

UNIVERSITY OF ALGARVE

SUSTAINABLE  
DEVELOPMENT  
GOALS

# SUSTAINABILITY REPORT 2021





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## INTRODUCTION

Sustainable development is the main challenge of our times and Higher education institutions should lead with effective contributions. We need to focus on meeting societal basic requirements and also entrepreneur projects without compromising the ability of future generations to meet their own needs in next centuries and to flourish by developing their own life-projects, embedded with respect for nature rights.

This is the first sustainability report of the University of Algarve, updating about some of the major activities in 2021, regarding each of the Sustainable Development Goals (SDG) of United Nations (UN) Agenda 2030. It was produced within UAlg Council + Sustainable and Healthier with the valuable contribution of its members. This report also monitors our contribution to other relevant international agreements, namely Paris Agreement, European Green Deal and COP 26 for a fairer, greener and more prosperous society, and to encourage a more sustainable way of living, to promote joint-efforts between people and organizations, and to have mission-oriented approaches.

The well-being of society, the protection of the environment and

the mitigation and adaptation to global changes that threaten life on earth are part of the 17 SDG covering a number of interconnected areas such as: eliminate poverty, equitable access to education and quality health services, creating decent jobs, energy and environmental sustainability, conservation and management of water and ocean quality. In view of the relevant role that higher education institutions play in society, they must contribute to the achievement of these objectives. UAlg through Teaching, Research, Community and Governance, aims to support a healthier life in its *campi*, but also to contribute to a fair society and a balanced environment outside its walls, regionally and making bridging to other continents, Africa, America or Asia.

This report is organized reflecting the contribution of UAlg to sustainability, although not exhaustive, in those four major components, **Teaching, Research, Community and Governance**. By creating and disseminating through formal and informal education science-based evidence in a wide range of scientific fields, we will become in future a more sustainable place to work and study, with less impact on nature.

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GOAL

1

# NO POVERTY

End poverty in all its forms, everywhere.



## TEACHING & LEARNING

**2020/21**

**Number of students: 8706**

**Number and % of total of low-income students receiving financial aid: 1918; 22%**

**N° of Curricular Units taught registered for SDG 1 and % of total: 66; 3%**

### Programme for academic success

UAlg has a programme to *promote academic* success and reduce dropout for all *UAlg students*.

### Academic Consortium of the Global Platform for Syrian Students

UAlg is member of the Academic Consortium of the *Global Platform for Syrian Students*, a non-profit multi stakeholders' organization. Participating

universities commit to grant at least full or partial tuition fees waivers to Syrian students for at least one academic year. In 2021, UAlg has 2 Syrian students.

### UAlg contributed to support Ukrainian refugee students

During the academic year 2021/2022 we started to monitor the number of refugee students from Ukraine that were accepted and supported with co-funding in UAlg. During this period, 11 students were accepted, 5 females and 6 male students, studying Arts & Humanities (2), Social Sciences, Commerce and Law (2), Science, Mathematics and Informatics (1), and Health and Social Protection (6). Comparatively, these students in UAlg represent 11% of all refugee students within all Portuguese HEIs.





### Mobility Programme within Portuguese-speaking Universities (AULP)

UALg through the AULP Mobility Program supported 2 students per year (2020/2021) exchange between higher education institutions members of the Association of Portuguese-speaking Universities (AULP) and aims to award less developed countries within the Portuguese-speaking countries, as Cape Verde, Macau, Mozambique, S. Tomé and Príncipe and Timor-Leste, and also Angola, Brasil, providing students with the opportunity to undertake a period of study in Algarve (with access to free residence and cantina services) [AULP | Programa Mobilidade AULP \(mobilidade-aulp.org\)](http://AULP|ProgramaMobilidadeAULP(mobilidade-aulp.org)).

### Student financial support

UALg has a *Social Support Fund*, which covers:  
Emergency Grant – monetary contribution aimed at responding to occasional situations  
Collaboration Scholarship co-funding of the costs of attending a study cycle through the collaboration of the student with the Social Services in their activities.

## RESEARCH

### Publications 2017–2021

(Data source: Scopus, up to 29 Jun 2022)

Scholarly output (n° paper): **8**  
Field-Weighted  
(Citation Impact): **1**  
Citation count: **78**

### CRIA

CRIA-Division of Entrepreneurship and Technology Transfer of the University of Algarve *UALg unit* provides assistance to all the academic community in the scope of entrepreneurship and tech transfer, developing directly or with other local, regional, national and international partnerships, including assistance to the start-up of sustainable businesses.

### Portugal 2020 Programme

UALg is accredited by the *Portugal 2020* Program for services in *Research & Technological* Development, Entrepreneurship, Internationalization and Innovation.

Projects: European Space Agency Business Innovation Center, Prototyping, RESTART, INOVA 2.0 and DIGITEC Transfer, help entrepreneurs and agri-food companies towards more profitable, competitive and sustainable business models.

### International collaboration

Several international projects in UALg aim to increase the quality of life in Africa and are related with health and food availability, focus on water quality and subsistence fisheries, e.g. ([ccemarlundawaterfront.com](http://ccemarlundawaterfront.com)) and

*Integrative approach to enhance the quality of live in fishing communities of the 'Bons Sinais' estuary (Mozambique) | - CCMAR - (ualg.pt).*

## COMMUNITY

### Support entrepreneurship in the local community

UALg develops initiatives through the support of *new business ideas*, *organization of business ideas* contests, workshops and seminars, to clarify any doubt on how to create sustainable companies.

### Access to basic services and volunteering activities

UALg organizes programmes and activities to improve access to basic services for all, such as those carried out within the framework of UALg V+ *volunteering activities*.

### Inclusive School

UALg has implemented a set of specific conditions for students with special educational needs based on the recognition of the right to difference via the *Special Educational Needs Office*, without abdicating the normal parameters of demand and quality of the teaching and learning process.

## GOVERNANCE

Since its inception in 2020, UALG TEC START works daily to grow its incubation and acceleration potential, increasing its international networks.

Currently UALg is a member of the national incubator network, accredited for incubation valley measures, ignition partner at Portugal Ventures and a representative of UALG at TECPARQUES. CRIA develops a number of initiatives highlighting actions like the Business Ideas contests – Ideias em Caixa.

### Representativity

UALg participates in *policy making* at local, *regional, national and/or global level* to implement programmes and policies to end poverty in all its dimensions.

GOAL

2

## ZERO HUNGER

End hunger, achieve food security and improved nutrition and promote sustainable agriculture.



### TEACHING & LEARNING

**2020/21**

**Number and % of total of graduates in agriculture and aquaculture including sustainability subjects:**

**221; 12%**

**N° of Curricular Units taught registered for SDG 2 and % of total:**

**123; 5%**

#### Study programs

UAlg offers *degrees at different academic levels* (graduation, masters, and PhD) that focus on food security issues, with emphasis on food production and transformation, environmental sciences, and marine and rural resources.

### RESEARCH

#### Publications 2017–2021

(Data source: Scopus, up to 29 Jun 2022)

Scholarly output (n° paper): **88**

Field-Weighted

(Citation Impact): **1.24**

Citation count: **785**

#### Food waste assessment and awareness

The amount of food waste generated from food served within the university is estimated yearly, as part of an *ongoing collaboration* between the



Food Engineering Department and the Social Services (SAS). The food waste is estimated based on the total food products acquire by UAIG, the total number of meals served at the university in 2021, and the average of food waste by meal. Food waste during the meals' preparation (pre-consumption) is 9%, and the food waste after meals' consumption is 23%. The *volunteering activities* of UAIG V+ group developed with Re-food and the Food Bank allows UAIG to distribute food, that is not served in its canteens, to people and families in need.

#### From food by-products to compost

Collaboration between the Ecomposting Project and UALG V+ for the creation and implementation of a composting station

in Gambelas Campus aims to valorise organic waste as high quality compost.

## COMMUNITY

Incubating regional entrepreneurs CRIA manages the incubator of the University of Algarve, named UALG TEC START, making available facilities (e.g., labs, technology, equipments and utensils, and plant stocks) to local farmers and food producers to improve sustainable farming and producing practices. As an output, many start-ups and spinoffs such as *SPAROS*, *Carob World*, *Grand Carob*, *Dandlen BioScience*, *BEQ*, have been developed and are now reference companies in the national and international markets they operate in. The project *Access2Sea* integrates a market approach to the development of small and medium-sized enterprises (SMEs) in the aquaculture sector. It includes technology transfer and university-enterprise cooperation benefiting SMEs.

UALG co-organized an *international event* to link research on small-scale fisheries and the fishing practises of fishermen, and other stakeholders, on the European Atlantic Coast.

