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United Cities and Local Governments
Universidad Politécnica de Madrid
Université de Technologie de Compiègne
Politecnico di Torino
Aalborg University
University of Antwerp

Latin American Partners

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Universidad Autónoma de Nuevo León
Universidad de Guanajuato
Universidad del Rosario
Universidad Tecnológica de Pereira
Universidad Simón Bolívar
Universidad Metropolitana
Universidad de Lima
Universidad del Pacífico
Universidade Federal do Rio de Janeiro
Universidade Federal de Santa Catarina

Associated Partners

Columbus Association

CITYLAB

Engaging students with sustainable cities in Latin America

Report Citylab Conference 'PBL 4 Sustainable Cities'
18.09.2018 - 21.09.2018

Content

Introduction

The final activity of the Erasmus+ KA2 project "Citylab – Engaging students with sustainable cities in Latin America" was the conference "PBL for Sustainable Cities" hosted by Universidad del Rosario in Bogota from the 19th until the 21st of September 2018.

The Citylab conference was held to disseminate insights and stimulate academic discussion on Problem Based Learning methods. A broad range of researchers and teachers from both European and Latin American higher education institutions participated to share their ideas and experiences on PBL. At the same time the goal was to expose the work of the students involved in the CITYLAB modules. Students got selected to take part in the student competititon and exposed their projects during a student fair. An international jury of academics and professionals selected a winning student team.

Participants

Citylab partner institutions (staff and students):

Universidade Federal de Santa Catarina
Universidad de Belgrano
Universidad Nacional de Córdoba
Universidad Autónoma de Nuevo León
Universidad de Guanajuato
Universidad del Rosario
Universidad Technológica de Pereira
Universidad Simón Bolivar
Universidad Metropolitana
Universidad de Lima
Universidad del Pacífico
Universidade Federale do Rio de Janeiro

University of Antwerp
Universidad Politécnica de Madrid
Politecnico di Torino
Université de Technologie de Compiègne
Aalborg University
United Cities and Local Governments

External institutions:

Columbus Association
Universidad Nacional de Colombia
Universidad de la Sabana

External experts:

Maguire Terry	National Forum for the Enhancement of Teaching & Learning, Ireland
Van den Berg Rogier	UN-Habitat Urban Planning and Design Lab
Rossbach Anaclaudia	Brasil and Cities Alliance Latin America
Arvizu Carina	Gobierno del Distrito Federal Mexico
Yamil Claudio	Urban Development Commission of Mercociudades, Buenos Aires
Yovani Jimenez	Former Urban Planning responsible of Bogota

See Annex I for complete participant list

Conference program

	Citylab Conference: PBL 4 Sustainable Cities		
	WEDNESDAY 19.09.18	**THURSDAY 20.09.18**	**FRIDAY 21.09.18**
7:45	Registration		
8:30	Opening speeches & Introduction		
9:00		Introduction	Introduction
9:15	Keynote Erik de Graaff	Keynote Terry Maguire	Keynote Rogier Van den Berg
9:30	Aalborg University	National Forum for the Enhancement of Teaching and Learning	Urban Planning and Design Lab UN-Habitat
10:00	Coffee Break	Coffee Break	Coffee Break
10:30	Parallel sessions / Focus groups Students	Parallel sessions / Preparing Student Fair	Parallel sessions
11:00			
11:30			
12:00			
12:30			
1:00	Lunch	Lunch	Lunch
1:30			
2:00	PBL Experiences in Latin America	Official opening Student Exhibition	Project Evaluation (Columbus)
2:30	World Kashba	Parallel sessions / Student Fair / Focus groups Teachers	
3:00			Closing event
3:30			Conlusions all sessions
4:00			Student Competition Award
4:30			
5:00			Closing reception
5:30			
6:00	End of Day 1	End of Day 2	End of Day 3

