

Una manera de hacer Europa



BUENAS PRÁCTICAS

Actuaciones Cofinanciadas

Canarian Digital Classroom

Regional Ministry of Education, Universities, Culture and Sport of the
Canary Islands Government

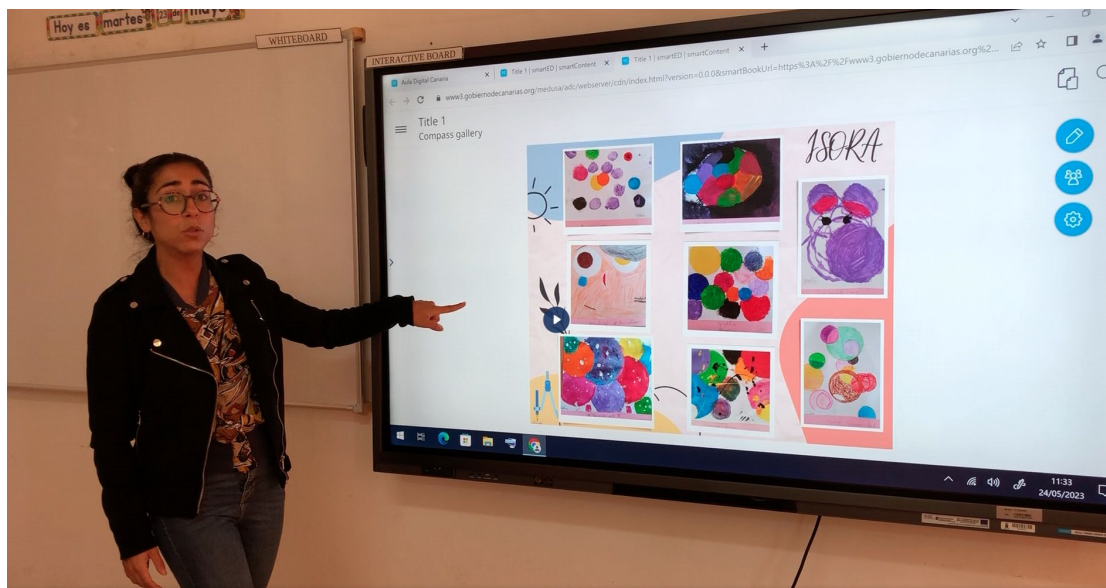
Programa Operativo de Canarias

Año 2022

Fondo Europeo de Desarrollo Regional

GOOD PRACTICE

CANARIAN DIGITAL CLASSROOM: DEVELOPMENTS, SUPPLIES AND INTELLIGENT DIGITAL CONTENT IN THE CANARIAN CLASSROOMS FOR THE DIGITAL TRANSFORMATION OF EDUCATION, FROM THE REGIONAL MINISTRY OF EDUCATION, UNIVERSITIES AND SPORTS OF THE GOVERNMENT OF THE CANARY ISLANDS



Description of the operation:

The project, presented as a good practice, developed by the Regional Ministry of Education, Universities, Culture and Sport of the Canary Islands Government, includes two different actions carried out through the instruments created within the project "Use and Quality of ICT in the Educational Environment".

On the one hand, the first action corresponds to "**Operation 4: Support services for the educational integration of ICT in the classroom**", which consists of the development, updating and/or improvement of educational applications, as well as the creation of educational digital content.

In this respect, it is possible to highlight the creation of the "Canarian Digital Classroom" application, which provides pupils and teachers at public schools with an interactive virtual environment for learning situations in the Brújula20 programme. In addition, several

educational support applications have been developed, such as "Tongaapp", for editing vector images; "Arimates", for generating self-correcting mathematical operations; "Lexican", for creating personal dictionaries and classroom or project dictionaries; or "Hautor", an authoring tool for the creation of digital content by teachers. When it comes to producing educational digital resources and content, special attention has been paid to Canarian heritage content.

On the other hand, the second action corresponds to **"Operation 3: Supply and installation of equipment for creative spaces"** and consisted of the supply of convertible laptops to the educational centres participating in the Brújula20 programme.

This project is called 'Digital Canarian Classroom: developments, supplies and intelligent digital content in Canarian classrooms for the digital transformation of Education' and has required an investment of €824,164.25, of which 85% (€700,539.61) has been co-financed by the Canary Islands ERDF Operational Programme 2014-2020.

This project covers all public basic education centres, from the first year of primary school to the fourth year of ESO, with around 547 primary schools and 214 secondary schools.