## GOVERNANCE

### 2021

Total (annual) food waste:

**32.549 tonnes**

Campus population:

**10116 people**

Food waste per person:

**3.22 kg/person/year**

### Supporting food security and healthy meals

In addition to food, housing and health services, there are *scholarships* attributed to the low-income students (social support scholarships) and, under the Program "+ Superior", there is also a Students Social Aid Fund – Emergency scholarships and Cooperation scholarships.

With quality and diversity ensured, thousands of meals are served every day in the canteens and restaurants of the SAS. The *menus*, planned under the guidance of a nutritionist, include the choice between a meat or fish dish, and a vegetarian dish. The full meal includes soup, main course, bread, dessert (sweet or fruit) and drink (water or juice).



GOAL

3

## GOOD HEALTH AND WELL-BEING

Ensure access to quality healthcare and promote well-being for all, at every stage of life.



### TEACHING & LEARNING

2020/21

**Number and % of total of graduates in health professions: 427; 24%**

**N° of Curricular Units taught registered for SDG 3 and % of total: 573; 22%**

#### Study programs

UAlg offers several *degrees* (graduation, masters, and PhD) in health sciences and medicine.

#### Life skills development for all

Life skills courses for all, including time management, stress management and study methodologies to improve the well-being and performance of all gender have been offered and *recognized* by OCDE has an innovative example on career guidance and successful transition to higher education.

The *UAlg's Peer Mentoring Program* was created to answer to the needs of new

students. The transition to the Higher Education can bring several challenges, especially when we are in the 1st year and meet new colleagues and teachers, new ways of teaching and of evaluation, new learning rhythms and even new challenges on a personal level, such as being in a different city and being away from family or friends.

### RESEARCH

#### Publications 2017–2021

(Data source: Scopus, up to 29 Jun 2022)

Scholarly output (n° paper): **400**  
Field-Weighted (Citation Impact): **1.48**  
Citation count: **5343**





### Project: MEDITA "Mediterranean Diet Promotes Health"

The project MEDITA is a *partnership project* of CCDR Algarve, UAig, ARS Algarve, IP and Servicio Andaluz de Salud da Junta de Andalucía, funded by the European Regional Development Fund (ERDF), through the Interreg España-Portugal - Poctep programme

### International Centre on Ageing (CENIE)

UAig is an associate of the International Centre on Ageing (CENIE). *CENIE* is a partnership of Universidad de Salamanca and the Fundación General del Consejo Superior de Investigaciones Científicas in Spain, the General Directorate of Health and UAig in Portugal, that aims to tackle the progressive increase on the life expectancy and the reduction of birth rates in European (and global)

populations and to help people so they can have a longer life, active and independent.

## COMMUNITY

### ABC distinguished at national level for combating COVID-19

The ABC-Algarve Biomedical Centre (consortium of UAig and Centro Hospitalar Universitário do Algarve) was *distinguished* for the 'ABC-COVID' project, with several initiatives to mitigate the spread of Covid-19 in the population of the Algarve, Baixo Alentejo and Alentejo Litoral, and in the country.

### The Psychology Service is open to the community

The *Psychology Service* is open to all from Academic Community, public and private entities and to all people, providing services to the community, through four intervention units: Clinical and Health Psychology, Educational, Development and Vocational Psychology, Social and Organizational Psychology, and Neuropsychology.

### The Laboratory of Hearing and Speech Therapy Lilia Brinca (L.A.T.F.) serves community

The *L.A.T.F.* provides Speech Therapy and Audiology services for patients of public and private health systems. Speech Therapy sessions are provided to children, adolescents and adults

with alterations in Communication, Language, Speech, Reading and Writing, Voice and Central Auditory Processing.

## GOVERNANCE

UAig promotes health and *health and well-being* of its academic community, offering medical care and psychological services, *sports*, and *cultural* activities.

### UAig awarded Gold by FISU

In July 2020, UAig joined the Fédération Internationale du Sport Universitaire (FISU) Healthy Campus program, a worldwide certification program for Higher Education institutions. On October 30, 2021, *UAig was awarded "Gold" certificate*, complying with a total of 81 of the 100 criteria. Several (7) of the activities were considered as best-practices by FISU (*e-book*).

### Algarve Biomedical Research and Training Academic Centre

Consortium between the *Algarve University Hospital Centre and the University of Algarve*. Its mission is to create, transmit and disseminate a culture of research and development, aimed at improving educational and scientific performance in the area of health.

The *ABC provides services* that aim to improve *the quality of life* of the whole community.

GOAL

4

## QUALITY EDUCATION

Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.



### TEACHING & LEARNING

**2020/21**

**Number and % of total of graduates in who gained a qualification that entitled them to teach at primary school level: 125; 7%**

**Number and % of total of first-generation students starting a degree: 1335; 62%**

**N° of Curricular Units taught registered for SDG 4 and % of total: 1677; 66%**

#### UAlg Team/Lectures

The programme “*UAlg Team Lectures*–Lectures and activities for students and teachers from primary and secondary schools” aims of strengthen relations between higher education (UAlg) and basic and secondary education, providing knowledge in diverse scientific

areas and raising awareness about the importance of the higher education.

#### Summer Courses

These *courses* are provided to young people in upper secondary education. They aim to promote the knowledge about the UAlg’s teaching and research areas and to help young people in their vocational choice.

#### Lifelong training courses, workshop, seminars and events

UAlg provides *lifelong-training* with access to *curricular units* as well as to training courses, workshops, seminars and events.

Our students are motivated to participate in the researchers’ projects, either through research grants (for undergraduates) or through *Research Integration Internships* (for students).





## RESEARCH

### Publications 2017–2021

(Data source: Scopus,  
up to 29 Jun 2022)

Scholarly output  
(n° paper): **74**  
Field-Weighted  
(Citation Impact): **1.16**  
Citation count: **464**

### Research Centre for Adult Education and Community Intervention (CEAD)

Is the first R&D Unit in Portugal exclusively dedicated to this area of knowledge. *CEAD's* mission is to promote and carry out research

activities in Adult Education and Community Intervention, to build and disseminate scientific knowledge with educational and social utility, as well as to support planning and decision-making processes in this subject.

## COMMUNITY

### Volunteer projects and ad-hoc volunteering activities

UAlg organizes and carries out several volunteer projects and ad-hoc volunteering activities in cooperation with NGOs and social institutions within the framework of the UAlg V+ *volunteering* group. One of the "regular activities" included the project "Support for AJAT projects – Associação Juvenil Akredita em Ti (Quarteira).

### EPSOS and RIAPE Network

UAlg (via the Psychology Service) organizes regular (often annual) events directed at education/vocational psychologists working in secondary schools, such as the Meeting of Counseling Services Psychologists (EPSOS) (the *5th edition* was held in May, 2021), and promotes a network of peer-supervision in education psychology (*RIAPE—Rede de Intervisão do Algarve em Psicologia da Educação*).

### The MILAGE Aprender+ App

This *application for mobile devices*, developed at UAlg, enables students to

access educational content inside and outside the classroom. The Directorate General of Education (DGE) and the UAlg have signed a protocol to collaborate at technical, pedagogical and logistical levels, to promote the dissemination and use of the application MILAGE APRENDER+. Is intended to extend the use of the application MILAGE APRENDER+ to all basic and secondary students in the country, contributing to a greater motivation and success in learning mathematics and other subjects.

## GOVERNANCE

### The Library

Located in different buildings in the campuses of UAlg, the library is also open to the general public. The library often hosts cultural and educational events, such as *several life-long training* courses, workshop, seminars and events, including curricular units.

### UAlgSkills4All

Since 2021, this *project*, under the "Impulso Jovens STEAM" and "Impulso Adults" programmes of the Recovery and Resilience Plan (RRP), aims to contribute to increasing the number of graduates and lifelong learning, promoting equal opportunities, contributing to employability and to a more sustainable world.

GOAL

5

# GENDER EQUALITY

Achieve gender equality  
and empower all women  
and girls.







## TEACHING & LEARNING

**2020/21**

**Number and % of first-generation women starting a degree: 714; 62%**

**Number and % of female graduates: 1158; 65%**

**N° of Curricular Units taught registered for SDG 5 and % of total: 346; 14%**

Measures are underway to improve *student performance* in general (all genders), including support programmes in *mathematics*, and life skills development courses and activities, including time management, stress management and *study methodologies*. Since 2016, UAIG participates in the national project "*Engenheiras por um dia*", which is an initiative of the Secretary of State for Citizenship and Equality. This programme aims to raise awareness among primary and secondary school students of the importance and interest of engineering in the development of the country and the world.

## RESEARCH

### Publications 2017–2021

(Data source: Scopus, up to 29 Jun 2022)

Scholarly output (n° paper): **23**

Field-Weighted

(Citation Impact): **0,94**

Citation count: **166**

The research focused on reduction of sexist attitudes, romantic myths and aggressive behaviours in adolescents received special attention by UAIG Units of Research and Development in fields such as on Family activities balance between genera as well.