Agenda Citylab Conference 'PBL 4 Sustainable Cities' **DAY 0** 18.09.2018 **PROJECT TEAM MEETING** *(Only Citylab Project Leaders)*	
WELCOME	
08:00-09:30	**Breakfast at Universidad del Rosario**
09:30-10:30	**Campus tour**
10:30-12:30	**Free time**
CITYLAB PROJECT TEAM MEETING	
12:30-02:00	**Lunch & Registration**
02:00-02:15	**Welcome & Introduction**
02:15-03:45	**Final Evaluation** • Online training • Expert visits • Citylab Modules
03:45-04:00	**Break**
04:00-05:00	**Project management** • Reporting • Staff costs • Financial audit
05:00-07:00	**Focus groups with project leaders (by Columbus)**
07:00	**Dinner with all project team leaders**

Agenda Citylab Conference 'PBL 4 Sustainable Cities'
DAY 1 19.09.2018

OPENING EVENT (Claustro Aula Máxima)				
07:45-08:30	**Registration**			
08:30-09:15	**Opening Speeches** Welcome by University of Rosario Introduction by Tom Coppens			

KEYNOTE SPEAKER (Claustro Aula Máxima)				
09:15-10:00	**Erik de Graaff** Problem Based Learning expert (Aalborg University)			
10:00-10:30	Coffee Break			

PARALLEL SESSIONS (Torre 2)

10:30-01:00	Focus groups Students (Selected by Columbus)	**Session 1A (Torre 2, Salón 601)** **PBL and other innovative learning methods** Moderator: Andrés Valderrama (AAU)	**Session 1B (Torre 2, Salón 1001)** **PBL and other innovative learning methods** Moderator: Erik de Graaff (AAU)
		"PBL Collaborative and cumulative dynamics towards urban sustainable environments" *Fernandez Mónica, Orduna Martín, Bonvecchi Liliana, Brignone Mabel, Carbone Carolina, Constantinidis Bárbara (Universidad de Belgrano)*	"Academic performance of students of urban design, applying traditional teaching versus PBL" *Lara Luis, Ornes Sandra (Universidad Simón Bolívar)*
		"An experience of PBL in the learning of urban planning. Chair of Urbanism IIA, FAUD, UNC, Argentine Republic" *Sánchez Mónica, Cebrián Victoria, Ruiz Jorge, Torres César, Repiso Luciana (Universidad Nacional de Córdoba)*	"PBL, an innovative learning tool for Urban Planning teaching? Advantages and limitations for its application in undergraduate teaching in the Spanish context" *González Isabel (Universidad Politécnica de Madrid)*
		"A PBL experience: the real problem of improving the economic and cultural value of urban and architectural heritage" *Fregonara Elena, Curto Rocco, Barreca Alice, Rolando Diana (Politecnico de Torino)*	"Developing a teaching methodology: from intuition to PBL" *Vella Marina (Universidad de Lima)*
		"Transdisciplinary education through a solar house" *Kós José, Jordão Maísa (Universidade Federal de Santa Catarina)*	"Influence of PBL strategies in the transformation of teaching and learning in University of Rosario, Bogotá" *Alfonso William, Tocora Milena (Universidad del Rosario)*

01:00-02:00	Lunch Break			

PBL EXPERIENCES IN LATIN AMERICA: World Kashba (CASUR)

