utad

SUSTAINABLE DEVELOPMENT GOALS

Follow-up Report

UNIVERSIDADE DE TÁS-OS-MONTES E ALTO DOURO

.: 2021 :.

utad

Content

utad

INTRODUCTION

The Activity Plan for 2021 identifies 52 activities aligned with the Strategic Axes and Objectives of the Strategic Plan 2017-2021.

These activities were aligned with the Sustainable Development Goals (SDGs) recommended by the 2030 Agenda for Sustainable Development, which defines the priorities and aspirations of global sustainable development for 2030 and seeks to mobilize global efforts around a set of common goals and targets. There are 17 SDGs that represent an urgent call to action from all countries - developed and developing - for a global partnership.
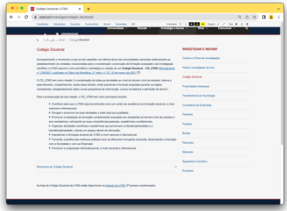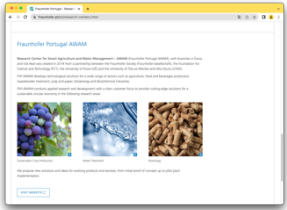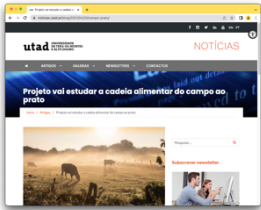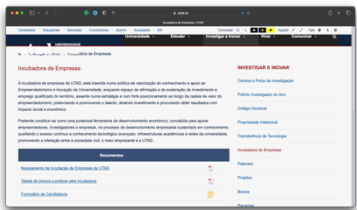
2021 was a year of many setbacks, and above all due to the restrictions caused by Pandemic COVID19, which forced the cancellation of many activities, confinement of people, limited access, among others, which severely limited the realization of certain types of actions. However, it was possible to develop other activities (not dependent on the Strategic Planning) and R&D projects with the proper alignment to the SDGs.
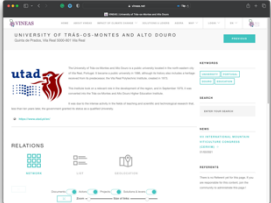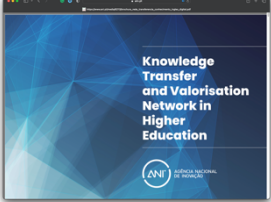
ACTIVITIES FORESEEN IN THE ACTIVITY PLAN
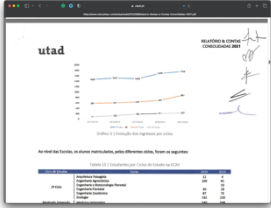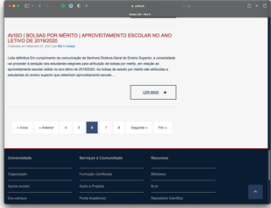
Of the 52 activities planned for 2021, 34 (65%) directly contribute to the promotion of the Sustainable Development Goals.

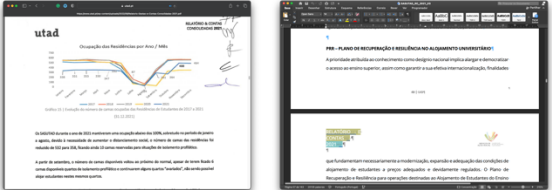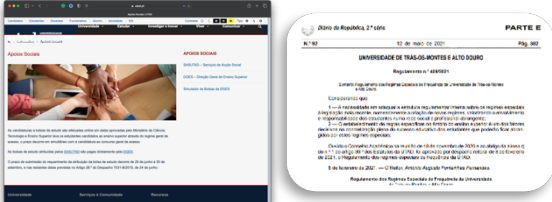This report aims above all to assess the degree of compliance of activities and their commitment to the SDGs in question, making the analysis by Strategic Axis:

utad

Research and Knowledge Valorization:

