

International research cooperation

Cooperación internacional para la investigación

Durante el transcurso del año 2024, se consolidó una serie de valiosas colaboraciones internacionales en el ámbito de la investigación, estableciendo vínculos con instituciones de países no hispanohablantes. En lo corrido de este año, se implementaron un total de 16 proyectos conjuntos, liderados por las Facultades de Ciencias Económicas y Administrativas, Derecho, Diseño e Ingeniería. En estos proyectos, contamos con la participación activa de investigadores provenientes de Bélgica, Brasil, Canadá, Estados Unidos, Francia, Italia y Portugal. Este intercambio de conocimientos y experiencias enriquece significativamente nuestras iniciativas investigativas, fortaleciendo así nuestra red de colaboración internacional.

Facultad de Ciencias Económicas y Administrativas

Proyecto	Socio(s) no hispanohablante	País
Impacto de la migración proveniente de Venezuela sobre la productividad laboral y la distribución de ocupaciones en Colombia.	University of British Columbia	
Los NINIS colombianos: características, determinantes y efectos de la crisis	University of British Columbia	

Facultad de Derecho

Proyecto	Socio(s) no hispanohablante	País
Conflicto & Control Sociales_3	Universidade Estadual do Oeste do Paraná	
Nueva criminalidad y control 7	Università degli Studi di Palermo	
Transformación del estado nación y la soberanía en tiempos de globalización (I parte)	Università degli Studi di Salerno	
ELPIS: Análisis de datos para la toma de decisiones espaciales e inteligencia artificial para la administración. Derecho, Cambio Climático y Big Data (Proyecto conjunto con el programa de Ingeniería de Sistemas)	University of Texas at Arlington Universidade Católica de Santos	 



Facultad de Diseño

Proyecto	Socio(s) no hispanohablante	País
Diseño de interacciones para la sensibilización ambiental en torno al agua. Región Nautica III-municipio Sao Vicente (Brasil)	Universidade Católica de Santos	
Validación de un modelo de fabricación digital para vivienda social de un TRL4 a un TRL6. (Proyecto conjunto con el Programa de Ingeniería Civil)	Atitus Educação	

Facultad de Ingeniería

Proyecto	Socio(s) no hispanohablante	País
Degradación de ríos tropicales y sus implicaciones para las comunidades pesqueras (Fase I)	Regina University	
	University of Nottingham	
Desarrollo de un modelo participativo estratégico para mejorar la habitabilidad en territorios informales adscritos a la organización Techo Colombia Fase I	Università degli Studi di Salerno	
Modelado del efecto corona y su efecto en la propagación de sobretensiones en líneas de transmisión e interferencia en las bandas de comunicaciones de frecuencias inferiores a 1000 MHz	Universidade Estadual de Campinas	
Modelación física y numérica de estructuras geotécnico-hidráulicas (etapa 3)	Universidade do Porto	
Medición del nivel de calidad en instituciones de salud ubicadas en Brasil y Colombia utilizando indicadores Lean y Six Sigma para la determinación de capacidad y oportunidades de mejora de procesos y estilo de liderazgo	Escola de Engenharia de São Carlos (EESC) da Universidade de São Paulo (USP) Instituto Federal de São Paulo	

Proyecto	Socio(s) no hispanohablante	País
Comportamiento Mecánico de una Mezcla Asfáltica con residuos de Aluminio- Fase I	Universidade Federal de Goiás	
Proyecto de cooperación internacional - INGÉNIEUXSUD	Université Catholique de Louvain Fundación Fondacio	 
Validación de un modelo de fabricación digital para vivienda social de un TRL4 a un TRL6. (Proyecto conjunto con la Facultad de Diseño)	Atitus Educação	
ELPIS: Análisis de datos para la toma de decisiones espaciales e inteligencia artificial para la administración. Derecho, Cambio Climático y Big Data (Proyecto conjunto con el programa de Ingeniería de Sistemas)	University of Texas at Arlington Universidade Católica de Santos	 

Facultad de Psicología

Proyecto	Socio(s) no hispanohablante	País
A cross-cultural study of everyday moral experiences	Providence College	

International cooperation

Cooperación internacional

Incoming Staff Mobility Exchange from Poland: Lazarski University Visits (May 2024) - Erasmus Program Funding.



On May 28th and 29th, the Rector of Lazarski University participated in a rewarding academic agenda that included meetings with the authorities of the Catholic University of Colombia, faculty members from the School of Law and the School of Economic and Administrative Sciences, as well as valuable exchanges with the staff of the Editorial Office.

One of the highlighted events was the international conference titled “Challenges and Opportunities of Artificial Intelligence in Today's Global Context.”

