutional approaches, educators, youth and communities. and established UNESCO has five networks of partners, each corresponding to one of five priority areas, as one of its main mechanisms for the implementation of the Global Programme of Action. The networks will partners create synergies for the activities of their members and will stimulate actions taken by Interest others.

In the run-up to the UN Conference United for Sustainable Development, Rio+20, Higher Education Initiative created for Sustainability as a partnership between several UN sponsoring entities (UNESCO, United Nations Department of Economic and Social Affairs and United Nations Programme for the environment, the Global Compact and the United Nations University) with a view to mobilizing commitments from Alongside higher education institutions to teach and promote research on sustainable development, Greening universities and supporting local sustainability efforts. The initiative, which includes About 300 universities worldwide, more than a third of all commitments voluntary development that emerged from Rio+20, to provide higher education institutions with a unique interface between Policy making and academia. For the source and for more information click In here

In 2015, Sharakah became an initiative Higher Education for Sustainability is officially a member of Priority Area 2 in Global Programme of Action Partner Network: "Transforming Learning and Training Environments".

The initiative, through its association to help organizations develop sustainability plans in partnership with Wider community, helping universities integrate sustainability into university management Its governance, policies and management of its affairs.

Source: <https://sdgs.un.org/ar/topics/education>

#### Facts and numbers

- ▶ Enrolment in primary education In developing countries 91%, but 57 million children of primary school age are still unemployed Enrolled in schools.
- ▶ More than half of the children who have not lived They attend schools in sub-Saharan Africa.
- ▶ About 50% of children (who are in Primary school age) out of school in conflict-affected areas
- ▶ 617 million young people around the world lack access to Basic numeracy, reading and writing skills
- ▶ The following figure shows the percentages of students enrolled at Qassim University by gender and undergraduate stage (for more see the annual report of the university)



#### Targets Goal 4

- Ensure that all girls and boys enjoy and girls and boys with free, equitable and quality primary and secondary education, leading to the achievement of By 2030, appropriate and effective learning outcomes
  - Ensure that all girls and boys have opportunities Access to good quality early childhood development and care and pre-education Primary so that they are ready for primary education by 2030
  - Ensure equal opportunities for all women and men in Access to quality and affordable vocational and higher education, including University education, by 2030
  - significant increase in the number of young people Adults with appropriate skills, including technical skills by 2030
  - Eliminate gender disparity in Education and ensuring equal access to all levels of vocational education and training for groups vulnerable, including persons with disabilities, indigenous peoples and children living In fragile situations, by 2030
  - ensure that a significant proportion of all young people By 2030
- , both men and women, literate and numeracy Ensure that all learners acquire knowledge and skills to support sustainable development, including, inter alia, Education for sustainable development, sustainable lifestyles, human rights, Gender equality, promoting a culture of peace, non-violence and global citizenship Appreciate cultural diversity and appreciate the contribution of culture to sustainable development, by 2030
- Building educational facilities that consider Gender, disability, children, upgrading existing educational facilities Creating an effective, safe and violence-free learning environment for all

► Significant increase in the number of grants School available to developing countries globally to developing countries, in particular for least developed countries, small island developing States and African countries, for admission higher education, including vocational training and ICT grants, Technical, engineering and scientific programmes in developed and developing countries Others, by 2020

► Significant increase in the number of teachers qualified persons, including through international cooperation for teacher training in developing countries, By 2030, in least developed countries and small island developing States, in particular least developed countries and small island developing States

## Include the Concepts of Sustainability in the Educational Curricula

[https://twitter.com/sdc\\_2019/status/1681647115762556929](https://twitter.com/sdc_2019/status/1681647115762556929) [1]

Within the strategic #القسم\_القصيم project #خزينة\_المقررات the #التنمية\_المستدامة center held today, in cooperation with the Department of Plans and Programs at the university, a meeting with the aim of following up on the implementation of the project, which aims to include the concepts of sustainability in the educational curricula at the university.

#SDGs



## Faculty of Agriculture and Veterinary Medicine

<https://qu.edu.sa/content/p/2119> [2]

The Faculty of Agriculture seeks and veterinary medicine to provide advanced and accredited educational programs in the fields of agriculture and veterinary and food to prepare qualified competencies that meet the needs of the labor market, and to provide applied research And

distinguished advisory and training services for the local community, thus contributing to agricultural development and food and environmental security, by applying the best standards and activating partnership nationally and internationally.