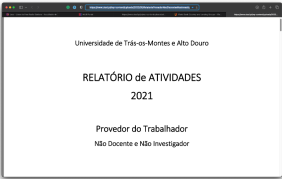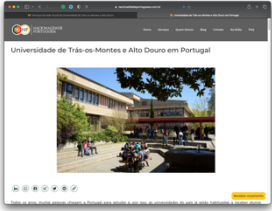| Planned Activities	Evidence
Continue to boost the Doctoral College as a transversal unit of 3rd cycle teaching and advanced training, in articulation with the Schools and Research Units, with a view to gradually reformulating the supply of doctoral courses at UTAD. [OE 1, OE 10]	https://www.utad.pt/investigar/colegio-doutoral/
To support the installation of the Fraunhoffer Institute's delegation in precision agriculture and the UTAD FOOD ALLIANZ, the Portuguese hub of the international Management Food Alliance network. [OE 2, OE 7]	https://www.fraunhofer.pt/en/research-centers.html https://noticias.utad.pt/blog/2021/04/20/campo-prato/
To support the installation of technology-based companies on campus and in the city, as part of a strategy to create spin offs on campus and qualified employment in the region. [OE 7]	https://www.utad.pt/investigar/incubadora-de-empresas/ https://www.diariodetrasosmontes.com/noticia/ibm-instala-centro-de-inovacao-em-vila-real-e-podera-criar-300-postos-de-trabalho

utad

Planned Activities	Evidence
17 PARTNERSHIPS FOR THE GOALS Reinforcement of cooperation programs with companies, such as IC&DT projects funded by North 2020, mobilizing, demonstrative and co-promoting programs, as well as cross-border cooperation projects and with municipalities. [OE 2, OE 8, OE 17]	https://www.rtp.pt/noticias/economia/primeiro-ministro-anuncia-parceria-entre-utad-e-continental-para-fabrica-do-futuro_n1310450 https://www.utad.pt/gpfe/category/projetos/
10 REDUCED INEQUALITIES Monitor indicators that assess the impact of R&D and knowledge valorization in the region and in the country. [OE 2, OE 8, OE 9]	*Not Performed*
17 PARTNERSHIPS FOR THE GOALS Participate in networking and interaction activities with international technology transfer organizations. [OE 2, OE 8, OE 9]	https://www.vineas.net/en/7_108/601839f01a4ac705e740d26a/University%20of%20Tr%C3%A1s-os-Montes%20and%20Alto%20Douro.html https://www.ani.pt/media/6213/brochura_rede_transferencia_conhecimento_ingles_digital.pdf

utad

Teaching, Social Action and Culture

Planned Activities	Evidence
To increase the number of students in initial and advanced training study cycles, enhancing the widening of the social recruitment base and the reduction of failure and dropout rates. [OE 1]	https://www.utad.pt/wp-content/uploads/2022/08/Relatorio-Gestao-e-Contas-Consolidadas-2021.pdf
To foster meritocracy by stimulating the attribution of scholarships for students, master's and doctorate works under partnerships with companies and by resorting to patronage, or by creating other instruments of merit recognition. [OE 4]	https://www.utad.pt/investigar/mecenas/ https://www.utad.pt/sa/aviso-bolsas-por-merito-aproveitamento-escolar-no-ano-letivo-de-2019-2020/
Promote interdisciplinary initiatives in the "Open Classroom" format, promoting the coming of specialists from different scientific areas. [OE 3, OE 7]	https://www.utad.pt/gesqua/wp-content/uploads/sites/9/2021/07/Formacao-Pedagogica-Docente-2020-e-2021.pdf
To reflect on the recommendations and activity reports of the Student Ombudsman and implement changes in conjunction with the Schools. [OE 14]	https://www.utad.pt/wp-content/uploads/2022/08/Relatorio-Gestao-e-Contas-Consolidadas-2021.pdf

Planned Activities	Evidence
Promote scientific culture involving the Centers and the Doctoral College, aiming at retaining students in the more advanced cycles. [OE 1, OE 9, OE 10]	https://www.utad.pt/investigar/colegio-doutoral/
Strengthen student housing capacity by developing a project in the CIFOP space, as well as by optimizing other existing spaces. [OE 6, OE 16]	https://www.utad.pt/wp-content/uploads/2022/08/Relatorio-Gestao-e-Contas-Consolidadas-2021.pdf
To qualify the social support infrastructures, based on the organizational culture of promoting comfort, functionality and sense of community. [OE 6, OE 16]	https://noticias.utad.pt/blog/2021/07/28/recuperacao-resiliencia/
Consolidate forms of support for students, especially for students with special needs, in articulation with the Schools. [OE 6]	https://www.utad.pt/candidatos/apoios/ Regulamento Regimes Especiais
To promote measures that increase student proximity in decision making and in the choice of solutions to problems and to improve their quality of life at the University, as well as to increase their knowledge and skills. [SO 14]	https://noticias.utad.pt/blog/2021/10/20/facilitado-consultas/

