



S C I E N C E & I N N O V A T I O N
S U M M I T
L A T I N A M E R I C A 2 0 2 2

Friday, September 30, 2022
10:15 – 18:20
Main Building, Room 01-012

Saturday, October 1, 2022
10:00 – 15:30
SQUARE, Rooms 11-0101 & 11-0111

Online via [Zoom](#)

SCIENCE & INNOVATION SUMMIT LATIN AMERICA 2022

Innovation rises from forward-looking projects and exchange between creative minds, from new and agile ways of learning and thinking. According to the Economic Commission for Latin America and the Caribbean (Cepal 2022), science, innovation, knowledge, and digital technologies can play a fundamental role in the growth potential, social inclusion, and environmental sustainability of the Latin American region, particularly in the context of a pandemic world. Switzerland is ranked as the most innovative country in the world and offers an excellent substrate for fostering science, innovation, and collaboration with the expanding scientific networks in the Latin American region.

Leta & Araujo (2021) observe that the inequalities among continents reveal a tendency of global division: producers of knowledge and technology on one side (north) and consumers on the other (south). However, the most recent Ibero- and Inter-American report of the Network for Science and Technology Indicators demonstrates that, although the Latin American region only has 3.7% of the world's researchers (ten times less than Europe), investments in science and technology increased almost 40% from 2009 to 2018 (RYCIT Report 2020). Brazil, Mexico, and Argentina are responsible for the largest proportion of Latin American scientific publications, mainly devoted to the field of biological and medical sciences, with a low share of foreign co-authors (UNESCO Report 2019). The region is diverse in all sectors, including Science & Technology, and is developing strategies to overcome social and economic inequalities as well as assuming the role of active knowledge producers.

The summit, besides providing a panoramic view of small and bigger initiatives, aims to open up interesting contacts and face-to-face discussions with established and rising scientists from Switzerland and Latin America. Moreover, it will encourage scientific productivity by detecting drivers of innovation, new impulses, and ideas as well as alternative pathways to bilateral or binational modes. The stimulation of public-private interaction for knowledge transfer between Latin America and Switzerland can yield excellent outputs.

This is the first of two Science & Innovation Summits planned by the Leading House for the Latin American Region at the University of St. Gallen; the next one will take place in 2024. The event will present multidisciplinary research talks, panel discussions and a world café to deep dive into the most pressing issues in the region, drawing on experts from Life Sciences, Engineering, Maths, Art, Humanities, and Business. The Leading House network will present the state of the art and funding instruments as well as showcase Swiss policies and institutions that work together with Latin American researchers. Topics during these two days will include: STEM, business and environment, academic diasporas and brain drain, startups and new technologies, sustainability, social innovation, smart cities, circular economy, and clean energy as well as exnovation and the benefits of the visual arts in medicine. We hope to offer a transdisciplinary space for inquiry and analysis of the dynamics of science and technology between Switzerland and the Latin American region.



Leading House for the Latin American Region

FRIDAY, SEPTEMBER 30, 2022

Introduction – Science & Innovation in the Latin American Region	
10:15 – 11:00	Yvette Sánchez , University of St.Gallen, Leading House for the Latin American Region Rocío Robinson , University of St.Gallen, Leading House for the Latin American Region <i>Introduction</i>
	Mirko Giulietti , Federal Department of Foreign Affairs (EDA) <i>Foreign Policy Strategy for Latin America</i>
Institutions, Policies, and Instruments for Science & Innovation between Switzerland and Latin America	
11:00 – 12:00	Maria Peyro Voeffray , State Secretariat for Education, Research, and Innovation (SERI) <i>Science and innovation cooperation between Switzerland and Latin America: What is the role of the Federal Government?</i>
	Malin Borg , Swissnex in Brazil <i>Instruments of Swiss-Brazilian collaboration in education, research and innovation</i>
	Bruno Aloï , Switzerland Global Enterprise <i>S-GE and the Swiss Export promotion in Latin America</i>
	Q&A
12:00 – 13:15	LUNCH BREAK
Medicine & Art	
13:15 – 13:50	Juan Sánchez Ramos , University of South Florida <i>online</i> <i>Designs of a Neurologist: Integration of Art and Science</i>
13:50 – 14:30	Irène Hediger , Zurich University of the Arts (ZHdK) <i>Side Effects Welcome! - Art, Science & Medicine Collaborations</i>
	Pedro-Manuel Marqués-Vidal , Lausanne University Hospital (CHUV) <i>Nutrition and COVID-19: from yodel to bossa-nova</i>
	Q&A
Exnovation, Clean Energy, and Circular Economy	
14:30 – 15:30	Jessica Mesman , Maastricht University <i>Let's out of the box, let's ex-novate</i>
	Cristina Domínguez , Swiss Federal Laboratories for Materials Science and Technology (EMPA) <i>Development of a framework to accelerate clean energy access solutions in Central America</i>
	Edwin Zea Escamilla , Swiss Federal Institute of Technology in Zurich (ETH) <i>How Sustainable is Circular? Environmental and Economic Life Cycle Assessment of circular use of excavation materials</i>
	Q&A
15:30 – 16:00	COFFEE BREAK
Science, Technology, Engineering, and Mathematics (STEM)	
16:00 – 16:20	Artur Avila , Fields Medal Winner 2014, University of Zurich
16:20 – 17:00	Guillermo Anlló , UNESCO Montevideo <i>online</i>
	Daniella Laureiro Martínez , Swiss Federal Institute of Technology in Zurich (ETH) <i>Cognition and Adaptation: Learning from Social Innovators</i>
	Véronique Michaud , Swiss Federal Institute of Technology in Lausanne (EPFL) <i>Plastics, Composites, and Circular Economy</i>
	Q&A
Latin American Input: from Microtechnology to Vaccines	
17:00 – 18:10	Paola Vega Castillo , Former Minister of Science, Innovation, Technology, and Telecommunications of Costa Rica and Full Professor at the Instituto Tecnológico de Costa Rica, <i>online</i>
	Manuel Elkin Patarroyo , Robert Koch & Príncipe de Asturias Award <i>A chemically made vaccine against malaria</i>
	Q&A
18:10 – 18:20	Philippe Nell , Honorary Ambassador, Swiss-Latin American Chamber of Commerce <i>Wrap-up</i>
18:20 – 19:00	APÉRO RICHE

