

# SUSTAINABILITY CENTER





2023

# SUSTAINABILITY CENTER



# MISSION

To manage strategic projects that contribute to the fight against poverty, care for the planet and respect for diversity.



## SUSTAINABLE DEVELOPMENT GOALS (SDGs)

The SDGs have been part of the United Nations (UN) 2030 Agenda since 2015, and it is an action plan to be followed by governments, international organizations, institutions, the private sector and civil society in order to address climate change. In that vein, measures are taken to improve the quality of life and achieve greater sustainable economic growth toward 2030.





## VISION

To be an international reference that generates value in the following areas:

### **SOCIAL RESPONSIBILITY**

In order to promote a volunteering culture in initiatives related to building a better society, we collaborate with several parties involved in the local food systems, the management of sustainable cities, the strengthening of ethics as a citizenship practice, the inclusion of the disabled community, the rural entrepreneurship and the economic reintegration of the migrant community.

### **ENVIRONMENTAL RESPONSIBILITY**

Our drive is to strengthen sustainability on the Ulma campus. Through the Environmental Management System and the measurement of the University of Lima's carbon footprint, we promote different lines of action related to sustainable mobility, energy efficiency and waste reduction, among other aspects. We also promote training projects for different business actors in the application of circular economy for the benefit of the society and the environment.

### **CORPORATE RESPONSIBILITY**

We promote the concept of "new socially and environmentally responsible company" by implementing the Collective Benefit and Interest (BIC) Companies model, for both the external business community (through the Interdisciplinary Clinic for BIC Companies) and the training processes of our University. To this end, we have the support of the Ulma community and the different parties involved in the national BIC ecosystem.

## **SUSTAINABILITY CENTER'S PHILOSOPHY**

The University of Lima sustainability management is based on a comprehensive strategy that considers environmental, social and governance criteria aligned with the attainment of the SDGs. This strategy, led by the Sustainability Center, is underpinned by four thematic lines:

- 1 Improvement of the quality of life in the city**
- 2 Ethical and civic education**
- 3 Promotion of the triple-impact business model**
- 4 Management of a sustainable campus, responsible for its community and the environment**







# IMPACT

- CITIZENSHIP AND CITIES
- COLLECTIVE BENEFIT AND INTEREST (BIC) COMPANIES MODEL
- CIRCULAR CAMPUS
- SUSTAINABLE START-UPS AND BUSINESSES
- CIRCULAR ECONOMY





# CITIZENSHIP AND CITIES

300

SCHOOL-AGE CHILDREN OF THE BARRIO NUEVO VILLAGE (OCUCAJE, ICA) BENEFITED FROM THE PROJECT "TOGETHER FOR THE EDUCATION OF THE CHILDREN IN OCUCAJE."

100

ARTISANAL FISHERMEN FROM THE DISTRICT OF VENTANILLA AND THEIR FAMILIES BENEFITED FROM SOCIAL SUPPORT INITIATIVES.

123

STUDENTS PARTICIPATED IN THE FIRST AND SECOND "SUSTAINABLE CITIES: VISION 2030" COMPETITION.

281

ULIMA STUDENTS AND PROFESSORS PARTICIPATED IN THE DEVELOPMENT OF INITIATIVES LED BY THE SUSTAINABILITY CENTER.







3830

STUDENTS FROM THE GENERAL STUDIES PROGRAM AND THE MARKETING, INDUSTRIAL ENGINEERING AND SYSTEMS ENGINEERING UNDERGRADUATE PROGRAMS PARTICIPATED IN THE 2022 ULIMA ETHICS PLAN.

1173

STUDENTS PARTICIPATED AS VOLUNTEERS AT THE SUSTAINABILITY CENTER IN 2022.

40

ELDERLY PEOPLE PARTICIPATING IN THE COMPREHENSIVE CENTER FOR THE ELDERLY (CIAM) IN LINCE WERE EMPOWERED WITH THE "EMPREDIMIENTOS PLATEADOS" ("SILVER START-UPS") PROGRAM THROUGH COACHING.