For more information We hope to visit the website of the Faculty of Agriculture and Veterinary Medicine on The following link:

cavm.qu.edu.sa

## Building a Factory for Advanced Production and Innovation

<https://twitter.com/QassimUniv1/status/1668957436420530176> [3]

In order to achieve the university's strategy to support research, development, innovation and training, and to promote investment opportunities.

Signing a cooperation agreement between **وزارة الصناعة والثروة المعدنية** and **جامعة القصيم** to establish and build a factory for advanced production and innovation at the university. It was signed by His Excellency Prof. Abdul Rahman bin Hamad Al-Daoud, President of the University, and His Excellency Eng. Osama bin Abdulaziz Al-Zamil, Deputy Minister of Industry and Mineral Resources, in the main lobby of the university campus.



وقع معالي الأستاذ الدكتور عبدالرحمن بن حمد الداود رئيس جامعة القصيم، ومعالي نائب وزير الصناعة والثروة المعدنية المهندس أسامة بن عبدالعزيز الزامل، اليوم الأربعاء الموافق 1444/11/25 هـ، اتفاقية تعاون بين وزارة الصناعة والثروة المعدنية وجامعة القصيم، وذلك لتأسيس وبناء مصنع للإنتاج المتقدم والابتكار بالجامعة، بحضور سعادة وكيل الجامعة الدكتور محمد بن عبدالرحمن السعوي، وسعادة وكيل الجامعة للتخطيط والتطوير والجودة الأستاذ الدكتور خالد بن باهي الحربي، وسعادة وكيل الجامعة للشؤون التعليمية الدكتور فهد بن سليمان الأحمد، وعدد من عمداء الكليات المعنية.

### عن الاتفاقية:

يسعى الطرفان إلى التعاون في مجال التصنيع والإنتاج المتقدم والابتكار الصناعي، حيث تعد هذه المجالات ركائز أساسية للإسهام في تحقيق رؤية المملكة 2030 صناعيًا، وتساهم هذه المجالات، في رفع مساهمة القطاع الصناعي في الناتج المحلي، وإيجاد الوظائف، وزيادة حجم الصادرات غير النفطية تحقيقًا للتنمية المستدامة، وتنويع مصادر الدخل، والمساهمة في تحسين مؤشر التنافسية ومؤشر الابتكار، وذلك بالتركيز على الصناعة كخيار استراتيجي.

### أهداف الاتفاقية

- تأسيس مصنع للإنتاج المتقدم والابتكار على الأراضي التابعة للجامعة، ومنها التدريب على رأس العمل.
- تحفيز البحث والتطوير والابتكار والاختراع من خلال تشجيع المصنع للتعاون مع الجهات ذات العلاقة بالجامعة.

### مجالات التعاون:

- 01 تفعيل برنامج (رافد) والذي يُعنى بتأسيس وبناء مصانع للإنتاج المتقدم والابتكار على الأراضي التابعة للجامعة.
- 02 وضع المعايير اللازمة لمنح المستثمرين التراخيص الصناعية لإقامة المشاريع الصناعية ضمن برنامج رافد.
- 03 تصميم الجوائز والخدمات الداعمة لبرنامج رافد.
- 04 وضع مؤشرات أداء برنامج رافد في منطقة التعاون بين الطرفين.
- 05 تدريب منسوبي الجامعة ومنها التدريب على رأس العمل.
- 06 تحفيز البحث والتطوير والابتكار والاختراع من خلال تشجيع المصنع بالتعاون مع الجهات ذات العلاقة بالجامعة.
- 07 الاستفادة من خبرات الطرفين في تشغيل البرنامج.
- 08 استحداث برامج أكاديمية أو تطوير البرامج الحالية فيما يدعم الهدف.
- 09 العمل على استقطاب شركاء مهنيين وأكاديميين من الخبراء لنقل الخبرة وإثراء البرنامج.
- 10 إنشاء وتفعيل خطط البحث العلمي والابتكار في مجالات التصنيع المتقدم.
- 11 دعم التعاون والشراكة مع الشركاء العالميين في القطاعين الأكاديمي والتجاري من رواد تقنيات التصنيع المتقدم من خلال البرنامج.
- 12 دراسة ربط أعضاء هيئة التدريس وطلاب الدراسات العليا بالمشآت الصناعية وبيوت الخبرة لتقديم الدراسات ودعم الأبحاث الصناعية لتحسين كفاءة تشغيل المصانع وتطبيق حلول التصنيع المتقدمة.



## The Engineering Club at Qassim University discusses the role of solar energy in strengthening the national economy according to Vision 2030

<https://qu.edu.sa/content/news/392> [4]

The Engineering Club at Qassim University discusses the role of solar energy in strengthening the national economy according to Vision 2030

Information and Communication Center:

The Engineering Student Club at Qassim University at the College of Engineering and ASME in partnership with the Saudi Council of Engineers organized a lecture entitled "The Role of Solar Energy in Enhancing the National Economy in Vision 2030".