## COMMUNITY

Maternity and paternity policies that support women's participation Student *mothers and fathers* with children up to 5 years of age and especially young pregnant women, women who have recently given birth or are breastfeeding, enjoy special rights so that they can more easily reconcile their studies and participation in academic life with family life.

## GOVERNANCE

### UAIG has an Inclusive Gender Equality Plan

UAIG created in 2021 the Gender Equality Working Group with the mission of preparing and presenting the UAIG *Inclusive Gender Equality Plan*.

Disciplinary regulation

UAIG has a *student disciplinary regulation* and the *charter of rights and duties* of the academic community, both contributing to enforce gender equality.

GOAL

6

## CLEAN WATER AND SANITATION

Ensure availability and sustainable management of clean drinking water and sanitation for all.



### TEACHING & LEARNING

2020/21

**No. of Curricular Units taught registered for SDG 6 and % of total: 45; 2%**

#### Study programmes on clean water and sanitation issues

The university offers study programmes contributing ensure availability and sustainable management of water and sanitation, namely the *Master in Marine and Coastal Management*, the *Erasmus Mundus Joint Master in Applied Ecohydrology (MAEH)*, *Master in Urban Water Cycle*, and the *Erasmus Mundus Master in Water and Coastal Management*.

### RESEARCH

#### Publications 2017–2021

(Data source: Scopus, up to 29 Jun 2022)

Scholarly output (n° paper): **140**

Field-Weighted

(Citation Impact): **1.31**

Citation count: **1648**

#### Ecohydrology on the rise

*UAlg's UNESCO Chair in Ecohydrology: water for ecosystems and societies* aims to cooperate with Universities, institutes, and other stakeholders, all over the world, to develop education and research solutions that tackle the increasing





scientific council of international, national, and regional bodies. As an example, UAIG participates in the *Loulé Adapta* initiative (Municipality of Loulé) in the context of the Circular Water Economy. UAIG also cooperates with national and regional agencies, such as *APA – Environmental Portuguese Agency*, supporting the contest for the Secondary School of Algarve with the best Hydric Efficiency. An example of these policies and activities, was the intervention made in the “*Lago do Jardim das Comunidades*”, Almancil, that implemented the environmental restoration of this iconic urban lake.

*centralized treatment plant* (run by Águas do Algarve), achieving tertiary treatment (disinfection) before being discharged into the environment. *FAGAR* is a municipal company whose mission is to manage, operate and maintain public water distribution systems, drainage of domestic and rainwater, collection, and transport of Urban Waste. UAIG has laboratory procedures in place to prevent the contamination of sewage water with potentially dangerous substances. There is free drinking water for all at the university bars and canteens, we have a campaign to *reduce plastic* and incentive to use by the students of their own cup to drink water instead of buy bottle of water. Moreover, tap water is potable and of good quality. In complement to tap water available in many restrooms, public water fountains are being placed in the exterior areas. The buildings also have water-saving sensors and drip irrigation is used in gardens. Most of our plants are native (and drought-tolerant plants). During 2021, over 3000 native plants were planted in barren areas of the Gambelas campus, as a way of compensation for those removed during infrastructures' construction within the project Together We Protect with ZOOMARINE. Working Group Eco-campus of UAIG promotes a conscious water usage on campus and wider community, through R&D projects and events, and the group received the *award in 2021 Eco-Campus UAIG* is part of the international program of the “Foundation for Environmental Education”, in the scope of Environmental Education for Sustainability at UAIG.

## GOVERNANCE

Volume of water used in the university: Inbound (treated/ extracted water): **38889 m³**

Campus population: **10116 people**

Water consumption per person: **3.84 m³**

### Managing water and wastewater

The UAIG's *2017-2021 strategic plan* unequivocally commits our institution to the UN's sustainable development goals (SDG) and in this context measures for greater control of water waste have been implemented.

The wastewaters produced in the university are collected by the municipal wastewater system and treated in a

worldwide degradation of aquatic ecosystems in the topic of aquatic ecosystems management, with particular emphasis on ecohydrology. The *AT International conference on Ecohydrology* was also held in UAIG bringing together expertise and experiences, presenting examples from basic research to implementation, integrating knowledge from molecular level to river basin management, from different regions of the world.

## COMMUNITY

Collaborate to save water  
UAIG has actively been collaborating in the preparation, follow-up, and



GOAL

7

# AFFORDABLE AND CLEAN ENERGY

Ensure access to sources of reliable, sustainable and modern energy for all.



## TEACHING & LEARNING

2020/21

**No. of Curricular Units taught registered for SDG 7 and % of total: 34; 1%**

### Study programmes addressing energy issues

Our training offer includes bachelors/1st cycle degrees in Electrical and Computer Engineering and in Mechanical Engineering, and masters/2nd cycle degrees in Mechanical Engineering-Energy, Air-conditioning and Refrigeration; the post-graduate course in Adaptation to Climate Change and Mitigation, in Advances in Urban Water Cycle, in Design and Rapid Prototyping, in New Technologies for the Urban

Water Cycle, in Sustainable Cities, and in Rehabilitation-Buildings and Urban Areas. There are also several other short courses open to the general public.

## RESEARCH

### Publications 2017-2021

(Data source: Scopus, up to 29 Jun 2022)

Scholarly output (n° paper): **93**  
Field-Weighted (Citation Impact): **1.48**  
Citation count: **1146**

UAlg is committed to the development of clean energy and energy-efficient







technologies and policies. The **T2UES** project designed and tested a network of recharging stations using renewable energies and light electric vehicles to tackle the problem of excessive **traffic in the areas of the Huelva and Algarve in summer**. The **LOCAL4GREEN** project invested in finding carbon and energy efficient strategies in cities, islands and remote areas. Project PELAGOS built a permanent cluster of national HUBs in the Blue Energy sector, where technical experiences can be shared. UAIG is partner of the **AGERAR** project, to promote energy efficiency and sustainability in commercial and residential microgrids, increasing the use and management of renewable energy due to storage systems and **use of information and communication technologies**.

## COMMUNITY

UAIG supports entrepreneurship and tech transfer, including to start-ups that foster and support a low carbon economy / technology, and extends this support to all regional agents, whenever innovation is identified, supported by the **Entrepreneurship and Technology Transfer** division (CRIA).

UAIG supports the communication of clean energy and energy-efficient technology policies, through workshops such as the PERIN 2019 "Science, + Europe" days,; the 1st Winter Seminar in "**Energy Systems in housing and hotels**", and hosted the public presentation of the government's **Sessions of the Carbon Neutrality Roadmap 2050** and the National Energy and Climate Plan (2030). UAIG participates in several programs on the importance of energy efficiency and clean energy for local communities. Examples include the **CULATRA 2030** project, a pilot for energetically independent communities based on clean energy. Is partner of the **AGERAR** project to promote energy efficiency and sustainability in commercial and residential microgrids, increasing the use and management of renewable energy due to storage systems and use of information and communication technologies.

## GOVERNANCE

Total energy used:  
**23544 GJ**

University floor space:  
**122127 m<sup>2</sup>**

Energy usage per m<sup>2</sup>:  
**0.19 GJ**

The objective of efficient use of energy and the production of electricity using renewable sources is inscribed in all **yearly Action Plans** since 2017.

A commission is then responsible to carry out energy audits to the Campi, and to propose measures to reduce consumption and increase energy production.

Every new building or building renovation always contemplates the installation of photovoltaic power stations on the rooftops. Common lamps are being replaced by LEDs and the vehicle fleet by electric cars.

GOAL



## DECENT WORK AND ECONOMIC GROWTH

Promote inclusive and sustainable economic growth, full and productive employment and decent work for all.



### TEACHING & LEARNING

**2020/21**

**No. of Curricular Units taught registered for SDG 8 and % of total: 1020; 40%**

The university offers a large number of courses in economics and management, including bachelor degrees in: Business Management; in Economics; and in Sociology. The offer at master level includes Accounting; Business Management; Finance; Health Care Services Management; Management; Management, Entrepreneurship and Innovation; Marketing Management; Sociology; Tourism Economics and Regional

Development; Tourism Organizations Management; Marketing; Hospitality Management and Administration; Tax Management; Human Resources Management; Management and Evaluation In Healthcare Technologies; Sustainable Management of Rural Areas; Quality Management and Agro-food Marketing; and School Management and Administration. PhD studies include those in Economic and Management Sciences; in Quantitative Methods Applied To Economics and Management; in Sociology; and in Tourism. Some of these degrees are taught in English and recruit a considerable number of international students.





development including the social well-being and socially responsible economic development. Examples of projects along these lines include: *TrailGazersBid*, to measure the socio-economic impacts of investing and promoting trails in natural heritage areas, using innovative technologies and systems to capture activities on the trails and elaborate plans for their sustainable management; *BIODES*, to evaluate the performance of the existing nature based solutions, identifying potential opportunities for producing added value and contributing to the future improvement of the environment; *Guadiana Eurocity*, addresses the new territorial challenges through cohesive urban and social development; *RESTUR*, to measure and monitor the impacts of tourism on residents in the Algarve, considering the region as a whole and its municipalities individually; and *TurExperience* to identify, measure and monitor the tourist experience in the Algarve and its impacts on the region's electronic word-of-mouth image as a tourist destination.

the companies, two collaborative laboratories (CoLabs) were created. The *S2AQUA* dedicated to sustainable and intelligent aquaculture, and *KIPT* addressing knowledge and innovation in tourism.