SATURDAY, OCTOBER 1, 2022

Roundtable Business & Environment: Coca, Tobacco, Cacao, and Lithium

- 10:00 – 11:00 **Thomas Grisaffi**, University of St.Gallen
What happens when coca cultivation is legalized? Ethnographic insights on coca and cocaine production from Bolivia and Peru
- Ilana Berlowitz**, University of Zurich / University of Bern
Tobacco – poison or medicine? Clinical research and LA transdisciplinary exchange on Indigenous Amazonian applications of tobacco as medicinal plant
- Isabelle Schlupe Campo**, School of Management, Fribourg
Embeddedness and sustainability impacts by the private sector: the case of cocoa production in Colombia
- Jonas Köppel**, Graduate Institute Geneva (IHEID)
Lithium negotiations between South America and Europe: Towards a network and research agenda for a sustainable and just energy transition

Q&A

How To Stimulate More Science & Innovation Through Startups and New Technologies

- 11:00 – 11:45 **João Silveira**, IFP Graduate Engineering School, *online*
Creativity and Entrepreneurship: beyond the university walls
- Maria Hahn**, Nutrix
Moving digital health forward in Latin America
- Enrico Scoccimarro**, FenX
FenX – Buildings reborn from Ashes
- Beatriz Gasparini**, Acqua Inova
Acqua Inova

Q&A

11:45 – 12:00 **COFFEE BREAK**

WORLD CAFÉ – International Talent, Diasporas, and Brain Drain

- 12:00 – 13:00 **Leticia Vargas**, Leading House for the Latin American Region
Brazilian Researchers' Network in Switzerland
- Rocío Robinson**, Leading House for the Latin American Region
Latin American Research Networks in Switzerland (ICES, RedMX, APAIS)
- Pedro Romero**, Asociación Colombiana de Investigadores en Suiza
ACIS
- Eliette Restrepo**, Roche
The Dilemma of Scientific Migration

Discussion

13:00 – 14:15 **LUNCH BREAK**

Social Innovation, Smart Cities, and Sustainability

- 14:15 – 15:15 **Rosa Aragão Börner**, Nestlé / Organization for Women in Science for the Developing World (OWSD), *online*
Microbiology for improving food nutrition and sustainability
- Tomás Araneda**, SÉ-Santiago Smart City, *online*
Smart Cities in Chile: Challenges and Opportunities for the 21st Century
- Eduardo Wills Herrera**, Universidad de los Andes, Colombia *online*
Social innovation in a post-conflict society for sustainable development

Q&A

- 15:15 – 15:30 **Philippe Nell**, Honorary Ambassador, Swiss-Latin American Chamber of Commerce
Wrap-up

CAMPUS MAP

01 Hauptgebäude Main Building	09 Bibliotheksgebäude Library Building	34 Varnbuelstr. 19 – Skriptenkommission Script Commission	51 Unterer Graben 21*
02 Aula	10 Sporthalle Sports Hall	35 Gatterstr. 1	52 Müller-Friedberg-Str. 6/8*
03 Parkgarage A Car Parking A	11 SQUARE	36 Gatterstr. 3 – Sprachenzentrum Language Center	56 Guisanstrasse 36 Werner-Siemens-MLE-Haus
04 Dufourstrasse 48	14-17 Weiterbildungszentrum Holzweid* Executive Campus HSG	37 Guisanstr. 7 – HSG Alumni HSG Alumni	58 Tellstrasse 2*
05 Varnbuelstrasse 16	20 Provisorium 1 – Büro Provisional 1 – Offices	38 Gatterstrasse 9 – Kinderhort Creche	61 Rosenbergstrasse 30*
06 Kirchhoferhaus	22 Provisorium 3 – Lehre Provisional 3 – Teaching Facilities	39 Guisanstrasse 1a	62 St. Jakob-Strasse 21*
07 Sapelli University Restaurant	23 Lehr-Pavillon Classroom Pavilion	40 Guisanstr. 9 – Studentenschaft Student Union	
08 Dienstgebäude Service Building	24 Zentrales Institutsgebäude Central Institute Building	41 Guisanstrasse 11	
	25-29 Bodanstrasse 1-8		

* je ca. 10-15 Gehminuten ausserhalb des Campus

- Bushaltestelle
Bus stop
- Warenanlieferung
Delivery of goods
- Information
Info Desk
- Invaliden-Parkplätze
Disabled Parking
- Fahrradständer
Bike Rack
- Parkplätze
Car Park
- Mobility Car Sharing

Universität St.Gallen

01 Main Building, Room 01-012

11 SQUARE 11-0101 + 11-0111

The Science & Innovation Summit is free of charge and open to the public.

If you wish to attend, please email us at leadinghouse@unisg.ch by **September 21, 2022**, and kindly indicate your participation in the various activities as requested on the [website](#).

If you wish to register for online attendance, please use the following [Zoom link](#). All the information concerning this Summit is available at www.cls.unisg.ch.



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