This event brought together experts and scholars to explore the most relevant and challenging aspects of the current landscape of artificial intelligence.



Outgoing Mobility to WUT funded by the Erasmus Program WUT (May 2024)

Professor Sergio Ivan Galvis from the School of Engineering at Universidad Católica de Colombia has been selected to participate in the 14th edition of the Erasmus International Week held at the West University of Timisoara in Romania from May 13th to May 17th.



The event featured a diverse and enriching academic agenda. Among the notable activities were the mutual learning workshop “Green, Innovative and Sustainable European Universities”

and the session “My University in 180 Seconds,” where participants presented their home institutions in just 3 minutes. Additionally, discussions were held on the myths of academic life in the session “Reality or Fiction?: Navigating the Myths of Academic Life,” as well as spaces for sharing best practices and professional observation.

Professor Galvis Mota had the opportunity to share his experience in implementing COIL (Collaborative Online International Learning) projects and his collaboration with Tecnológico de Monterrey, a relationship that has been consolidated over the past three years. During his intervention, he also participated in professional observation sessions with faculty from WUT, aiming to exchange knowledge and experiences on COIL projects from both institutions.

Professor Pilar Suescún-Monroy's Pioneering Research at the Ibero-American Institute through DAAD Fellowship



Professor Pilar Suescún-Monroy from the Faculty of Design represented the Universidad Católica de Colombia in the German Academic Exchange Service (DAAD) research stay program in Arts and Architecture. Her stay took place at the Ibero-American Institute (IAI) in Germany. The IAI, known for its extensive specialized library and its role as a cultural and academic exchange center between Germany and Latin

America, provided an ideal environment for her research.

Her study, titled "The Development of Latin American Cities and Their Connection with Photographic Technology," aimed to offer a historical narrative through images.

This selection not only highlights the quality and relevance of her proposal but also marks the first time a professor from the Universidad Católica de Colombia has been chosen for this program, underscoring her academic excellence. During her stay, Professor Suescún-Monroy developed a data collection tool, visited the IAI's documentary archive in Berlin, and systematically organized the gathered data to provide a detailed interpretation of the research images.

Mise en œuvre d'un système innovant de filtration de l'eau à San Isidro Patios grâce à la coopération internationale



Notre institution, en partenariat avec la Fundación Techo, Altos del Cabo by Fondació et l'Universidad Jorge Tadeo Lozano, a réalisé le projet de coopération internationale INGÉNIEUXSUD 2023-2024 en collaboration avec l'Université Catholique de Louvain. Ce projet a permis la mise en place d'un système de filtration lente sur sable, complété par des mécanismes de coagulation-floculation, pour améliorer la qualité de l'eau pour les familles de San Isidro Patios.



Le projet visait à assurer l'accès à l'eau potable et à un assainissement adéquat. Une évaluation initiale a été effectuée pour identifier les besoins critiques en eau et en habitabilité. Du 9 au 21 juillet, quatre étudiants belges ont travaillé dans le quartier de San Luis avec les équipes locales pour mettre en œuvre le système de filtration. Ils ont également visité l'Universidad Católica

de Colombia, où ils ont rencontré des membres de la faculté de Génie et de Création, ainsi que le Bureau des Relations Internationales, renforçant les liens institutionnels. L'événement du 16 juillet, « Innovation et durabilité dans la gestion des eaux pluviales: une expérience entre l'Université Catholique de Louvain et l'Universidad Católica de Colombia », a souligné les réalisations du projet et son impact positif sur la communauté, avec plus de 70 participants. Cette initiative démontre l'engagement de l'Universidad Católica de Colombia envers l'innovation, le développement durable et le bien-être communautaire, constituant un pas important vers un accès sûr et équitable à l'eau potable pour tous.

Approaching Mental Health Challenges from an American perspective- Fulbright US Specialist

With the support of the Fulbright US Specialist Program, the School of Psychology hosted Dr. Ruta Rangel, Program Manager of the EQUIP-Center for Mental Health Equity at George Washington University. During her stay, Dr. Rangel developed a training program aimed at enhancing the knowledge of students, faculty members, and staff on global mental health strategies.

Additionally, she participated in the curriculum modernization process and provided valuable feedback to the authorities at our School of Psychology.

Furthermore, Dr. Rangel facilitated a series of webinars on neuroscience and global mental health, inviting

other American experts to contribute and offering her continued support throughout the project.

These activities were open to participants from Universidad Católica de Colombia, as well as other higher education institutions in Bogotá.