02:00-06:00	**Table 1: Teaching strategies (CASUR 304)** Moderator: Heilyn Camacho, Erik de Graaff Rapporteurs (students): Nicolás Elias Barbosa (UL) Luis Cano (UP) Nathalia Kochem (UFRJ) Maísa Deghaidi Jordão (UFSC)	**Table 2: Evaluation (CASUR 305)** Moderator: Terry Maguire, Jesús Ariza Cera Rapporteurs (students): Andrea Aguero, Luciana Repiso (UNC) Sebastian Juan Rocca (UB) Natalia Puerto (UR) Jenny Loreno Ladino Mendez (UTP)	**Table 3: Design and implementation strategies (CASUR 315)** Moderator: Andrés Valderrama, Johan De Walsche Rapporteurs (students): Víctor Pérez, José Dos Reis (UM) Giselle Rubio, Isabel Mieres (USB) Aurélie Ligon (UA), Marcos Domingo Reyna Matienzo (UTC)	**Table 4: Working with external actors and real life problems (CASUR 411)** Moderator: Daniel Samoilovich, Fernando Santomauro Rapporteurs (students): Padilla Zaragoza Moises, Flores Mendoza Ruzaani (UG) Ana Lucía Besnier Navarro (UANL) Jolien Kramer (UA), Francisco Javier Torres Solar (UPM)
06:00	**End of Day 1**			

Agenda Citylab Conference 'PBL 4 Sustainable Cities' DAY 2 20.09.2018		
KEYNOTE SPEAKER (Claustro Aula Máxima)		
09:00-09:15	**Introduction (Claustro Aula Máxima)**	
09:15-10:00	**Terry Maguire** Director National Forum for the Enhancement of Teaching and Learning	
10:00-10:30	Coffee Break	
PARALLEL SESSIONS (Claustro Aula Máxima)		
10:30-01:00	**Session 2A (Torre 2, Salón 601)** **PBL: Collaborative process with external actors** Moderator: Sandra Ornes (USB)	**Session 2B (Torre 2, Salón 1001)** **Implementation of PBL to different scales of intervention** Moderator: José-Miguel Fernandez (UPM)
	"PBL methodology: Linkage between the university and urban actors in the face of sustainability problems" *Frontado Yazenia, Guaimaro Yuherqui, Flores María (Universidad Metropolitana)*	"Comprehensive evaluative perspective of PBL on the learning-teaching process of Architecture in the Simón Bolívar University" *Mena Aliz, Dorbessan Bernardo, Micucci Franco (Universidad Simón Bolívar)*
	"An interdisciplinary PBL capstone course for Management Sciences: The challenges of its design and implementation" *Heller Vanessa, Nuñez-del-Prado Miguel, Weston Juan, De la Torre Ugarte Daniel (Universidad del Pacífico)*	"Plan4CuRe : cultural resilience as a base for engaging students in bottom-up development, the case of Mariënburg" *De Walsche Johan, Goethals Marleen, Heirman Sigrid, Laporte Dirk (University of Antwerp)*
	"Integrating disciplines on PBL at the Autonomous University of Nuevo Leon" *Aparicio Carlos, Zapata Amanda, Hinojosa Karen (Universidad Autónoma de Nuevo León)*	"PBL for sustainable cities, an experience in the initial level of architecture teaching" *Marengo M. Cecilia, Bonaiuti Carla, Sicoli Mara, von Lücken Claudia (Universidad Nacional de Córdoba)*
	"It Takes Two to Tango. Modalities and benefits of the collaboration between universities and local governments" *Samoilovich Daniel, Henao Kelly (Columbus Association), Sara Hoeflich (United Cities and Local Governments)*	"Interdisciplinary and PBL in the UTP- Colombia experience" *Quintana Ana (Universidad Nacional de Colombia), Tibaquirá Juan (Universidad Tecnológica de Pereira), Giraldo Lucero (Curaduría 1 Dosquebradas)*
	"Human and nature dynamics through collaborative data and integrative process" *Mangrich Camila, Peña Carolina, Kós José (Univiversidade Federal de Santa Catarina)*	"The PEAMA Sumapaz. A pedagogical contribution for an ecological and sustainable relationship in rural Bogota" *Gaitán-Albarracín Nicolás, Cepeda Valencia Juliana (Universidad Nacional de Colombia*
01:00-02:00	Lunch Break	
STUDENT PROJECT FAIR (Claustro, Patio Principal)		
02:00-02:30	**Official opening Student Project Fair**	
PARALLEL SESSIONS (Torre 2)		
02:30-04:00	Focus groups Teachers (Selected by Columbus)	**Session 3A (Torre 2, Salón 601)** **PBL International expert experiences** Moderator: Rosario Gomez (UP) · **Session 3B (Torre 2, Salón 701)** **PBL International expert experiences** Moderator: Denise Pinheiro (UFRJ)