## GOVERNANCE

2021

Number of employees: **1298**  
Proportion of employees on secure contracts (over 24 months): **89%**

University expenditure :  
**59 565 645,68 euros**  
Expenditure per employee:  
**45 890,33 euros**

UAIG complies with the current legislation regarding equal pay for work of equal value, and equal opportunities for all, as established in its Plan for Gender Equality. The administration and governance is based on respect for identity, encouraging the free expression of ideas and opinions, guaranteeing freedom of scientific, cultural and technological creation, stimulating the participation of all university bodies in common academic life, and promoting a close connection between its activities and the community in which it is integrated. The university has an ethics committee open to appeals from any member of the academic community. The Economic and Social Council is an external consultation body to promote relations between UAIG and regional environments. It has twelve external representatives, of which two are representatives of the region's labor associations.

## RESEARCH

**Publications 2017–2021**

(Data source: Scopus, up to 29 Jun 2022)

Scholarly output  
(n° paper): **150**  
Field-Weighted  
(Citation Impact): **1.29**  
Citation count: **1488**

**Several projects at UAIG are committed to SD in socio-economic perspectives**

UAIG is committed to sustainable

## COMMUNITY

The university's mission is to promote sustainability through innovation and inclusion, in teaching and research, in a climate of proximity. It is reflected in the opening to the outside, promoting economic development, social well-being and the preservation of the environment, through the creation and dissemination of knowledge. The participation of all Algarve municipalities in the contract-program "Extend and modernize the teaching of medicine and clinical and biological research at UAIG" is proof that the connection with regional agents has been strengthening. In terms of the relationship with

GOAL

9

## INDUSTRY, INNOVATION AND INFRASTRUCTURE

Build resilient infrastructure,  
promote inclusive and  
sustainable industrialisation  
and foster innovation.



### TEACHING & LEARNING

2020/21

**No. of Curricular Units taught  
registered for SDG 9 and %  
of total: 533; 21%**

#### Study programmes

UAlg offers a consolidated portfolio of *engineering and technology* courses, ranging from open courses, to TeSP, undergraduate/1st cycle degrees, to master/2nd cycle degrees, to doctorates. The classes in these programmes are mostly practical and problem-solving focused, and they all have linkages to the industry.

### RESEARCH

#### Publications 2017–2021

(Data source: Scopus,  
up to 29 Jun 2022)

Scholarly output  
(n° paper): **120**  
Field-Weighted  
(Citation Impact): **1.40**  
Citation count: **1201**

2021

**Number of university spin-offs  
established at least 3 years ago  
that are still active: 88**





Research income from industry and commerce: **655 807.30 €**

Research income from industry and commerce (STEM): **290 637.33 €**

Research income from industry and commerce (Medicine/Health): **131 742.81 €**

Research income from industry and commerce (Arts & Humanities / Social sciences): **233 427.16 €**

Number of academic staff from STEM areas: **225**

Number of academic staff from Medicine areas: **112**

Number of academic staff from Arts & Humanities / Social sciences areas: **246**

The majority of UAlg's research units focus on subjects with significant industrial applications, and they stand out for using cutting-edge methods to advance science and benefit society.

## COMMUNITY

### CRIA promotes innovation

UAlg, through **CRIA**, supports all the academic community in the scope of entrepreneurship and technology transfer, extending this support to all regional agents, whenever innovation is identified or necessary. Moreover, UAlg has a **catalogue of skills and services** available to the community in this area. CRIA also supports innovative

projects like **Access2Sea** "New opportunities for more competitive and sustainable blue growth in Atlantic Area", and **Prototyping AAA+**, Transnational Cooperation Network for the Improvement of Business Competitiveness in the Agro-Food Sector through Prototyping.

### Working directly with the industry

Our university conducts research and collaborates with businesses on technology or procedures that, for example, help the maritime industry reduce or avoid harm to aquatic ecosystems. To **prevent discards** in deep crustacean fisheries, work has been done in collaboration with industry and fishery communities.

We are also working on research projects **Supporting Innovative Small-Scale Fisheries co-Management** and preserve the biodiversity of the Atlantic.

## GOVERNANCE

UAlg offers to the community a set of services resulting from the knowledge developed at the Academy, the available physical infrastructure and the ongoing research activities. The **UAlg TEC CAMPUS**, accelerator of technological companies, was built in 2021 and opened in 2022 with sixteen companies of different nationalities and over 300 qualified workers.

GOAL

# 10

## REDUCED INEQUALITIES

Reduce inequality within and between countries.



### TEACHING & LEARNING

**2020/21**

**Proportion of first-generation students: 84%**

**Proportion of international students from developing countries: 5%**

**Proportion of students with disabilities: 1%**

**N° of Curricular Units taught registered for SDG 10 and % of total: 492; 19%**

#### Study programs

*Humanitarian Action* is a post-graduate degree that aims to professionally prepare humanitarian agents to support affected populations around the world in a timely, efficient, and effective manner while maximizing the benefits of humanitarian assistance in accordance with international standards and norms.

### RESEARCH

#### Publications 2017–2021

(Data source: Scopus, up to 29 Jun 2022)

Scholarly output (n° paper): **49**

Field-Weighted

(Citation Impact): **0,8**

Citation count: **233**

#### UAlg is committed to contribute to the reduction of inequalities

UAlg is committed to the development of sustainable development contributing to the reduction of inequalities. Ongoing projects in line with this goal are, for example, *DigP-SEM*, to produce recommendations on how Digital





Platforms and Technologies (PTD) can contribute to the educational management of School Groups (AE), with effects on curricular sequentiality and on a collectively participated Educational Project, which embodies principles of an “educating city” (Barcelona Declaration, 1990) and inclusive; *Glass Frontiers*, to identify the elements that lead to both horizontal and vertical segregation in the workplace, as well as the unequal career decisions made by adolescents of both sexes, which have an effect on the economic disparities between men and women; *Equality in Action* to address gender discrimination and inequalities that affect boys and girls, men and women in various areas of life and raise the awareness of teachers and other educational actors in general, to the

importance of including gender issues and problems arising from stereotypes and discrimination in curricula; *Greenland* that sets out a series of incisive training actions for young people who do not work, study or undergo training, and women, within the green and circular economy, with long-lasting, policy-relevant innovations; *Safer* to develop and implement an innovative method of preventing school violence and bullying, with a view to promoting inclusive education; *VIW* to increase knowledge and awareness in students about the theme of female migrations.

## COMMUNITY

### The work of the GAENEE

The *Support Office for Students with Special Educational Needs (GAENEE)*, in articulation with other Services at UAlg and the UAlg V+ volunteering group provides support services for students with impairments, such as personal assistants and (sign language) interpreters. There were various instances when there is an articulation with secondary and professional schools, identifying the students who intend to continue their studies at UAlg and preparing in advance the necessary conditions for their integration. This office cooperates with the *UAlg's*

*Social Welfare Services* and with other partners and the City Council and other entities (public and private) where necessary, to meet the needs of these students.

### SAS assistance

UAlg measures/tracks applications and admissions of the diverse set of candidates, as well as anticipates the provision of the various forms of support, such as for students with disabilities and other students covered by particular statutes that facilitate the attendance of courses by different specific people. Low-income students are assisted by the social welfare services (SAS), that can provide housing, grants, and other forms of assistance. The academic community as a whole has access to the health services.

## GOVERNANCE

Proportion of employees with disabilities: **3%**

The university has anti-discrimination and anti-harassment *policies*, promoting the values of freedom, equality, justice and ethics by integrating everybody into the life of the academic community.

GOAL

11

## SUSTAINABLE CITIES AND COMMUNITIES

Make cities and communities inclusive, safe, resilient and sustainable.