utad

Quality and Communication

Planned Activities	Evidence
![SDG 2 Zero Hunger] Obtain the quality seal by ISO 22000 - Food Safety Management System and EFQM Excellence Model in Social Services. [OE 4]	*Not reached*
![SDG 4 Quality Education] Strengthen the visibility of Science and Technology, including Summer University, Science & Technology Week, Junior University and Science and Society Week. [SO 1]	https://eventos.utad.pt/cienciatecnologia/ https://www.cienciaviva.pt/ciencia-viva-no-laboratorio/estagios/2021/?accao=showactivities&id_institution=50 https://divulgacao.aeccb.pt/arquivo/1359

utad

Planned Activities	Evidence
Promote reflection on the recommendations and activity report of the Non-Teaching and Non-Research Worker Ombudsman. [OE 14]	https://www.utad.pt/wp-content/uploads/2022/08/Relatorio-Gestao-e-Contas-Consolidadas-2021.pdf https://www.utad.pt/wp-content/uploads/2022/05/RelatorioProvedorNaoDocenteeNaoInvestigador2021.pdf
Promote communication and institutional marketing actions, focusing on the environmental sustainability agenda, reinforcing UTAD's commitment to the Objectives for Sustainable Development, and participate in sustainability rankings. [OE 4, OE 5]	https://noticias.utad.pt/blog/2022/05/04/utad-100/ https://noticias.utad.pt/blog/2021/02/11/projeto-premiado/?print=print https://www.nacionalidadeportuguesa.com.br/universidade-de-tras-os-montes-e-alto-douro/

utad

Organization and Resources

Planned Activities	Evidence
![SDG 3] To follow the evolution of the current pandemic scenario, applying and monitoring CoVID-19 prevention measures in an integrated way throughout the University - Schools, services, Specialized structures and Social Services. [OE 15]	https://www.utad.pt/covid-19/
![SDG 5] To conclude the plan to renew and valorize the teaching and technical-administrative staff, within a national and international reference framework. [OE 15]	https://www.utad.pt/wp-content/uploads/2022/07/plano-igualdade-genero-2021-25.pdf
![SDG 4] Continue the Pedagogical Training Plan for the teaching staff and provide training on safe behavior in the classroom with a view to preventing risk. [OE 15]	https://www.utad.pt/gesqua/wp-content/uploads/sites/9/2021/07/Formacao-Pedagogica-Docente-2020-e-2021.pdf
![SDG 3] Strengthen the occupational health and safety policy, ensuring conditions for the use of facilities and the monitoring of human resources. [SO 15, SO 16].	https://www.utad.pt/covid-19/apoio-psicologico-sos-covid-19/ Marcação de Consulta - Serviços de Ação Social da Universidade de Trás-os-Montes e Alto Douro

utad

Planned Activities	Evidence
17 PARTNERSHIPS FOR THE GOALS Implement an information aggregator system (BI@UTAD), using artificial intelligence algorithms, with the objective of collecting data and information from the various information subsystems. [OE 13, OE 16]	https://www.utad.pt/gpfe/biutad-business-intelligence-at-utad/
8 DECENT WORK AND ECONOMIC GROWTH Maintain the policy of reducing operating expenses, privileging dynamics of environmental sustainability. [OE 17]	https://www.utad.pt/wp-content/uploads/2022/08/Relatorio-Gestao-e-Contas-Consolidadas-2021.pdf
7 AFFORDABLE AND CLEAN ENERGY / 12 RESPONSIBLE CONSUMPTION AND PRODUCTION Maintain the certification of the campus by the NP EN ISO 14001 and 50001 standards and promote the training and dissemination of good environmental sustainability practices. [OE 4, OE 5]	https://www.utad.pt/wp-content/uploads/2020/06/cerificacao-energetica-UTAD-GE-0015.pdf https://www.utad.pt/wp-content/uploads/2020/06/certificacao-ambiental-UTAD-A-0747.pdf
6 CLEAN WATER AND SANITATION To build the Wastewater Treatment Plant (WWTP) for the treatment of effluents from agricultural facilities, and to promote studies leading to the production of biogas and continuous monitoring of the WWTP operation, aiming at improving the efficiency of the effluent treatment process. [SO 5, SO 16].	https://www.utad.pt/wp-content/uploads/2020/06/certificacao-ambiental-UTAD-A-0747.pdf

utad

Planned Activities	Evidence
[SDG 13] Continue the construction of an Ecovia, framed in the campus mobility plan in articulation with the Development Plan. [SO 5, SO 16].	https://noticiasdevilareal.com/utad-ministro-inaugurou-nova-ciclovia-e-apresentou-centro-de-competencia-de-computacao-avancada/
[SDG 9] Enable the R&D infrastructures, under the national infrastructures roadmap, and requalify the buildings in the historical zone of the campus with funds from Turismo de Portugal. [OE 6, OE 16, OE 17]	https://www.utad.pt/ods/wp-content/uploads/sites/44/2020/12/Roteiros_Ecocampus.pdf