Focus groups / Session 3A / Session 3B details:

	Session 3A	Session 3B
	"World Café as a participatory approach to facilitate the implementation process of PBL" *Camacho Heilyn, Valderrama Andrés (Aalborg University), Coppens Tom, Rybels Stijn (University of Antwerp)*	"3D models as a multidisciplinary researching and learning tool" *Kós José, de Oliveira Lucas, Pavan Luís, de Oliveira Júlia (Universidad Federal de Santa Catarina)*
	"International collaboration in PBL experience analysis and methodological contribution. A study of accessibility and mobility for UFRJ's campus of the island of 'Fundão'in Brazil" *Flores Hipolito, Morel Gilles (University of Technology of Compiègne)*	"Is the Design Studio always Problem Base Learning? Comparative view among DSL and PBL at Simon Bolivar University" *Soonets Silvia, Olaizola Carlos (Universidad Simón Bolívar)*
	"The Crowdmapping Mirafiori Sud experience (Torino, Italy): an educational methodology through a collaborative and inclusive process" *Coscia Cristina, De Filippi Francesca (Politecnico di Torino)*	"Educational strategies for a positive environmental impact" *Kós José, Filártiga Marila Cesar Pompêo, Karine Daufenbach, Mauricio Mello Petrucio and Claudione Medeiros, UFSC)*
	"Challenges and opportunities for implementing PBL in Latin American universities" *Valderrama Andrés, Camacho Heilyn (Aalborg University), Coppens Tom (University of Antwerp)*	

| 02:30-06:00 | **Student Project Fair open for public** | |
| **06:00** | **End of Day 2** | |

Agenda Citylab Conference 'PBL 4 Sustainable Cities'
DAY 3 21.09.2018

KEYNOTE SPEAKER (Jocky Club, Auditorium)	
09:00-09:15	**Introduction**
09:15-10:00	**Rogier Van Den Berg** Project Manager Urban Planning and Design Lab (United Nations Human Settlements Program, UN-Habitat)
10:00-10:30	Coffee Break

PARALLEL SESSIONS (Torre 2)		
10:30-01:00	**Session 4A (Torre 2, Salón 601)** **Concrete cases and perspectives towards the SDGs:** **Local governments and universities in Latin America** Moderator: Fernando Santomauro (UCLG)	**Session 4B (Torre 2, Salón 801)** **PBL and Sustainable Development Goals** Moderator: Rogier Van Den Berg (UN Habitat)
	"Research and practice, developing housing and cities in Latin America and the Caribbean" *Anaclaudia Rossbach (Brasil and Cities Alliance Latin America)*	"A Mix Strategy for Assessing an Interdisciplinary PBL course" *Gómez Rosario, Nunez-del-Prado Miguel, Prialé Maria (Universidad del Pacífico)*
	"Academy and students: opportunities to diversify the participation of universities and local governments in the construction of the city. Two cases of México City" *Carina Arvizú (Gobierno del Distrito Federal México)*	"Evaluation of the implementation of the PBL methodology in undergraduate courses at the Simón Bolívar University. A scalable experience" *Pujol Lydia, Ornés Sandra (Universidad Simón Bolívar)*
	"Experiences of Planning. University and Local Governments: the case of Buenos Aires" *Yamil Asch (Urban Development Comision of Mercociudades, Buenos Aires)*	"Designing equipment for sustainable cities. Work from the university for specific requirements of the community of Mendiolaza" *Hernández Silvia, Soria Germán, Mercado Mario, Barrionuevo Silvia, Chavez Cristina, Rezk Alejandra, Lanzone Luciana (Unviersidad Nacional Córdoba)*
	"Information and knowledge on the management of Urban Development" *Yovany Jimenez (Former Urban Planning responsible of Bogotá)*	"Implementation of 'Sustainable urban projects' course as a curricular introduction of PBL at the University of Guanajuato, Mexico " *Ortega Norma, Ordaz-Zubia Velia, Molina Adrián, Morales Norma, Puga L. Enrique, Gutiérrez J. Esteban, Alanis León (University of Guanajuato)*
		"PBL in higher education: Methodologies for the technical, social and political evaluation of urban plans under an urban sustainability approach" *Giraud Loraine, Cadenas Gustavo, Guillén Isabel, Medina Oriana (Universidad de Simón Bolívar)*
01:00-02:00	Lunch Break	