82

SCHOOL-AGE CHILDREN FROM THE MICAELA BASTIDAS DE CONDORCANQUI SCHOOL IN LINCE BENEFITED FROM A SPECIAL PERFORMANCE OF THE PLAY *PULMONES*.

# COLLECTIVE BENEFIT AND INTEREST (BIC) COMPANIES MODEL

80

ULIMA PROFESSORS AND STUDENTS  
HAVE BEEN MADE AWARE OF THE  
IMPORTANCE OF STARTING BUSINESS  
WITH AN ENVIRONMENTAL AND SOCIAL  
PURPOSE.

14

ROADMAPS FOR BUSINESS  
TRANSFORMATION TOWARD THE  
BIC MANAGEMENT MODEL WERE  
DESIGNED FOR START-UPS AND  
COMPANIES.

45

PROFESSORS HAVE CONTRIBUTED TO  
THEMATIC INNOVATION.





# CIRCULAR CAMPUS

40

STUDENTS, MEMBERS OF THE ENVIRONMENTAL MANAGEMENT SYSTEM (SGA) VOLUNTEERING PROGRAM WHOSE IMPLEMENTATION ON CAMPUS WAS CONDUCTED BY RESPONDE ULIMA, CARRIED OUT ACTIVITIES TO MONITOR ENVIRONMENTAL ASPECTS.

438

MEMBERS OF THE ULIMA COMMUNITY PARTICIPATED IN SUSTAINABLE TRANSPORTATION PRACTICES.

207

MEMBERS OF THE ULIMA COMMUNITY PARTICIPATED IN TRAINING ON CIRCULAR ECONOMY PRACTICES.





# SUSTAINABLE START-UPS AND BUSINESSES



30

INITIATIVES WERE PART OF THE SECOND SOCIAL ENTREPRENEURSHIP COMPETITION. THE SUSTAINABILITY CENTER IS ALSO A MEMBER OF THE TECHNICAL COMMITTEE OF PLATFORMS FOR THE PROMOTION OF SOCIAL ENTREPRENEURSHIP IN PERU.

56

WOMEN ENTREPRENEURS FROM PERU, ECUADOR AND COLOMBIA BENEFITED FROM ACADEMIC SUPPORT.

263

AGRICULTURAL PRODUCERS AND SMALL AND MEDIUM-SIZED ENTERPRISES BENEFITED FROM BUSINESS MANAGEMENT TRAINING.



# CIRCULAR ECONOMY

2

TECHNICAL STANDARDS WERE LED BY THE SUSTAINABILITY CENTER AS TECHNICAL OFFICE OF THE STANDARDIZATION TECHNICAL COMMITTEE (CTN) OF CIRCULAR ECONOMY OF THE NATIONAL QUALITY INSTITUTE (INACAL).

1 1 40

BOOKS IN SPANISH, ENGLISH, FRENCH, PORTUGUESE, GERMAN, ITALIAN AND ARABIC WERE EXCHANGED DURING THE *TRUEQUE DE LIBROS* (BOOK EXCHANGE) INITIATIVE.

500

WOMEN FROM 14 FOOD MARKETS NATIONWIDE BENEFITED FROM THE CIRCULAR ECONOMY WORKSHOP PROGRAM.



# RESEARCH



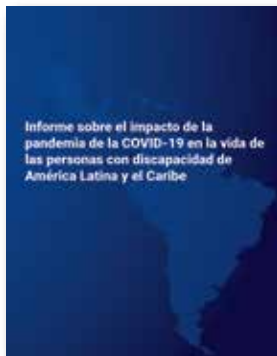




We promote and lead high-impact research, which have been published in institutional repositories and the Scopus database. Research results provide information to companies, academia and government for the development of circular economy and the attainment of the SDGs.