### TEACHING & LEARNING

2020/21

**N° of Curricular Units taught registered for SDG 11 and % of total: 270; 11%**

#### Study programs

Our training offer includes units that seek to consolidate knowledge on how to make cities inclusive, safe, resilient and sustainable. For example: the post-graduate course in *Sustainable Cities* whose objective is to provide a professional specialization that responds to the new challenges of urbanism and sustainability; the

post-graduate degree in *Urbanism* that aims to fulfil the existing educational gap in the region focused on sustainable practices addressing the complex processes of contemporary urbanization; and the *Inclusive and Smart Sustainable Cities Free Course* which seeks to raise awareness of the science of sustainability and its specific link to cities and urban space. Our students are motivated to participate in researchers' projects, either through research grants (for undergraduates) or through, e.g. CinTurs *Research Integration Internships* (for students), contributing to sustainability.





## RESEARCH

### Publications 2017–2021

(Data source: Scopus, up to 29 Jun 2022)

Scholarly output  
(n° paper): **145**  
Field-Weighted  
(Citation Impact): **1.07**  
Citation count: **1448**

### UAIG and the Mediterranean Diet

UAIG is committed to being a key player in promoting the

*Mediterranean Diet* by being a founder of the Network of Higher Education Institutions for the Safeguarding of the Mediterranean Diet (RIESDM) and coordinating the *Action Plan and Safeguarding the Mediterranean Diet for Algarve*. We strengthen our role through a focus on research, innovation and relationships with other regional and national stakeholders.

### Projects for Sustainable Cities and Communities

*Culatra 2030*—Comunidade Energética Sustentável is a pilot project to support the energy transition in Ria Formosa's barrier island of Culatra (Algarve, South of Portugal) covering multiple aspects of the green transition. With the coordination of UAIG, Culatra Island wants to be self-sustainable by 2030 and is one of six European islands that the EU has selected to be a pilot community for renewable energy. On the other hand, the *BIODES* project aims to demonstrate innovative, replicable nature-based solutions in "pioneering" cities that will work as "living laboratories". Once tested, the solutions will be included in planning proposals for other cities.

## COMMUNITY

UAIG frequently takes part in cooperative projects with the local community. UAIG is in the Joint Coordination Commission, with six government ministries, 16 local municipalities, and an environmental

NGO, and plays a significant influence in the Algarve Land Use Plan. UAIG also participates in the *Management Plan of the Algarve's river basin* (2016–21) coordinated by the Portuguese Environmental Agency. The *Algarve Sustainable Tourism Observatory* is another collaboration of the UAIG with local authorities, namely the Algarve Tourism Board and the Commission for Coordination and Development of the Algarve Region (CCDR Algarve). UAIG provides volunteering experiences that seek to make cities fairer and more inclusive. *UAIG V+ volunteering group* participates in local and national volunteer projects in the fight against hunger and food waste.

## GOVERNANCE

The *UAIG Eco Bike programme*, awarded the National "Mobility on Bicycle" Award from the Portuguese Federation of Cycle Tourism and Bicycle Users (FPCUB) continues to support light, sustainable mobility of students. Currently, there are 100 bikes in the programme. In 2019, UAIG successfully applied for the Support Programme for Electrical Mobility in Public Administration (PAMEAP), the *four electric cars* allocated substituted 4 petrol-running cars in use. Students under the age of 23 are entitled to a 25% discount on public transportation with the "U23 pass" (the discount increases to 60% for recipients of social welfare services grants).

GOAL

# 12

## RESPONSIBLE CONSUMPTION AND PRODUCTION

Ensure sustainable consumption and production patterns.



### TEACHING & LEARNING

**2020/21**

**N° of Curricular Units taught registered for SDG 12 and % of total: 294; 12%**

#### Study programs

Our training offer contributes to making our students more conscious citizens of their consumption and contributes to their knowledge of sustainable production methods. The master/2nd cycle degree in *Horticulture* trains specialists in the whole horticultural production and marketing chain, for the improvement of product quality, the increase of economic profitability of crops and the rational and sustainable use of production factors. Additionally, UAlg offers various open courses, in our

commitment to lifelong learning, in areas of sustainable production, namely: *Electrical Installations*, *Solar Thermal Installations* and *Solar Photovoltaic Installations*.

### RESEARCH

#### Publications 2017–2021

(Data source: Scopus, up to 29 Jun 2022)

Scholarly output (n° paper): **171**  
Field-Weighted (Citation Impact): **1.34**  
Citation count: **2006**





Our research centers conducted studies to reduce the global impact of pollution on land ecosystems. Projects such as: **PROBIOMA2019**, to survey underground environments for bioactive compounds with potential use in medicine, agriculture and the environment; **METALCHEMBIO**, to test an innovative combination of chemical and biological strategies for the recovery of metals from metals bearing wastewaters and leachates; and **GREENTREAT**, a project that uses an integrated, sustainable process for the tertiary treatment of urban wastewater using microalgae in the Algarve region.

## COMMUNITY

We are deeply committed to reducing society's use of plastic. UAIG signed

the *Plastic Portuguese Pact* in 2021, in which several companies are involved in changing practices and collaborating with academia to protect the planet from plastic pollution. Eco-Campus UAIG is part of the international program of the "Foundation for Environmental Education", in the scope of Environmental Education for Sustainability at UAIG, with the objectives: promote environmental sustainability at UAIG; Construction of an action plan for the various work themes that may be proposed in the Eco-Campus program (waste, water, forest, energy); Dissemination of the program at the University and in the local community, ensuring also sustainable consumption and production patterns.

UAIG meets all requirements in the procurement of services and goods and is governed by a policy of transparency, efficiency and effectiveness and is oriented towards sustainability aspects. UAIG have a specific action plan to reduce plastic waste in the *campi*. Most of the UAIG waste is recycled and we have collection points inside buildings, serving offices and cafeterias, and outside for larger portions and packs. We are committed to quantify the total food waste regularly. The amount of hazardous waste such as chemicals, hospital waste and others are quantified yearly and UAIG has a contract to conveniently treat this waste.

## GOVERNANCE

### 2021

Amount of waste generated:  
**139 Tonnes**

Amount of waste recycled:  
**92 Tonnes** (66% of total waste)

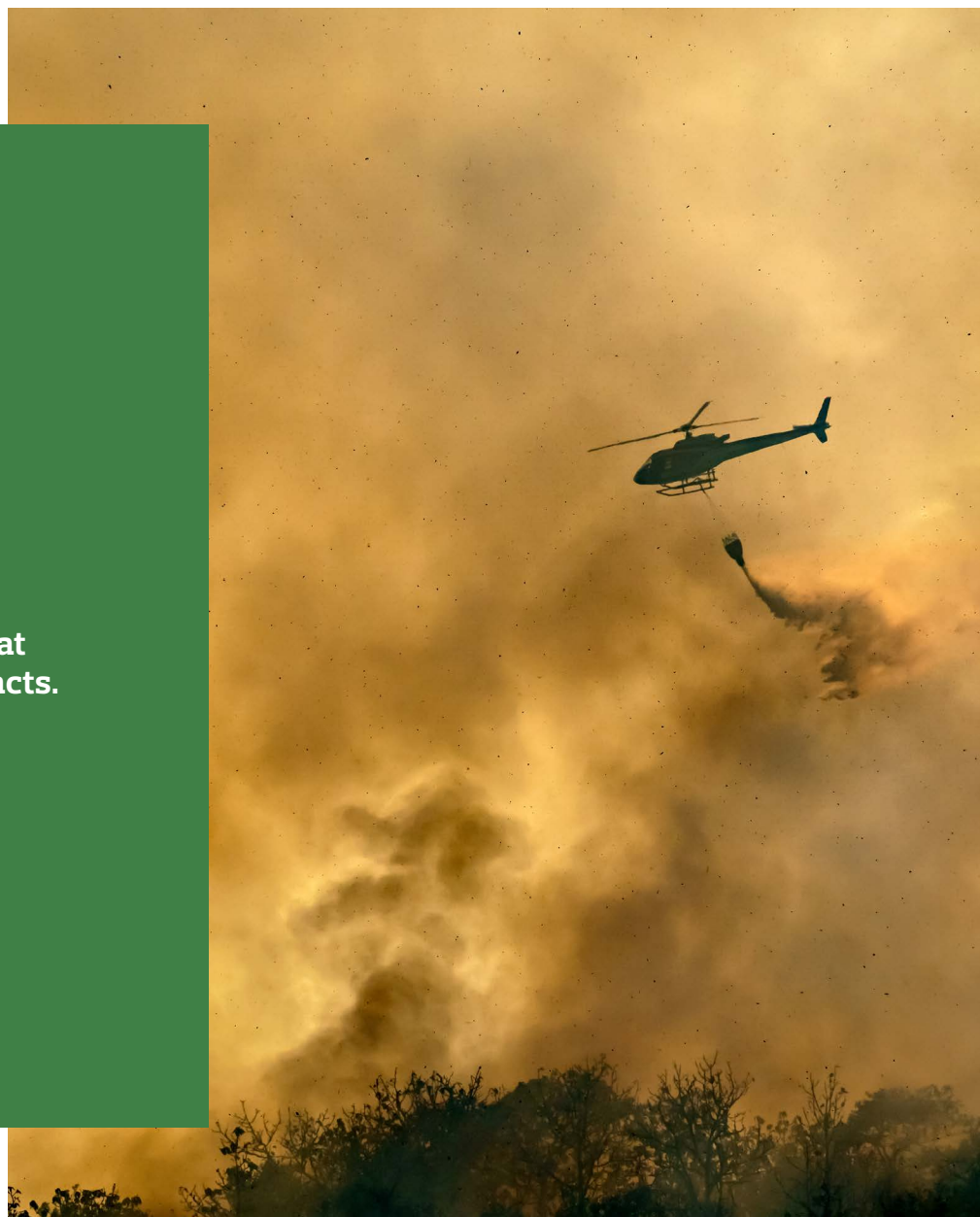
Amount of waste sent to landfill:  
**47 Tonnes**

GOAL

# 13

## CLIMATE ACTION

Take urgent action to combat climate change and its impacts.