CLOSING EVENT (Jocky Club, Auditorium)	
02:00-02:45	**Project Evaluation by Columbus Association**
02:45-03:45	**Conclusions academic sessions** **Conclusions PBL experiences**
03:45-04:00	**Announcement E-book & Special Issue**
04:00-04:30	**Student Competition Award**
04:30-06:00	**Closing reception**
06:00	**Event closed**

Tuesday 18.09.2018 (Project Team Meeting)

Welcome & Introduction

Time	02:00-02:15
Speaker(s)	Tom Coppens (UA)
Presentation	Annex I
Subject	- Welcome - Agenda

Final Evaluation

Time	02:15-03:45
Speaker(s)	Jesus Ariza Cera (Columbus Association)
Presentation	Annex II
Subject	- Final Evaluation methodology - Introduction Focus groups

Project Management

Time	04:00-05:00
Speaker(s)	Stijn Rybels (UA)
Presentation	Annex I
Subject	- Reporting - Staff costs - Financial audit

Focus groups Project leaders

Time	05:00-07:00
Moderators	Daniel Samoilovich, Jesus Ariza Cera
Presentation	Annex IV
Subject	- Project Evaluation

Wednesday 19.09.2018

Welcome Speeches

Time	08:30-09:15
Speaker(s)	Sonia Martínez (URos)
	Tom Coppens (UA)
Presentation	Annex III
Subject	- Welcome
	- Conference program
	- Introduction Keynote speakers

Keynote Speaker

Time	09:15-10:00
Speaker(s)	Erik de Graaff
Presentation	Annex VI
Abstract	Annex VII: ebook p.14-15
Subject	MAKING THE DIFFERENCE: Training responsible engineers with PBL

Session 1A

Time	10:30-01:00
Moderator	Andres Valderrama (AAU)
Speaker(s)	UB, UNC, UFSC, PoliTo
Abstracts	Annex VII: ebook p.40-50
Subject	PBL and other innovative learning methods

Session 1B

Time	10:30-01:00
Moderator	Erik de Graaff (AAU)
Speaker(s)	USB, UPM, UL, UR
Abstracts	Annex VII: ebook p.51-55
Subject	PBL and other innovative learning methods

Focus groups students

| Time	10:30-01:00
Moderator	Daniel Samoilovich, Jesus Ariza Cera (Columbus)
Presentation	Annex
Subject	Project Evaluation

PBL experiences in Latin America: World Kashba

Time	02:00-06:00
Moderators	Andres Valderrama, Johan De Walsche, Heilyn Camacho, Fernando Santomauro, Jesus Ariza Cera, Daniel Samoilovich,
Rapporteurs (students)	Nicolás Elias Barbosa (UL), Luis Cano (UP), Nathalia Kochem (UFRJ), Maísa Deghaidi Jordão (UFSC), Andrea Aguero, Luciana Repiso (UNC) Sebastian Juan Rocca (UB), Natalia Puerto (UR), Jenny Loreno Ladino Mendez (UTP), Víctor Pérez, José Dos Reis (UM), Giselle Rubio, Isabel Mieres (USB), Aurélie Ligon (UA), Marcos Domingo Reyna Matienzo (UTC), Padilla Zaragoza Moises, Flores Mendoza Ruzaani (UG) Ana Lucía Besnier Navarro (UANL), Jolien Kramer (UA), Francisco Javier Torres Solar (UPM)
Themes	Teaching strategies
	Design and Implementation strategies
	Working with external actors and real life problems
	Evaluation