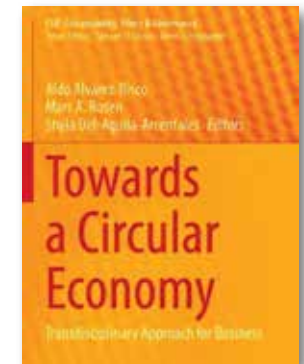
### “Report on the Impact of the COVID-19 Pandemic on the Lives of Persons with Disabilities in Latin America and the Caribbean”

The Sustainability Center and the Architecture Undergraduate Program, together with the Latin American Network of Non-Governmental Organizations of Persons with Disabilities and their Families (RIADIS), the International Disability Alliance (IDA) and the Christian Blind Mission (CBM), prepared the 2021 report on the impact of the pandemic on persons with disabilities, which were the most affected social group. For the study, a sample of 350 persons with some type of disability in Latin America and the Caribbean was considered: 63.7% were women; 35.6% were men and 0.06% were identified as others.



### “University Contributions to Circular Economy”

Alfredo Estrada, director of the Sustainability Center, and Aldo Álvarez Risco, professor at the International Business Undergraduate Program, wrote the chapter “University Contributions to Circular Economy” as part of the book *Towards a Circular Economy. Transdisciplinary Approach for Business*. The book explains that sustainable development is a task for all actors in society and that universities no longer only play a role in training leaders and professionals but also represent a bridge between knowledge and innovation at all levels of the government, private sector companies and civil society members for the protection of the environment under the quintuple helix approach.








































# ULIMA RESEARCH LINES ALIGNED TO THE SUSTAINABLE DEVELOPMENT GOALS (SDGs)

## ASSOCIATION WITH THE SDGs

## LINES OF RESEARCH

 3 SALUD Y BIENESTAR	 4 EDUCACIÓN DE CALIDAD	 9 INDUSTRIA, INNOVACIÓN E INFRAESTRUCTURA	 10 REDUCCIÓN DE LAS DESIGUALDADES	Communication and culture				
 2 HAMBRE CERO	 3 SALUD Y BIENESTAR	 4 EDUCACIÓN DE CALIDAD	 6 AGUA LIMPIA Y SANEAMIENTO	 8 TRABAJO DECENTE Y CRECIMIENTO ECONÓMICO	 9 INDUSTRIA, INNOVACIÓN E INFRAESTRUCTURA	 11 CIUDADES Y COMUNIDADES SOSTENIBLES	 16 PAZ, JUSTICIA E INSTITUCIONES SÓLIDAS	Quality of life and well-being
 2 HAMBRE CERO	 3 SALUD Y BIENESTAR	 4 EDUCACIÓN DE CALIDAD	 8 TRABAJO DECENTE Y CRECIMIENTO ECONÓMICO	 9 INDUSTRIA, INNOVACIÓN E INFRAESTRUCTURA	 12 PRODUCCIÓN Y CONSUMO RESPONSABLES	Productivity and employment		
 1 FIN DE LA POBREZA	 5 IGUALDAD DE GÉNERO	 10 REDUCCIÓN DE LAS DESIGUALDADES	 13 ACCIÓN POR EL CLIMA	 14 VIDA SUBMARINA	 15 VIDA DE ECOSISTEMAS TERRESTRES	Law, State and democracy		
 6 AGUA LIMPIA Y SANEAMIENTO	 7 ENERGÍA ASEQUIBLE Y NO CONTAMINANTE	 9 INDUSTRIA, INNOVACIÓN E INFRAESTRUCTURA	 12 PRODUCCIÓN Y CONSUMO RESPONSABLES	 13 ACCIÓN POR EL CLIMA	 14 VIDA SUBMARINA	 15 VIDA DE ECOSISTEMAS TERRESTRES	Natural resources and environment	
 1 FIN DE LA POBREZA	 8 TRABAJO DECENTE Y CRECIMIENTO ECONÓMICO	 9 INDUSTRIA, INNOVACIÓN E INFRAESTRUCTURA	 12 PRODUCCIÓN Y CONSUMO RESPONSABLES	Business development				



### **“Factors for Implementation of Circular Economy in Firms in COVID-19 Pandemic Times: The Case of Peru”**

In Peru, the circular economy would generate benefits, but it is not entirely clear what factors explain the acceptance of companies to implement it. Following the theory of planned behavior, the research evaluates the influence of attitudes, subjective standards, perceived behavior standards, intentions and pressures on behaviors towards circular economy. The article was written by Director Alfredo Estrada, Ulima Professors Aldo Álvarez and Annia Vargas, University of Ontario Institute of Technology Professor Marc Rosen, and “Almirante Miguel Grau” National Merchant Marine School (ENAMM) Professor Shyla del Águila.