Internationalization

Planned Activities	Evidence
[SDG 17] Participate in initiatives within the CURE Alliance, a university consortium that promotes smart, sustainable and inclusive territorial cohesion in its regions of influence through education, research and innovation. [OE 8, OE 9, OE12]	https://noticias.utad.pt/blog/2020/02/20/utad-integra-consorcio-universidades-europeias/ https://www.cure-alliance.eu/
[SDG 4] Collaborate in the implementation of two PhD programs and a master's program in consortium with universities in northern Portugal and Galicia, as part of the POCTEP project "UNISF, Universities without Borders". [OE 1, OE8, OE10]	https://www.universidadesemfronteiras.eu/

utad

[17 PARTNERSHIPS FOR THE GOALS]	Participate in the consortium promoted by the Union of Mediterranean Universities (UNIMED) to implement a cooperation project for innovation and sharing of good practices with Libya, "IBTIKAR, promoting research and innovation environment in the Libyan Higher Education System". [OE 8, OE 12]	https://noticias.utad.pt/blog/2021/04/12/unimed-libias-2/ https://ibtikarproject.eu/partners/
[17 PARTNERSHIPS FOR THE GOALS]	Hold the IV Internationalization Reflection Forum. [OE 8]	
[3 GOOD HEALTH AND WELL-BEING]	Promote information and awareness actions for incoming and outgoing Erasmus students on the application of measures to prevent SARS-CoV-2 infection. [OE 6, OE 8]	https://www.utad.pt/en/covid-19/
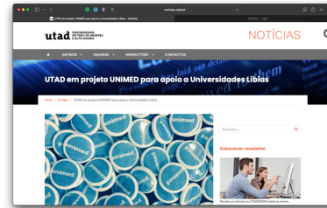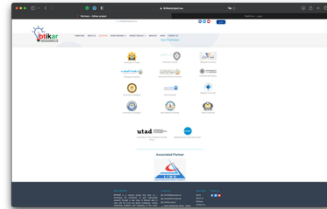
ACTIVITIES NOT FORESEEN IN THE ACTIVITY PLAN

As we mentioned, 2021 was a year of many setbacks, caused by the restrictions caused by the Pandemic, having, however, developed a set of initiatives that in themselves also contribute to the Sustainable Development Goals. This analysis will be done by SDG, identifying the activities that contribute to this goal:

Courses, Activities, Events and Meetings

- Impulso Jovens STEAM - application - promote and support initiatives exclusively oriented to increase the higher education of young people in science, technology, engineering, arts and mathematics

- AL4AnimalsS - Associate Laboratory for Animal and Veterinary Science
- Inov4Agro - Institute for Innovation, Training and Sustainability in Agri-Food Production

- Course: 2nd cycle Community Nursing
- Active Home Work Rent, which consisted in the provision of kits of various sports equipment for rent

- 148 research grants were opened, contracted or renewed.
- 662 housing supplements were attributed
- 7 annual transport benefits were attributed
- 22 mobility supplements were attributed
- 59 emergency aid and other support granted UTAD+CONTIGO: COVID-19
- 532 students were housed
- 89,002 meals were served
- The "Talent Portugal Job Fair" was held, aimed at students, with the participation of more than 60 companies
- The "International Virtual University Job Fair OnEJob2020" was held

- A project was developed to support research in the area of biofuels and related areas with BioAdvance sponsorship
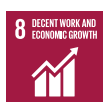
- 2566 scholarships were awarded (totaling 4,125,003.57 euros)

![utad]

- Course: Master in City Challenges
- A system to improve energy monitoring systems was implemented in some of its buildings

- Licentiate Degree in Forest Engineering and Biotechnology
- Course: Doctorate in Sustainable Development of Forestry
- Course: Management of Rural Fires

- Course: PhD in Development, Societies and Territories
- 101 students were mobilized for the different volunteer actions