World Kashba

The goal of the World Kashba session is to discuss the PBL experiences and insights from Latin American universities, based on their developed Citylab modules. The aim is to discuss defined questions and share specific experience concerning the different topics.The discussions will be held in 8 smaller groups focusing on 4 themes (2 groups per theme). Each discussion will last up to one hour so every participant has time to discuss all themes through a free-flow of changing groups. Each discussion table will be directed by a moderator who will make sure all questions are addressed and every participant has the opportunity to contribute to the discussion. Selected students will act as rapporteurs during this session. They will take notes, summarize and present the conclusions on the final day of the conference, Friday the 21st of September.
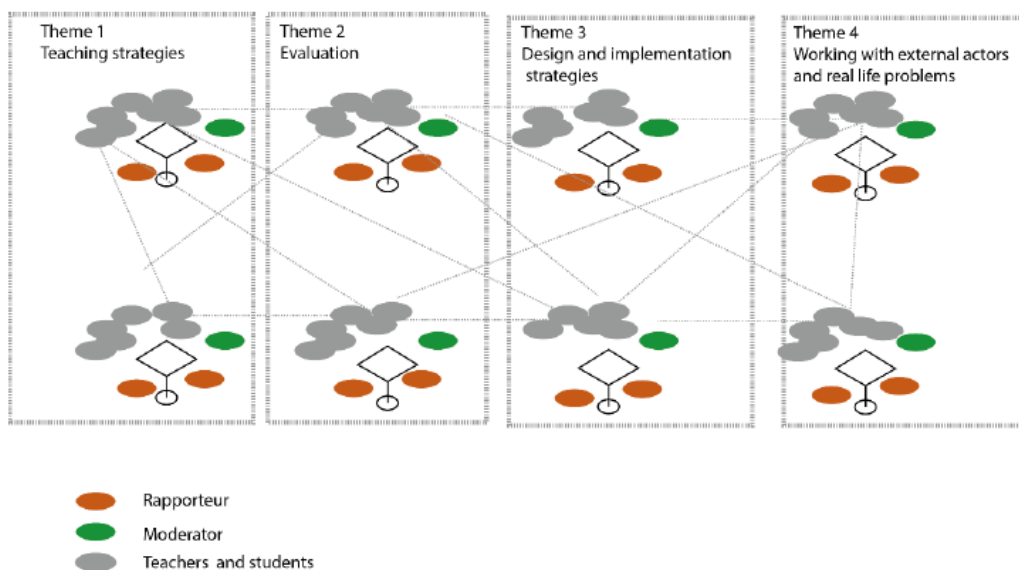
Questions

THEME 1: TEACHING STRATEGIES
How were students coached during the module?
What was the balance between traditional lectures and group discussions?
How did you define the problem? Which barriers were experienced when defining a "good problem" suited for PBL?
How did you motivate students to take the lead in their own learning process?
What type of learning material did you provide / was provided?
How was the learning process of students structured?

THEME 2: EVALUATION
How did you organize feedback to students during the PBL modules?
How did you formulate the evaluation criteria for PBL modules?
How was the students' PBL learning process evaluated?
What information did you need on student performance to ensure an objective and fair evaluation?
What did you do to continuously evaluate whether students acquired the desired competences and knowledge through their learning process?

THEME 3: DESIGN AND IMPLEMENTATION STRATEGIES
Which barriers occurred at institutional level when implementing a PBL course? What did you do to overcome them?
How did you integrate PBL courses in the curriculum? What is the relation with other courses?
Which facilities were needed to allow a PBL course?
How can you upscale your PBL module to other curricula at your institution?

