

VIPLATAM

VIP Latin American
Bootcamp Challenge 2022

Lessons learned promoting
multi-site collaboration among
Latin American VIP sites



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The experience...



VIP TEAM:

Helena Cancelado

Faculty, College of Engineering

Andrés Navarro

Faculty, College of Engineering

+ 2 VIP courses (30 students from 2 undergraduate programs)



UNIVERSIDAD
DE CHILE

VIP TEAM:

Cristian Celedón

VIP@Uchile Coordinator

Massimiliano Farris

Faculty, College of Architecture and Urbanism

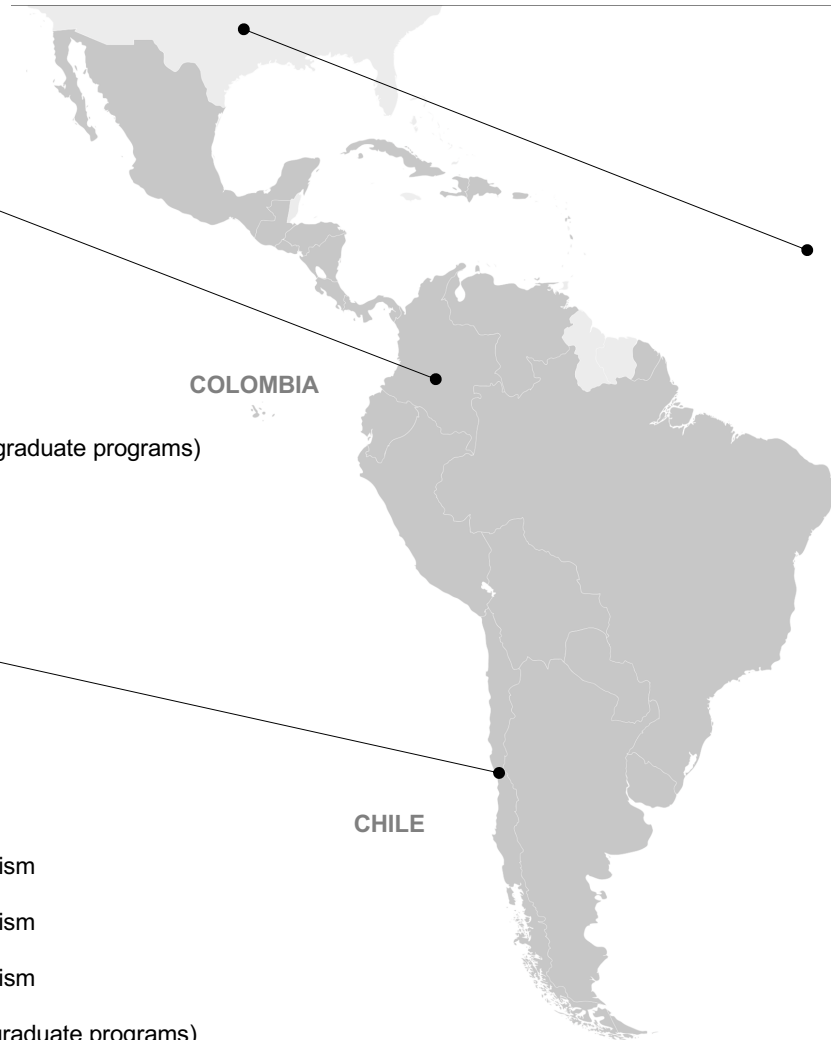
Lorna Lares

Faculty, College of Architecture and Urbanism

Gabriel Felmer

Faculty, Colelge of Architecture and Urbanism

+ 1 VIP course (30 students from 3 undergraduate programs)



Edward Coyle

Director VIP Consortium

Paula Gómez

LATAM Coordinator VIP Consortium

Bootcamp overview

BOOTCAMP
**VERTICALLY INTEGRATED
PROJECTS LATAM**
**DESAFÍO
CHILE – COLOMBIA**

Equipos de estudiantes de pregrado y docentes VIP (Vertically Integrated Projects) de las Universidades de Chile e ICESI de Colombia resolverán desafíos territoriales para las ciudades de Cali y Santiago. Serán 4 horas intensivas de trabajo simultáneo, donde los equipos deberán utilizar sus competencias de innovación y creatividad para proponer soluciones ante comisiones expertas de ambos países. Esta jornada es parte del Consorcio Internacional VIP, impulsado por Georgia Institute of Technology (Estados Unidos).

Sábado
05 de noviembre
JORNADA AM
Facultad de Arquitectura
y Urbanismo - U. de Chile
Facultad de Ingeniería y Diseño,
Universidad ICESI

Impulsan:

Colabora:

Más Información: cceledon@uchile.cl

BOOTCAMP
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The experience in a nutshell...