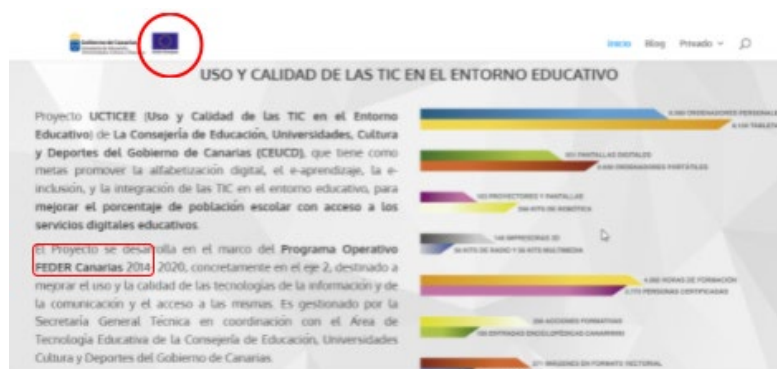
Justification of the Good Practice Criteria:

1- The role of the ERDF in the project has been adequately disseminated among beneficiaries, potential beneficiaries and the general public.

The project has been disseminated in different media where the financing with funds from the OP ERDF Canary Islands 2014-2020 has been mentioned.

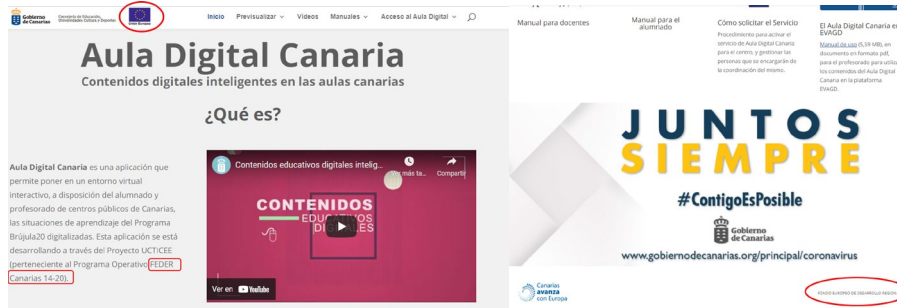
- **On the WEB page of the project "Use and Quality of ICT in the Educational Environment (UCTICEE):**

<http://www.gobiernodecanarias.org/medusa/ecoescuela/ucticee/>



- On the informative web page of the Canarian Digital Classroom (ADC in its Spanish acronym)

<https://www3.gobiernodecanarias.org/medusa/ecoescuela/auladigitalcanaria/>



- Presentation video of the Canarian Digital Classroom:

<https://www3.gobiernodecanarias.org/medusa/mediateca/ecoescuela/wp-content/uploads/sites/2/2021/04/auladigitalcanaria.mp4>



Proyecto cofinanciado por el Fondo Europeo de Desarrollo Regional



- On social networks:

<https://twitter.com/ecoescuela20/status/1322073143532490752>



En respuesta a @ecoescuela20

Este objeto de aprendizaje forma parte de la colección de recursos disponibles para su descarga y uso dentro del trabajo docente, dando así la posibilidad de desarrollar trabajos más creativos y personalizados.

#UCTICEE #FEDER #Canarias #TIC #Profesorado @EducacionCan

2.-Incorporation of innovative elements.

The digitalisation of the learning situations of the Brújula20 programme is an important milestone, as the interactive virtual classrooms guarantee the educational proposal, from the teaching programmes and educational resources, for all levels and subjects of basic education, which is a major step towards the digital transformation of public education in the Canary Islands.



The development of several innovative actions, such as the updating and improvement of the virtual classrooms and web tools of the Regional Ministry of Education, Universities, Culture and Sport, as well as the creation of didactic programmes, the monitoring of evaluation and the creation of computer tools for interaction between different educational applications have made it possible for public education to be carried out in an interactive and accessible virtual environment.

3.-Appropriateness of the results obtained to the objectives set.

The funds provided by the ERDF have facilitated the development of this project, leading to a public education in the Canary Islands with greater integration of ICT in the classroom, making possible the provision of laptops in public schools and the development of various computer applications that improve the quality of teaching through digital media.



This project offers intelligent digital developments and content, as well as providing educational centres with sufficient technology for the implementation of new teaching methodologies and strategies, thus enabling the modernisation of education and the improvement of student learning, especially the development of digital competence, which is a basic competence for citizenship in the 21st century.

Bearing in mind that the project covers all public basic educational centres, it has managed to improve the quality of education for a total of 82,753 primary school pupils and 67,203 secondary school pupils.