### TEACHING & LEARNING

2020/21

**No. of Curricular Units taught registered for SDG 13 and % of total: 249; 10%**

#### Study programmes

UAlg develops several educational and research projects with modules of programmes to raise awareness of the local population to the risk of climate change, as well impacts, mitigation and adaptation. From the options available to students, we highlight the master degree in *Coastal Hazards - Risks, Climate Change Impacts and Adaptation* and the post-graduate course in *Adaptation to Climate Change and Mitigation*.

UAlg is actively involved in practical activities with stakeholders to increase

awareness and *education on the sustainable use of water resources*, as well as to provide tools and methods to coastal managers, policymakers, and the local population to increase the resilience of EU coastal zones (*RISC-KIT*).

### RESEARCH

#### Publications 2017–2021

(Data source: Scopus, up to 29 Jun 2022)

Scholarly output  
(n° paper): **171**  
Field-Weighted  
(Citation Impact): **1.8**  
Citation count: **2884**





Our researchers are deeply involved in investigating potential solutions to combat the climate crisis. There is a wide range of projects and publications in this dimension. In our repository Sapiencia you can find more than **3000 items of research** (papers, thesis and dissertations) on climate change.

### Climate Change and Biodiversity

Because the Algarve is a coastal region, UAlg places a strong emphasis on the long-term viability of maritime ecosystems. *MASS - Microplastics In The Aquatic Environment: Sources And Sinks* is a project that aims to track potential sources of microplastics in the coastal environment and find "environmentally friendly" solutions to the problem of plastic pollution. *FutureMARES - Climate Change and Future Marine Ecosystem*

*Services and Biodiversity* is a research project funded by the European Union that looks at the links between climate change, marine biodiversity, and ecosystem services. Moreover multiple other project on this thematic have been developed in CCMAR/CIMA research centres in 2021.

Climate change is a transversal and multisectoral problem and solving it implies understanding it in a multidisciplinary way. UAlg has a pole of a research centre exclusively dedicated to this theme: *CENSE - Centre for Research on the Environment and Sustainability*.

## COMMUNITY

### Volunteering

UAlg V+ Volunteer group has been involved in several climate actions in the community. We support the *transfer of exotic turtles to combat the destabilization* of the functioning of the aquatic ecosystem of the Jardim das Comunidades in Almancil. We also manage volunteers for *Operation Green Mountain*, a collaboration with several entities, including Zoomarine, a zoological and aquatic park internationally recognized for its work in raising awareness of ocean protection, which resulted in the planting of 3,500 trees this year.

UAlg participated in the development of the *Inter-Municipal Plan for Adaptation to Climate Change of Algarve*, in partnership with other universities and the municipalities of Algarve (*AMAL*). In addition to the work in close cooperation with government bodies such as Intergovernmental Panel on Climate Changes and the Portuguese Agency for the Environment and with

several NGOs, UAlg promotes also the active participation of the community linked to the Ria Formosa, visitors and tourists, using Science Tourism or Citizen Science to create knowledge, trough the *LOV-Ria* project with the aims to study the spatial and temporal changes of the Ria Formosa at the level of its geomorphology, vegetation cover and pollution by macro-plastics.

## GOVERNANCE

Total energy used:  
**23544 GJ**

Total energy used from  
low-carbon sources:  
**14597 GJ (62%)**

### Commitment to carbon neutral university – until 2035

In the *Strategic Plan* (2017-2021) UAlg assumes its commitment to becoming carbon neutral and is upgrading the existing buildings to higher energy efficiency *through a set of projects under development*: implementation of photovoltaic power plants, replacing fluorescent light fixtures by LEDs and reducing water consumption.

UAlg identified the daily commute of staff and students as one of the main sources of greenhouse gases. The response that seemed more needed was the shift in commuting habits.

A bike-sharing system is already in place, the *UAlg Eco Bike programme*, but the demand has far superseded the capacity, indicating the shift in the mobility profile.

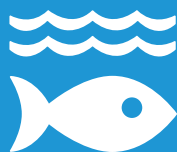
*AMAL* and UAlg are strategic partners in the climate changes agendas.

GOAL

# 14

## LIFE BELOW WATER

Conserve and sustainably use the oceans, seas and marine resources for sustainable development.



### TEACHING & LEARNING

2020/21

**No. of Curricular Units taught registered for SDG 14 and % of total: 191; 7%**

#### Study programmes

The university offers bachelor /1st cycle, master /2nd cycle, post-graduation and PhD degrees addressing this SDG.

At *bachelor/1st cycle level*, the offer includes, Biology; Marine Biology; and Marine and Coastal Sciences.

At *master/2nd cycle level*, degrees in Applied Ecohydrology (Erasmus Mundus); Aquaculture and Fisheries; Coastal Hazards – Risks, Climate Change Impacts and Adaptation; Marine and Coastal Systems; Marine Biodiversity, Fisheries and Conservation; Marine Biological Resources (Erasmus Mundus); Marine Biology; Ecohydrology (Erasmus Mundus); Water and Coastal

Management (Erasmus Mundus). At *PhD level*, programmes include eg, Marine, Earth and Environmental Sciences.

There are also *seminars and activities* within the framework of UAlg Team that are routinely carried out outside the university, directed at students in basic and secondary schools.

### RESEARCH

#### Publications 2017–2021

(Data source: Scopus, up to 29 Jun 2022)

Scholarly output

(n° paper): **612**

Field-Weighted

(Citation Impact): **1.41**

Citation count: **7120**





### Marine conservation and monitoring

UAlg supports actions to promote the conservation of threatened marine species, such as sharks, and UAlg organizes open to the public national and international scientific meetings on the conservation of below water biodiversity and sustainable water management and utilization of the oceans, seas, lakes, rivers, and marine resources. The project *Atlazul* is leading of an Atlantic littoral alliance for blue growth. The *CCMAR-Ramalhete* marine station, which offers wet lab facilities with tanks of various sizes and controlled environment enabling the carrying out of a variety of experiments by the community, and *CIMA* conducts a number of research projects to reduce water pollution and discharges in order to protect aquatic ecosystems, wildlife, and human health. Project such as *PLASTICSEA* to Assess microplastics (MPs) in the Portuguese

coastal area (water, sediment and biota), in sea salt production and aquaculture facilities of Portugal, and study the Impact of MPs in humans, and disseminate the results to raising awareness, understanding and acting on the issue of plastic pollution

The University is in charge of monitoring aquatic ecosystems in the context of research projects. Researchers are developing *effective measures of aquatic ecosystem health*, ranging from omics to individual, population, and community indicators in long time series database.

## COMMUNITY

### Diving with society

Outreach programs and actions include directed at SDG 14 include, for example, the *Hippocampus programme*, includes research projects and the itinerary for Sea Horse conservation aiming to reinvented ways to meet and share science and knowledge with citizens. The *NEMA* citizen campaign with several actions in 2021, *such as monitoring of stinging fire worms in beaches*. UAlg works directly through research and engagement with local and international authorities to protect aquatic ecosystems, such as *Marine Protected area Pedra do Valado AMPIC*, or around the world to protect *aquatic biodiversity*, or to characterize the local ecological requirements and conservation threats of the *target species and habitat types*, to implement effective conservation actions in coastal areas.

UAlg research centres *CIMA* and *CCMAR* address issues of coastal contamination from land-based activities and developed global campaign for Portuguese Speaking countries to reduce contamination by detritus. Several *open seminars* addressed these issues made available to all , eg. in Angola, Mozambique, São Tomé e Príncipe Universities. UAlg is also a founder partner of the Environmental programme of *Volunteers for water* in Algarve, together with the national Environmental Agency. UAlg is also a partner of the *Eurocity GUADIANA*,

contributing to the management of those regions that share an international river, the Guadiana.