1. Two VIP teams from each university (6 faculties and 60 students in total from Chile and Colombia) participating simultaneously over a one-day session in hybrid mode (November 5, 2022). Each team used a classroom prepared for this activity with all the necessary materials and technology (for online meetings).
2. Their mission was to propose actions to address the environmental decline that affects commune 22 of the city of Santiago de Cali (Colombia) and the water scarcity in communes of the eastern sector of the capital city of Santiago (Chile). Each team worked on the challenge of the other country. They have 5 hour to address the challenge.

The experience in a nutshell...

Simultaneous agenda

Atlanta		Hora Chile	Actividades Equipo Universidad de Chile	Hora Colombia	Actividades Equipo Universidad ICESI
9:00	10:00		Inicio / Bienvenida Julia M Sonnenberg-Klein, Asst Dir-VIP Programs Georgia Tech (en inglés) Entrega de desafío a equipo CHILE Unirse a la reunión Zoom https://us02web.zoom.us/j/8566622669	8:00	
9:30	10:30		Entrevista con especialista colombiano: Dr. Andrés López Astudillo, Especialista en Sostenibilidad / Académico, Universidad ICESI (Ingeniería) Unirse a la reunión Zoom https://us02web.zoom.us/j/81193328531	8:30	
10:00	11:00		Matriz de Problematización. Utilización de plantilla Matriz 1. Análisis de causas, efectos y agentes involucrados	9:00	Inicio / Bienvenida Julia M Sonnenberg-Klein, Asst Dir-VIP Programs Georgia Tech (en inglés) Entrega de desafío a equipo COLOMBIA Unirse a la reunión Zoom https://us02web.zoom.us/j/87135014565

Atlanta		Hora Chile	Actividades Equipo Universidad de Chile	Hora Colombia	Actividades Equipo Universidad ICESI
10:30	11:30				Entrevista con especialista chileno: Dra. María Cristina Fragkou, Científica / Académica, Universidad de Chile (Geografía) Unirse a la reunión Zoom https://us02web.zoom.us/j/84791056724
11:00	12:00		Encuentro e intercambio de ideas entre equipos Chile – Colombia (conexión simultánea) Unirse a la reunión Zoom https://us02web.zoom.us/j/83577977903		Encuentro e intercambio de ideas entre equipos Chile – Colombia (conexión simultánea) Unirse a la reunión Zoom https://us02web.zoom.us/j/83577977903
11:30	12:30		Diseño de propuesta de abordaje. Utilización de plantilla Matriz 2. Diseño de soluciones y planteamiento de propuesta de valor integrada.		Matriz de Problematización. Utilización de plantilla Matriz 1. Análisis de causas, efectos y agentes involucrados.
12:00	13:00				
12:30	13:30		Panel de presentación de propuesta -Paula Gomez, Senior Research Engineer GaTech -Leonardo Jarama, Académico, Universidad ICESI -Por confirmar Unirse a la reunión Zoom https://us02web.zoom.us/j/89044352318		Diseño de propuesta de abordaje Utilización de plantilla Matriz 2. Diseño de soluciones y planteamiento de propuesta de valor integrada.

Atlanta		Hora Chile	Actividades Equipo Universidad de Chile	Hora Colombia	Actividades Equipo Universidad ICESI
13:00	14:00		Cierre		
13:30	14:30				Panel de presentación de propuesta -Paula Gomez, Senior Research Engineer GaTech -Pedro Soza, Académico Universidad de Chile -Por confirmar Unirse a la reunión Zoom https://us02web.zoom.us/j/87528241058
14:00	15:00				Cierre

1. Bootcamp welcome (Meet the Challenge)
2. Interviews with experts (from Chile and Colombia)
3. Working over the Problem Matrix (Matrix 1)

4. Hybrid meeting between Chilean and Colombian teams
5. Drafting of the proposal (Matrix 2)
5. Projects presentations (International commission)

Ed Coyle welcome from Atlanta



Students and faculties working



Final presentation



Meeting with international experts



Analyzing the challenge



Certification



The experience in a nutshell...

Bootcamp Matrix

BootCamp VIP LATAM 2022: (1) Matriz de problematización



Problema:					
	Causas	Consecuencias Efectos	Actores Involucrados y sus intereses y/o roles		
			Sociedad Civil, Ues Individuos, ONG	Sector Privado, Empresas	Administración Pública
1		→			→
2		→			→
3		→			→
4		→			→
5		→			→



Matrix 1

BootCamp VIP LATAM 2022: (2) Matriz de soluciones



Problema:			
	Solución (Viable, factible, deseable)	Actividades, participantes y recursos claves	Propuesta de valor (Solución Integrada)
			1
2	→	→	
3	→	→	
4	→	→	
5	→	→	