4.-It contributes to the resolution of a problem or weakness detected in the area of execution.

The IT developments for the interoperability of the different applications for planning, management and teacher assessment made it possible to interact with applications in which teachers had to work separately, which contributed to reducing the bureaucratic burden and simplifying the work of teachers.

The products obtained and the actions carried out, in addition to fulfilling the initial objectives of the project, have served to respond to the situation generated by the COVID-19 pandemic, which forced the total digitalisation of education. Both the virtual classrooms and the educational resources served to facilitate the transfer from face-to-face teaching to distance learning for students through digital media.

5.- It has a high degree of coverage of the target population.

A high degree of coverage was achieved among beneficiaries, teachers, pupils and their families, as the virtual classrooms are available to all teachers in public schools and the digital educational resources are published on the website of the Regional Ministry of Education, Universities and Sport of the Canary Islands Government, under licences that allow the material to be shared, copied and redistributed in any medium or format.

Taking into consideration the situation of the COVID-19 pandemic, and once the programme has been published on the WEB of the Regional Ministry of Education, Universities and Sports of the Canary Islands Government, it is estimated that the total potential beneficiaries will be 847 educational centres, 213,935 pupils and 26,854 teachers.

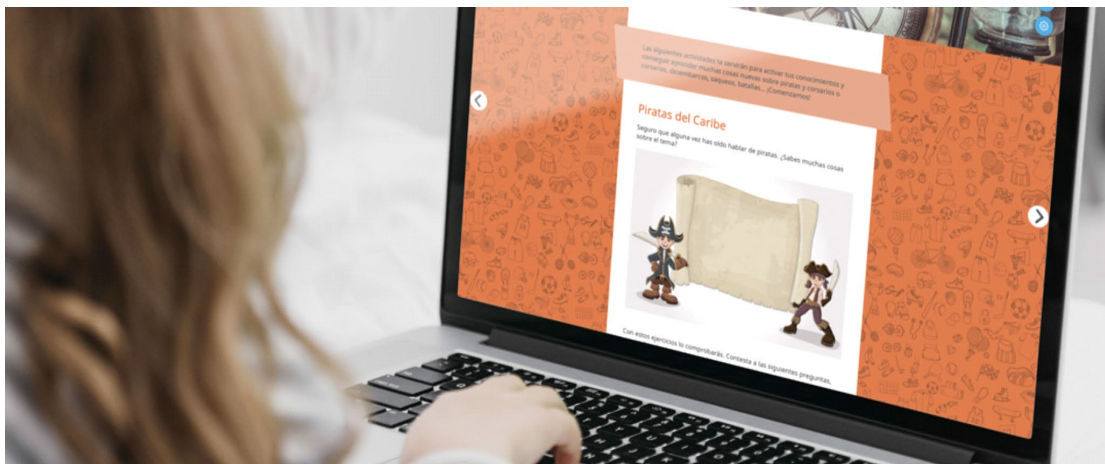
6.- Consideration of the horizontal criteria of equal opportunities and non-discrimination, as well as social responsibility and environmental sustainability.

One of the objectives of the project "Use and Quality of ICT in the Educational Environment" is sustainable development and avoiding the negative consequences of climate change, through the promotion of digital materials and collaborative spaces, which reduce, in their entirety, paper resources.

In this sense, virtual educational spaces and new learning and communication environments offer conditions and forms of learning and teaching that are adapted to a digitalised world, as well as the use of open educational resources that allow networking and different forms of dissemination of knowledge, both for groups or classes, as well as for individual student activities.

Other objectives included in the "Strategy for the Equality of Women and Men 2013-2020" are also guaranteed, such as the non-sexist use of language, transmitting non-sexist content in the scope of the projects developed; carrying out actions that favour the implementation of new technologies based on Equality criteria and promoting the participation of women in the

implementation of the Information and Knowledge Society.



7.- Synergies with other policies or instruments of public intervention.

The actions of this project are part of the Brújula20 programme of the Regional Ministry of Education, Universities, Culture and Sports of the Government of the Canary Islands, created to model and simplify teaching work, providing teachers with resources and materials (teaching programmes with their corresponding learning situations and resources for their application), designed on the basis of the Canarian curriculum and in accordance with the principles and values of the Regional Ministry of Education, Universities, Culture and Sport, with the aim of promoting innovative methodologies that facilitate the development and evaluation of competences and the effective use of digital technologies, integrated into the design of classroom programming.

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