The program "*Algae on Beach*" results of the monitoring carried out in the summer of 2021 by citizen during which 96 records were submitted to the platform, allowed the identification of three distinct areas of algae accumulation on the southern coast of the Algarve: one dominated by invasive species originating from the seas of Korea/Japan; another dominated the red algae an invasive species originating from Australia; and between where proliferated a native species the green algae. Along with the data obtained that allow us to identify the key environmental conditions for the proliferation of algae, we define strategies to remove and use this biomass in biotechnological applications.

## GOVERNANCE

### Less plastic, better environment

We are committed to *change behaviours* and reduce impacts of plastic on ecosystems. UAlg has a specific action plan to reduce plastic waste in the campuses. In 2018, we launched the *UAlg+healthy-plastic* and carried out several actions to reduce de use of plastic and recycling. In 2020, UAlg signed the *Portuguese Plastic Pact* where several also companies are involved to change practices and contribute with academia to protect planet from plastics pollution. In 2021 UAlg supported through projects (*Hipposave* and *Alimar*) the construction of a Giant Plastic Sea Horse 12 m, by the well know artist *Bordalo II*, with pieces of arts in all continents, all made with Trash (*Big Trash Animals Collection*). The plastic trash was collected by volunteers in the UAlg nearshore area (*Ria Formosa*) to show how to reduce the threat to marine live, using this iconic species. Those actions were presented in *media in different periods* to increase the impact and use in citizen science and following the new Bauhaus program with art of emblematic species such as seahorse threaten by this type of plastic pollution.

GOAL

# 15

## LIFE ON LAND

Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, halt and reverse land degradation, and halt biodiversity loss.



### TEACHING & LEARNING

2020/21

**No of Curricular Units taught registered for SDG 15 and % of total: 159; 6%**

#### Study programmes

Our university offers several educational programmes on terrestrial ecosystems, targeting native flora and fauna, namely the bachelor's in environmental sciences and *Agronomy; Landscape Architecture and Biology*. At master/2nd cycle level the offer includes *Horticulture, Landscape Architecture, Applied Ecohydrology, Sustainable Management of Rural Areas, and Urban Water Cycle*. PhD degrees include *Agricultural and Environmental Science* and *Marine, Earth and Environmental Sciences*. UAI organizes also short-term

educational programmes open do the community, such as the thematic nature walks to raise awareness for preserving nature, regarding wild flora in Algarve and the ecosystem services.

### RESEARCH

#### Publications 2017–2021

(Data source: Scopus, up to 29 Jun 2022)

Scholarly output (n° paper): **182**  
Field-Weighted (Citation Impact): **1.29**  
Citation count: **2084**





UAlg is committed to the preservation of life on land via several projects: collaboratively addressing the *decline of the cork oak savanna-like ecosystem* in Portugal and Spain caused by pathogens and interactions with climate changes and reducing water availability (drought) and to help maintain this forest sustainability and to adopt good management practices *ReFloresT*, this project addressed the solution of treating agroforest waste as a resource has many attractive advantages such as cutting global pollution, staving off resource crises, lowering manufacturing costs while creating whole new “green” businesses opportunities.

## COMMUNITY

We have several projects in related issues, such as protecting wildlife in wild land, mitigating anthropogenic action in forests, such as fires, through participation and promotion in re-forestation of areas in Algarve through *volunteering*, or capacity building in wild land protection, including dunes. We support the preservation of ecosystems and biodiversity, particularly those under threat, such as the Ria Formosa's barrier islands threatened by rising sea levels. Through the eco-campus group several volunteer actions by academic staff, students and in cooperation with local companies have been developed to increase native species in the surrounding areas of the buildings, and also eradication of invasive species, such as *Cortadeira* to give space to nature of the area. UAlg also started in 2021 the *Botanical Garden project* with the support of Zoomarine. UAlg participates in several *Competency Centers* coordinated by the Ministry of Agriculture, Forestry, and Rural Development. These centers aim to promote research and development (R&D U) and technology

transfer on conservation and sustainable land use, including forests and wild land.

## GOVERNANCE

UAlg ensures the conservation, restoration and sustainable use of terrestrial ecosystems. The university organizes educational and volunteering programs open to the community, such as thematic nature walks with specialists who raise awareness of the importance of preserving nature; the preservation of *autochthonous species* through the plantation of hundreds of new plants in the *campuses*; the identification and elimination of invasive species; and identifying the species and their climate vulnerability in botanical plates. The university complies with national regulations regarding the discharge of its effluents. Wastewater is discharged in the municipal wastewater drainage system, which converges to water treatment plants. All chemical and biological potential harmful wastes are separated in the UAlg labs before being delivered to a specialized company to be correctly handled.



Photo: removal of invasive plant *Cortadeira selloana* - Pluma

GOAL

# 16

## PEACE, JUSTICE AND STRONG INSTITUTIONS

Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels.



### TEACHING & LEARNING

2020/21

**N° of Curricular Units taught registered for SDG 16 and % of total: 205; 8%**

#### Study programmes

UAlg has a *varied educational offer* that contributes to strong and fair institutions. Examples of these are all the courses (bachelor /1st cycle, master /2nd level and doctoral level) in the areas of management, business management, human resource management, entrepreneurship and innovation, marketing and social, work and organizational psychology.

#### UAlg Promotes Inclusive Education

*A Support Office for Students with Special Educational Needs (GAENEE)*

is available at UAlg. GAENEE was established to welcome and support students with special educational needs. UAlg implemented a set of specific conditions based on the institution's recognition of the right to difference in order to meet the principles of an inclusive school where no one is left behind. We strive to provide all students with an equal, high-quality education that respects their needs and characteristics, easing their transition into active life as members of the society to which they are legally entitled, with the greatest degree of autonomy and independence possible.





## RESEARCH

### Publications 2017–2021

(Data source: Scopus,  
up to 29 Jun 2022)

Scholarly output  
(n° paper): **44**  
Field-Weighted  
(Citation Impact): **1.29**  
Citation count: **539**

UAlg has a policy on supporting academic freedom, founded on principles of democracy and participation, based upon respect for the identity. Encourages the free expression of ideas

and opinions and promotes the freedom of scientific, cultural and technological creation.

We conduct a variety of focused research projects in collaboration with national and regional government agencies, primarily through our research centers. One notable example is the UAlg's contribution to the *Thematic Agenda for Research and Innovation on Tourism*. The National Agency for Assessment and Accreditation of Higher Education commissioned this research. UAlg also plays an important role in the Competencies Centers, which are overseen by the Ministry of Agriculture, Forestry, and Rural Development.

## COMMUNITY

*UAlg V+ Volunteering Group* was founded to promote social justice and peace. This group establishes partnerships with organizations and services to carry out volunteering initiatives in the social, educational, scientific, sporting, cultural, environmental and leisure contexts. Furthermore, it encourages specific cooperation activities with groups, associations, and local entities in order

to provide positive and stimulating experiences, especially to vulnerable groups.

Both the Strategic Plan and our *Quality Manual* emphasize the importance of external stakeholders to the University's mission. The vision of UAlg is to promote sustainability through innovation and inclusion, in education and research, in close proximity to the community.

## GOVERNANCE

UAlg has a set of bodies that guarantee the efficiency and transparency of the institution: the *General Council*, the *Students' Union* and the *Academic Senate*. These bodies have important roles in the institutional development and monitoring of the activities.

We also have a *Risk Management Plan for Corruption and Related Offences*. In the preparation of this plan and in the identification of prevention measures, UAlg's Services most susceptible to the risks of committing related offences have been involved, namely the Human Resources, Financial and Asset Services, Technical Services, Academic Services and Property Support Office Intellectual.

GOAL

17

## PARTNERSHIPS FOR THE GOALS

Strengthen the means of implementation and revitalise the global partnership for sustainable development.



### TEACHING & LEARNING

The *educational offer at UAIG* is diverse, ranging from short-term open courses and lifelong training initiatives, to university degrees, which have become increasingly conscious of the need to accommodate pedagogical innovation and improve the quality and inclusiveness of teaching and learning processes and, more importantly, of their contribution to address the SDGs, thus affirming the University of Algarve as an institution committed to social responsibility and contributing to sustainable development.

### RESEARCH

The UAIG Achievements in the previous SDGs were supported by an extensive

and diversified *global partnership* network across all continents. On 2021, UAIG published at least one paper with researchers within institutions from 106 nationalities, and with researchers affiliated within 15 countries, each with more than 30 co-authors papers, including Europe, America, Asia and Africa. The Agricultural and Biological Sciences (including Biochemistry), Environmental Science, Earth and Planetary Sciences, Social Sciences, Engineering, Medicine, Computer Science, Business & Management, were the main subject areas among those documents (according to the Scopus database of abstracts and citations of peer-reviewed literature).