### **“Study on COVID-19 Vaccination Process Effectiveness in Peru”**

Research presented in the United States at the 2022 MIT SCALE Conference for Latin America & the Caribbean by Alfredo Estrada, director of the Ulima Sustainability Center; Patricia Larios and Luis Bedoya Jiménez, professors at the Ulima Industrial Engineering Undergraduate Program; Miguel Bosio, director of the Ulima Master’s Program in Operations and Project Management; Valentina Schmitt, researcher and associate professor at the University of Lima; Fernando Unda, bachelor’s degree in economics from Ulima; Raúl Acosta, chief physician of the University of Lima Medical Department; and Ernesto Gozzer, associate professor at Cayetano Heredia Peruvian University (UPCH).

### **“Attitude Is not Enough to Separate Solid Waste at Home in Lima”**

Alfredo Estrada, director of the Sustainability Center, Christiam Méndez, Víctor Bohórquez and Carlos Caycho presented this article in the Recycling journal. The article explains that household solid waste separation behavior remains a challenge for municipal programs in emerging economies. Large cities focus on the generation of solid waste, but in Latin America a large percentage of such waste is not reused. Therefore, the research explores the behaviors that motivate the separation of household solid waste in Lima.



## ACHIEVEMENTS AND AWARDS

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- LEED Gold Certification, awarded by the U.S. Green Building Council, for the construction of buildings O1, O2, F1 and I1.
- *Huella de Carbono Perú* (Carbon Footprint Peru) Certification (Ministry of the Environment) for the measurement conducted on campus in 2019 and 2020.
- 2021 Recognition for Continuous Improvement for the project “Strengthening University Volunteer Work”.
- 2022 Recognition for Continuous Improvement for the project “Adjustment and Improvement in the Management of Waste Electrical and Electronic Equipment at the University of Lima.”
- Winners of the 2022 call of the Support Program for the Development of International Thematic Meetings, organized by the Group of Ibero-American Universities La Rábida, regarding the topic of circular business.
- Recognition from INACAL (National Quality Institute) to the Standardization Technical Committee (CTN) of Circular Economy for its outstanding performance in 2021.
- Recognition from the Interuniversity Development Center (CINDA) for the program “Green SMEs: Environmental Practices in Peruvian Companies,” as a successful good practice.
- Recognition for the study “Progress in the Implementation of the 2030 Agenda and the SDGs in Peruvian Universities,” led by the United Nations.
- Co-organizer of the “*Diálogos Académicos*” (Academic Dialogs), an initiative of the Ministry of the Environment of Peru.
- Participation in the Erasmus+ project “Change the Climate: Assuring the Quality of Environmental Strategies in Latin-American Higher Education” (QualEnv).


## MEMBERSHIPS

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- UN Sustainable Development Solutions Network (SDSN).
- Advanced Signatory of the UN Global Compact supported initiative “Principles for Responsible Management Education” (PRME).
- Anti-Poverty Working Group of the UN Global Compact supported initiative “Principles for Responsible Management Education” (PRME).
- Coordination of the Latin American Council of Management Schools (CLADEA) Latin American Network of Social Responsibility (RRS).
- International Chamber of Commerce (ICC) Circular Economy Working Group and Plastic Pollution Working Group.
- Member of the American Chamber of Commerce of Peru (AmCham) Sustainability Committee.
- International Cooperation Program for Sustainable Development of the Group of Ibero-American Universities La Rábida.
- Coordination of the Circular Sustainability Working Group of Universia MetaRed ASG in Peru.
- Member of the Standardization Technical Committee (CTN) of Circular Economy of the National Quality Institute (INACAL) since 2020.
- Academia task force of the Ministry of the Environment of Peru.
- Member of the Interuniversity Environmental Network (RAI) promoted by the Ministry of the Environment of Peru.
- SDG Commission of the Consortium of Universities of Peru.

# RESPONDEULIMA<sup>✶</sup>

CENTRO DE SOSTENIBILIDAD

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