Research, Development and Improvement Projects

- MitiVineDrought - innovative and easy to implement drought mitigation strategies for grapevines, while reducing water use
- CherryCrackLess - Cherry cracking and mitigation strategies
- ALIEN - Integrated Approach to the Study of Lasiodiplodia-vine Interaction
- DATI - design and development of new Digital Agriculture (DA) technological solutions and procedures for crop and soil monitoring to optimize irrigation management
- Trans-regional integrated system to support the fight against pests and diseases in agriculture – SIAPD

- CAREME - randomized controlled trial on effects on caregiver relational skills and psychosocial adjustment of adolescents
- GLUTEN2TARGET - optimization of low natural toxicity wheat for celiac patients
- WalkingPAD - quantified supervised home exercise therapy to improve walking ability in patients with peripheral arterial disease and intermittent claudication
- INCLUSEA - social inclusion and equal opportunities in sport
- NANOTBC - development of novel nano-polyplex vectors as imaging and delivery agents against triple negative breast cancer

- DigP-SEM - Digital Platforms in the educational management of school clusters
- EDUPLACES - Practices, voices and paths of inclusive education

utad

- UNISF - University without Borders - Creation of joint, cross-border training at the master's and doctoral levels between public universities in the Euro-region

7 AFFORDABLE AND CLEAN ENERGY

- Move2LowC - Bio-based Fuels
- UniRCel - Unified regenerative fuel cell for efficient renewable energy supply: from materials to device
- SOLAR - build high quality regional-scale climate projections for impact and adaptation studies in a wide range of economic sectors

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

- JUSTREST - Development of Alkaline Binders for Geotechnical Applications Exclusively Based on Industrial Residues

10 REDUCED INEQUALITIES

- LEARNVIL - creating ecological and social added value from spaces facing demographic challenges (high aging rate, depopulation).
- PromoTourVR - Promotion of tourist destinations with immersive multisensory media

11 SUSTAINABLE CITIES AND COMMUNITIES

- T-LAMP Project -Turf Lighting Advanced Mobile Platform - Determining how LED technology can grow the plant, with energy and spectral efficiencies
- CDW_LongTerm - Construction and Demolition Waste Valorization in Geosynthetic Reinforced Structures - Prediction of long term behavior
- Environmental and Water Valuation of Agricultural Effluents from UTAD

12 RESPONSIBLE CONSUMPTION AND PRODUCTION

- SMARTAGEING- Decision Support System for the Aging of White Port Wine
- MINECO - new eco-innovative product solutions for mining infrastructure based on mining waste materials
- VALORIZEBYPRODUCTS - Preclinical efficacy of sulforaphane or total brassica extract: a strategy to fight obesity and valorize brassica by-products
- PORLANTSURF - Superhydrophobic films inspired by the surface of leaves and petals of plants from Northern Portugal
- SOLPOWINS - Solar Powered Intelligent Windows for Sustainable Buildings
- INTEGRURAL - Capacity Building for Integrated Sustainable Development in Rural Areas
- ENERWAT - Characterization, modeling and measures for the reduction of urban and rural domestic consumption

utad

- FICA - Innovative tools for contract research in aquaculture nutrition
- EdgeOmics - Freshwater Bivalves: Genomics of adaptation under climate change scenarios

- ALICE - Improving management of Atlantic landscapes: accounting for biodiversity and ecosystem services
- WastingPrionRisk - risk analysis for a potential occurrence of CWD in Portugal
- FlowerCAST - Characterization of the genetic and environmental determinants involved in the reproductive development of Castanea sativa
- ResinPro - Understanding resin production in Pinus pinaster to maximize yields in a more sustainable way
- REPLANT - Implementing collaborative strategies for integrated forest and fire management
- FRESHCO - Multiple implications of invasive species on freshwater mussel coextinction processes
- BONFIRE - Analysis and modeling of potential fire behavior on a global scale
- FIREXTR - Preventing and Preparing Society for Extreme Fire Events: The Challenge of Seeing "the Forest" and not Just "Trees

utad

THE IMPACT RANKING 2021

UTAD has participated in The Times Higher Education Impact Ranking that aims to measure, globally, higher education institutions in relation to the achievement of SDG 2030.

Through the demonstration of evidence that contributes to all 17 SDGs, in 2021, UTAD obtained 77.8 points out of 100, rising, compared to the previous year, to the 101-200 position out of 1115 institutions. The following positions stand out:

2 ZERO HUNGER	46	**6 CLEAN WATER AND SANITATION**	93
15 LIFE ON LAND	89	**17 PARTNERSHIPS FOR THE GOALS**	55