During his lecture, Dr. Radwan Abdul Ghani spoke about the axes on which the vision depends on a vibrant society, a prosperous economy and an ambitious homeland, and the importance of energy for the realization of the axes. This lecture came within the multiple programs held by the Student Engineering Club to raise the level of efficiency of the students of the College of Engineering and those interested in this field, and the lecture received attention from students for its importance and the information it contained showing the role of solar energy in Vision 2030.

For their part, a number of members of the Student Engineering Club confirmed that the club will continue to hold lectures that will develop the student and raise his efficiency in line with the vision of the Kingdom of Saudi Arabia 2030.

The lecture was held on the stage of the College of Engineering in the presence of more than 120 people, including the Dean of the College of Engineering, Dr. Fahad Al-Mufdi, his agents, and a number of faculty members, engineers and students.

## The Rector inaugurates the headquarters of the "Center for Sustainable Development" and directs the launch of the Award for Innovation and Environmental Excellence for Students

<https://qu.edu.sa/content/news/880> [5]



His Excellency Prof. Dr. Abdulrahman bin Hamad Al-Dawood, Rector of the University, inaugurated the new headquarters of the Center for Sustainable Development at the University on Thursday, 24/8/1439 AH, and directed His Excellency during the opening to launch the Award for Innovation and Environmental Excellence for male and female students, and expressed his admiration for the sections of the headquarters, in which many requirements were taken into account in line with the nature of the Center's objectives, and he was briefed on the exhibits of wild seeds, treated water, types of wild firewood and healthy and clean vegetables "organic", which added to the headquarters a present mental attachment.

Al-Daoud met with the members of the Executive Committee and praised the achievements of the Center during the current year, including the preparation of conditions booklets for the implementation of the package of projects of the strategic plan of the University directly related to the development and investment frameworks in the Qassim region, hoping for the success of these projects, because of the continuous support received by the Center by His Highness and the membership of a number of prominent members from inside and outside the University, headed by His Royal Highness Prince Dr. Faisal bin Meshaal bin Saud bin Abdulaziz.

For his part, the Director of the Center for Sustainable Development, Mr. Ibrahim bin Saleh Al-Rabadi, stressed that one of the achievements of the Center is the establishment of the Voluntary Sustainability Unit, and pointed out that the Center received direct support from His Excellency the Director to establish a sustainable development award dedicated to university students, directed in several tracks, which will be announced at the beginning of the next academic year.

During the opening of the Center, the eleventh meeting of the Executive Committee was held, which touched on the scientific activities to be implemented in addition to the community services provided by the Center and field visits by the members of the Executive Committee to introduce the vision of the Center, its mission, objectives and initiatives in sustainable development, as well as discussion on the future projects of the Center.

## The College of Agriculture and Veterinary Medicine holds several "remote" scientific lectures to activate the World Food Day

<https://www.qu.edu.sa/content/news/2245> [6]

A lecture entitled "Organic Agriculture in Achieving Sustainable Agricultural Development: Vegetable Crops as Models" was presented by Dr. Adel Hassan, a member of the faculty, during which he explained that organic agriculture is an agricultural pattern that preserves and develops natural resources by improving the fertility and properties of the soil and improving biodiversity. and its biological cycles, to preserve the environment from pollution, and this characteristic makes it play an important role in providing the nutritional needs of current generations and preserving the rights of future generations to achieve sustainable development. The lecture dealt with data and figures obtained from the Food and Agriculture Organization (FAO) and practical research centers interested in organic agriculture and the management of organic production in various countries of the world and the importance of organic agriculture and its role in achieving sustainable agricultural development.





## The Prince of Qassim inaugurates the university's initiative "sustainable university" as a qualitative initiative at the level of Saudi higher education

<https://www.qu.edu.sa/content/news/1197> [7]

His Royal Highness Prince Dr. Faisal bin Mishaal bin Saud bin Abdulaziz, Governor of Qassim Region, Chairman of the Advisory Board of the Center for Sustainable Development at the university, launched a qualitative initiative at the level of Saudi higher education represented in declaring the university as a "sustainable university", during the council's first session, which was held yesterday Tuesday in the meeting room of His Highness's office at the Emirate's headquarters in Buraidah, in the presence of His Excellency Dr. Abdul Rahman bin Hamad Al-Daoud, Director of Qassim University and members of the Council.



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