Matrix 2

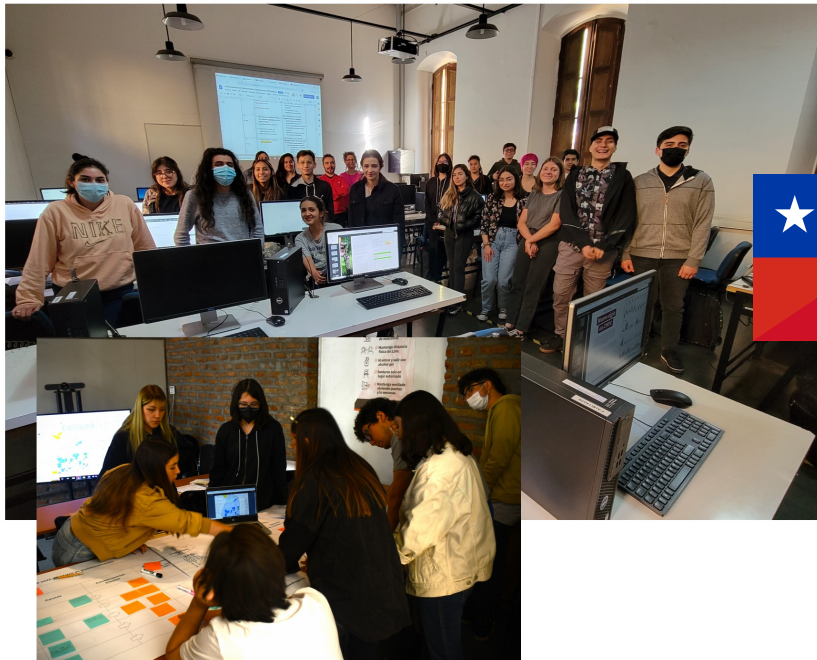
The experience in a nutshell...

3. During the Bootcamp, students and faculties had several meetings with experts in innovation and sustainability from Chile and Colombia. The experts acted as technical mentors during the activity. Also, the students had the opportunity to meet each others.
4. At the end of the Bootcamp, both teams presented their proposals separately to an international committee of scholars from ICESI, Universidad de Chile, Georgia Tech and other local institutions from each city (NGOs experts, third sector members and practitioners from local city halls).

Bootcamp Outcomes

Chile – VIP@UChile

The Chilean team presented their vision of a single university campus for ICESI as a project integrated with its environment and community. Their proposal allowed the reduction of vehicular fluxes while developing a sustainable housing policy for the area focused on preventing urban expansion



Colombia – VIP@Icesi

The Colombian team presented a program for regulating and monitoring water consumption at the communal level. Their proposal considered a partnership with the sanitation company that manages water services. They also stated the use of Smart Contracts and Smart Properties in their submission to optimize the water cycle.

Bootcamp findings, ideas and conclusions

Relevance: why we believe it is beneficial to scale it...

- Students and faculties can solve real challenges in an international scenario, thanks to the VIP multi-site collaboration.
- The multi-site partnership could increase the motivation of faculties to create VIP courses.
- Due its characteristics, the Bootcamp model is quite appropriate and flexible to design multi-site activities in different scenarios.
- Students show motivations participating in this type of challenges.

VIP Consortium
Vertically Integrated Projects

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VIP Teams from Universidad de Chile and ICESI Participate in an International Bootcamp Challenge within the Vertically Integrated Projects Program

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Nov 21, 2022

In an intense day of work, students and faculty members of the College of Architecture and Urbanism at the University of Chile and from the Faculty of Engineering and Design of the ICESI University of Colombia took part in the first version of the VIP Latin America Bootcamp Challenge. The Teaching and Learning Center at the College of Architecture and Urbanism at the University of Chile developed and organized the event in collaboration with ICESU University, the Vertically Integrated Projects International Consortium and the Georgia Institute of Technology. Dr. Edward Coyle welcomed students and faculty members in the consortium's name. He pointed out that this encounter was a unique milestone in the consortium's history.

Professor Massimiliano Farris (Geography), with the collaboration of professors Loma Lares (Design) and Gabriel Falmer (Architecture), led the Chilean VIP team. Teaching assistant Silvana Cuevas and monitor Moyra Allende are also part of the team with the students of the course "Sustainability



What's coming (our proposal)...

- Create a 'VIP Bootcamp model' open to all Consortium members(Guidelines and structure to scale it).
- Promote or extend VIP multi-sites work, using this shared model:
 - 1 day-based problem-solving world Hybrid bootcamps, with 2 or more VIP sites involved, working under UN Sustainable Development Goals and focused on real local problems of each country/city).
- Create VIP-sites portfolio of projects, specialists and topics, in order to facilitate the matching of bootcamp partnerships within the Consortium members.
- Mapping the status quo of VIP courses and VIP professors globally and categorize VIPs (e.g., by research, by media connection, MoU, other), in order to have a data base to find multi-site partners.

VIP Vertically
Integrated
Projects

Bootcamp.



5 hours.



1 Challenge.

VIP

**2 or +
VIP Sites.**

VIP

Vertically
Integrated
Projects

Bootcamp.