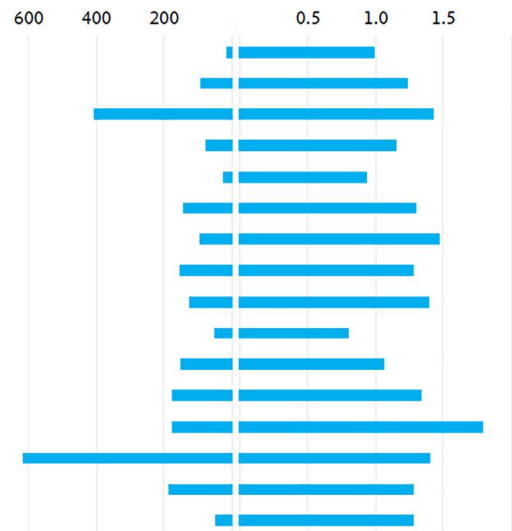


**Publications by SDG**

Entity: University of Algarve . Year range: 2017 to 2021 . Data source: Scopus, up to 29 jun 2022

- SDG 1: No Poverty
- SDG 2: Zero Hunger
- SDG 3: Good Health and Well-be
- SDG 4: Quality Education
- SDG 5: Gender Equality
- SDG 6: Clean Water and Sanitatic
- SDG 7: Affordable and Clean Ene
- SDG 8: Decent Work and Econon
- SDG 9: Industry, Innovation and
- SDG 10: Reduced Inequality
- SDG 11: Sustainable Cities and C
- SDG 12: Responsible Consumptic
- SDG 13: Climate Action
- SDG 14: Life Below Water
- SDG 15: Life on Land
- SDG 16: Peace, Justice and Stron

Scholarly Output Field-Weighted Citation Impact



**2021 – global research UAlg  
Scopus 1 November 2022**

{{(AF-ID ("Universidade do Algarve" 60002144) OR AF-ID ("Centro de Investigacao Marinha e Ambiental" 60013052))}}

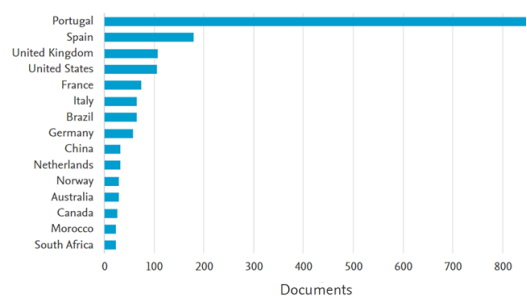
868 document results

Select year range to analyze: 2021 to 2021

Country/Territory ↑	Documents ↓
Portugal	866
Spain	178
United Kingdom	106
United States	105
France	74
Italy	65
Brazil	64
Germany	57

Documents by country or territory

Compare the document counts for up to 15 countries/territories.



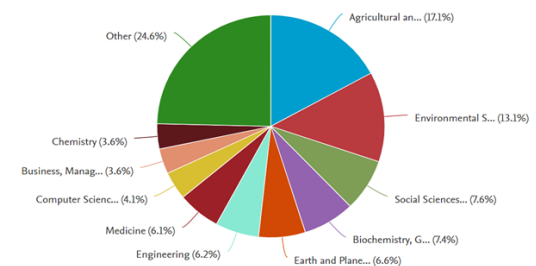
{{(AF-ID ("Universidade do Algarve" 60002144) OR AF-ID ("Centro de Investigacao Marinha e Ambiental" 60013052))}} AND {{(AF-ID ("Universidade do Algarve" 60002144) OR AF-ID ("Centro de Investigacao Marinha e Ambiental" 60013052))}} AND (LIMIT-TO ( PUBYEAR , 2021))

868 document results

Select year range to analyze: 2021 to 2021 Analyze

Subject area ↓	Documents ↓
Agricultural and Biological Sciences	281
Environmental Science	215
Social Sciences	125
Biochemistry, Genetics and Molecular Biology	121
Earth and Planetary Sciences	109
Engineering	102
Medicine	100
Computer Science	67

Documents by subject area



Scopus does not map research keywords against SDG 17. These figures are the total for SDGs 1–16 and show the extent of UAlg research partnerships across all goals.

**Some emblematic projects with strong partnerships**

UAlg has collaborated with other countries, particularly developing countries, in areas such as health and food availability, water quality and subsistence fisheries, and sustainable development, for example: project *Bons Sinais* Estuary Zambesia seeks integrative approaches to enhance the quality of live in fishing communities of the estuary in Mozambique; project *VIW* increases knowledge and awareness in students toward the theme of female migrations;

## GOAL

## 17

project *Luandawaterfront* to develop a biodiversity database and a deeper understanding of the determinants underlying poor water quality and impacts in quality of life in the Luanda Bay, Angola; project *FarFish* to collect information, tools and methods to support responsible, sustainable and profitable EU fisheries outside European waters, compatible with maximum sustainable yield; project *eGroundwater* to develop participatory sustainable groundwater management in the Mediterranean region (Portugal, Spain, France, Morocco and Argelia) through the design, testing and assessment of enhanced information systems (EIS); project *iHeritage* to address socio-economic challenges at cross-border level (Italy, Egypt, Spain, Jordan, Lebanon, Portugal) through the active involvement of young people, women and NEETs who will take part in the Living Labs, training courses, and the creation of spin-offs, thus contributing to increase employment opportunities and foster innovation; project *Mass* is a project monitors probable sources of microplastics to the coastal environment and find "environmentally friendly" solutions to the problem of plastic pollution; and project *FutureMares* studies the relations between climate change, marine biodiversity and ecosystem services.

UAlg is committed to being a key player in promoting the *Mediterranean Diet* by being a founder of the Higher Education Network for the Safeguard of Mediterranean Diet and coordinating the *Action Plan and Safeguarding the Mediterranean Diet for Algarve*. UAlg as a whole signed an Alliance "Sustainable Horizons" in 2021 and an Horizon Europe Project that was funded by European Commission. UAlg the

coordinator will be measure data on SDG with more 5 HEI from Europe and bridging with associated partners in Africa, South America. Moreover UAlg By its research centres, the University collaborate internationally on gathering and measuring data for the SDGs above in research the thematic lines. Eg research areas of *CinTurs R&D* centre.

## GOVERNANCE

UAlg has established as one of its strategic priorities to make partnerships to achieve the 17 Sustainable Development Goals. In order to achieve this priority, UAlg supports and encourages its staff and organizational units to implement:

- Outreach and social engagements activities developed by its *Research Centres*;
- Collaborations with *NGOs*
- Consultancy for *regional*, national, and international stakeholders
- *Volunteering* actions with local institutions
- Gathering several institutional certifications related to the SDG, such as the FISU "*HEALTHY CAMPUS*"

The outputs of these partnerships are published periodically in open access *reports*.

*Formal partnerships with industry* were also created in 2021, with UAlg participation in more two Collaborative laboratory with several companies, researcher centres, and state laboratories and other HEI's in Aquaculture and Tourism (*S2AQUA* and KIPT)

## COMMUNITY

UAlg is a member or is represented in a number of organisations and institutions that have direct involvement or input into SGD policy development at the national and regional levels, such as:

- *National Sustainable Campi association*,
- in the safeguard of *Mediterranean diet*, integrated in the Safeguard Plan presented and approved by UNESCO, this initiative aims to preserve the Mediterranean Diet as Intangible Cultural Heritage of Humanity.

UAlg has several collaborations with NGOs, with direct contributions to SDG policy development with the community, such as:

- *European Language Council* in promoting a European co-operation between institutions of higher education in the area of languages.
- Participation with *High Commission for Migration (ACM)* in intervention and intercultural mediation through the Intercultural Mediation in Public Services' Project (MISP), with the goal of contributing to social cohesion and improved life quality in municipal areas with significant cultural diversity.
- *SCIAENA*, an NGO with which UAlg is institutionally related through our reserachers and satff, to promote the improvement of the marine environment by encouraging the sustainability of fisheries and other forms of use and minimizing the impacts of pollution though knowledge, education, communication and political intervention.





## **ABBREVIATIONS**

AMAL – Algarve Municipalities Association

AULP – Association of Universities of Portuguese Speaking Countries

CCMAR – Centre of Marine Sciences

CIMA – Centre of Marine and Environmental Sciences

CINTURS – Centre for Research in Tourism, Sustainability and Well Being

EU – European Union

HEI – Higher Educations Institutions

UN –United Nations

R&D U – Research and Development Units

DG – Sustainable development Goals

UAlg – University of Algarve

NGO – Non-governmental organization