[Click for more information here](#)

Participation à l'École internationale d'automne en pédagogie numérique RELIEF

Dans le cadre du Programme COLUQ, cofinancé par le réseau d'établissements de l'Université du Québec et ICETEX, visant à promouvoir la collaboration internationale entre la province du Québec et la Colombie, le professeur Mauricio Morales Meneses, enseignant-chercheur à la Faculté d'Ingénierie, a été invité par l'Université du Québec à Trois-Rivières pour participer à l'École internationale d'automne 2024. Lors de cet événement, il a eu l'opportunité d'échanger avec d'autres chercheurs et d'approfondir ses connaissances sur la thématique « La scénarisation pédagogique et l'évaluation à l'ère de l'intelligence artificielle générative ».

Dans le cadre de cet événement académique, le professeur Morales a dirigé une conférence au cours de laquelle il

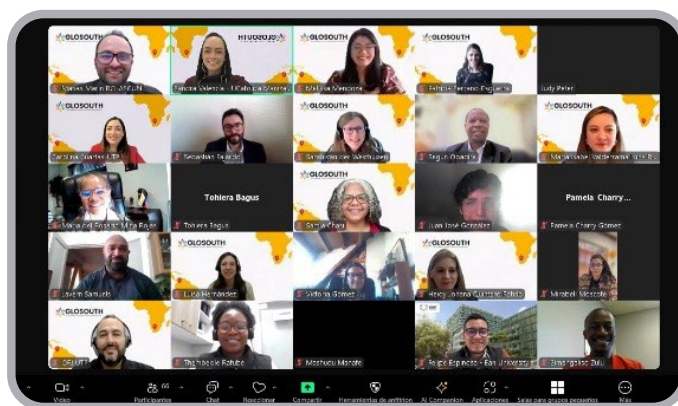
a présenté les résultats du projet « Modèle d'apprentissage automatique pour la reconnaissance des variables dans les récits écrits des employés du secteur de la santé ».

De plus, il a pris part de manière active à cinq autres conférences, six ateliers et deux tables rondes, ce qui lui a permis d'identifier de bonnes pratiques mises en place par ses collègues provenant des établissements du réseau UNITA Geminae, tels que l'Université du Québec à Trois-Rivières, l'Université Savoie Mont-Blanc, l'Université de Montréal et la HES-SO Valais-Wallis.

Cet espace a été très enrichissant et ouvre de nouvelles opportunités de collaboration avec les partenaires du réseau UNITA Geminae.



Strengthening cooperation for the internationalization of higher education between Colombia and South Africa



The Universidad Católica de Colombia (UCdC) is a key partner in the IEASA-RCI Knowledge Exchange Program, aimed at enhancing higher education internationalization between Colombia and South Africa. Funded by ICETEX, this initiative involves UCdC, Universidad Tecnológica de Pereira, Red Colombiana para la Internacionalización (RCI-ASCUN), and other Colombian institutions, in collaboration with the International Education Association of South Africa (IEASA). The program focuses on sharing knowledge, identifying collaboration opportunities, and developing joint initiatives to advance internationalization.

UCdC will host the 'Comunidad de Aprendizaje en Internacionalización de la Educación Superior' (CAIES) in Bogotá and participate in various activities to strengthen academic and cooperative networks.

Through this project, UCdC will build valuable academic partnerships with South African institutions, contributing to a South-South cooperation framework.

The collaboration will enhance UCdC's international ties and support the development of effective internationalization strategies, benefiting both UCdC and the broader higher education landscape in Colombia and South Africa.

The project began its implementation in September with a kick-off meeting featuring international officers from Colombia and South Africa, held in Toulouse during the EAIE Conference.

Over the past few months, a series of webinars have taken place, focusing on the following topics:

- I. Approaches to the internationalization of Higher Education in Colombia and South Africa (October 3, 2024).
- II. Strategies to promote countries as international academic destinations (November 13, 2024).
- III. Curricular internationalization, diversity, equity and inclusion (December 3, 2024).

Capacity Building for International Marketing and Recruitment in Higher Education: a Colombian - Hanze UAS and geNEOus collaboration

Funded by ICETEX's Expert Program grant, this initiative seeks to build capacity by sharing advanced market research methodologies, data analysis practices, and branding strategies. The project aims to enhance international educational marketing and student recruitment through a collaborative effort involving Universidad Católica de Colombia (UCdC), Universidad Católica de Manizales (UCM), Universidad Tecnológica de Pereira (UTP), Hanze University of Applied Sciences (Hanze UAS), and the consulting firm GeNEOus.

UCdC will benefit significantly from this collaboration by participating in workshops and training sessions led by GeNEOus and Hanze UAS, which will focus on educational marketing strategies, branding, and CRM. These activities are designed to bolster UCdC's capabilities in developing and implementing effective international marketing strategies, thereby enhancing its global positioning.

Additionally, the project will include tailored mentorship from Hanze UAS and GeNEOus to address UCdC's specific challenges and opportunities in attracting international students. This mentorship will assist UCdC in creating an innovative pilot program for international student recruitment, including participation in an international fair to showcase its pro-

grams. Comprehensive monitoring and evaluation will be conducted through various committees to ensure successful implementation and long-term sustainability of the marketing strategies. The project is expected to significantly impact UCdC by boosting its global visibility, refining its international recruitment processes, and expanding its global network.

During the last week of November, the group went to Manizales, where they were trained by the GeNEOus team. This experience allowed them to deepen their knowledge of international marketing strategies, shared previous experience and exchange with professionals with the partners institutions.



Improving Media Literacy to Combat Climate Change: Utilizing Data to Counter Misinformation—Project Granted under the 100K Clima Call

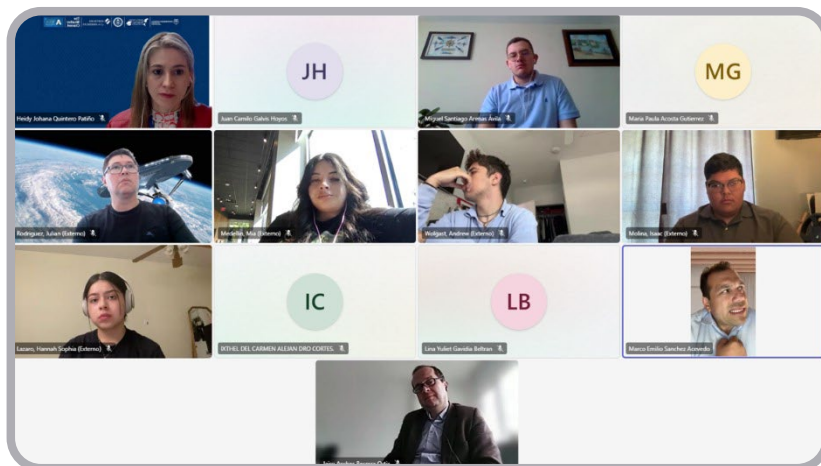


Under this call, the Universidad Católica de Colombia has received a grant from the 100K CLIMA program, funded by Partners of the Americas and supported by Grupo Energía Bogotá (GEB), Fundación Santo Domingo (FSD), and the U.S. Department of Agriculture (USDA), in collaboration with the U.S. Department of State's Bureau of Western Hemisphere Affairs and the U.S. Embassy in Bogotá, to develop the project "Improving Media Literacy to Combat Climate Change: Utilizing Data to Counter Misinformation." This project involves collaboration with the University of Texas at Arlington, The Weather Channel en Español, and the Instituto de Hidrología, Meteorología y Estudios Ambientales (IDEAM). It will include bilingual meteorological content development and two international mobility programs, culminating in content distribution via The Weather Channel en Español in spring 2025, aiming to counter misinformation and address critical climate issues.

This initiative emphasizes the importance of educational exchanges and intercultural collaboration. The project will involve

students from the faculties of Law and Engineering at Universidad Católica de Colombia, working alongside students from the Faculty of Communication at the University of Texas at Arlington. It will feature synchronous online sessions, bilingual meteorological content development, and language training in both Spanish and English. Additionally, the project includes two international mobility programs where students will visit each other's countries to engage in fieldwork, data collection, and cultural activities. By integrating these elements, the project aims to enhance media literacy, provide accurate climate information, and strengthen the partnership between academic institutions and media outlets, thereby contributing to a more informed and effective response to climate change challenges.





In October 2024, the UTA group visited Colombia for eleven days. During their stay, a variety of academic activities were carried out, including a Spanish course led by the Languages Institute; several interviews with different experts in the field of the environment, such as the Institute of Hydrology, Meteorology, and Environmental Studies of Colombia (IDEAM); the Ministry of Science, Technology and Innovation; and the Aqueduct of Bogotá, among others.

Additionally, the agenda included fieldwork and visits to gain a firsthand understanding of the Colombian reality concerning water challenges. In this context, both Colombian and American participants visited the Chingaza National Natural Park, the source of the Chuza River, the Chingaza Reservoir, Las Cascadas Natural Park, and the San Rafael Reservoir.

To complement their experience, the group had the opportunity to explore Colombian cultural sites, including the Botero Museum, the Bogotá Mint

Museum, Bolívar Square, the municipality of Villa de Leyva, the Boyacá Bridge, and the Salt Cathedral of Zipaquirá.

Throughout this variety of activities, the experience was very enriching for the group and allowed participants to make progress toward the project's objectives.