THEME 4: WORKING WITH EXTERNAL ACTORS AND REAL LIFE PROBLEMS
How did you involve external actors in your PBL module?
How was the interaction between local stakeholders and students supported?
How did you keep balance between the pedagogical goals of your PBL module and the expectations of external actors?
How did PBL contribute to a better understanding of real life problems/SDG's?
How were the Sustainable Development Goals addressed in your PBL module

Photos

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Thursday 20.09.2018

Keynote Speaker

Time	09:15-10:00
Speaker(s)	Terry Maguire
Presentation	Annex IV
Abstract	Annex X: ebook p.14-15
Subject	Engaging students and teachers to maximize learning impact

Session 2A

Time	10:30-01:00
Moderator	Sandra Ornes (USB)
Speaker(s)	UNIMET, UANL, Columbus, UP, UFSC
Abstracts	Annex VII: ebook p.56-62
Subject	Collaborative process with external actors

Session 2B

Time	10:30-01:00
Moderator	Jose-Miguel Fernandez (UPM)
Speaker(s)	USB, UNC, UA, UTP, Universidad Nacional de Colombia,
Abstracts	Annex VII: ebook p.63-73
Subject	Implementation of PBL to different scales of intervention

Session 3A

Time	02:30-04:30
Moderator	Rosario Gomez (UP)
Speaker(s)	UA, AAU, UTC, PoliTo
Abstracts	Annex VII ebook p.74-79, p.86-87
Subject	PBL International expert experiences

Session 3B

Time	02:30-04:30
Moderator	Denise Pinheiro (UFRJ)
Speaker(s)	UFSC, USB
Abstracts	Annex VII ebook p. 80-85
Subject	PBL International expert experiences

Focus groups teachers

Time	02:30-04:00
Moderator	Daniel Samoilovich, Jesus Ariza Cera (Columbus)
Presentation	Annex IV

Subject	Project Evaluation

Student Fair

Time	02:00-06:00
Participating student teams	Universidad de Belgrano, Universidad Simón Bolívar, Universidade Federal do Rio de Janeiro, Universidade Federal de Santa Catarina, Universidad del Rosario, Universidad Tecnólogica de Pereira, Universidad de Lima, Universidad del Pacífico, Universidad Metropolitana, Universidad Nacional de Córdoba, Universidad de Guanajuato, Universidad Autonóma de Nuevo León, Universidad Politécnica de Madrid, Université de Technologie de Compiègne and University of Antwerp.
Jury members	Andres Valderrama (AAU), Rogier Van den Berg (UN Habitat), Terry Maguire (T&L), Daniel Samoilovich (Columbus), Fernando Santomauro (UCLG)
Poster presentations	Annex VII: Ebook p.98-137
Videos	check out the student videos here: https://www.youtube.com/channel/UCMLlKMzOEjlo-4Mex0Y4XPQ/videos)

Student fair

The CITYLAB Student fair was dedicated to disseminate and expose the work of the students which they have developed during the Citylab PBL Modules. The fair was open to a wide public of international academics, teachers, students, (local) stakeholders and practitioners in sustainable cities.

Each team presented two posters: one poster demonstrating the learning process of the project and one poster with the results of the project itself. During the fair, the jury passed by each of the student teams to ask questions to clarify different aspects of their project. At the end of the Student Fair the jury selected a winning team based on the evaluation criteria:

1. Learning process (PBL)
2. Interdisciplinary work
3. Collaboration with local stakeholders
4. Sustainable Development Goals

Photos

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Friday 21.09.2018

Keynote Speaker

Time	09:15-10:00
Speaker(s)	Rogier Van den Berg
Presentation	Annex IX
Abstract	Annex VII: ebook p.14-15
Subject	UN-Habitat's Urban Planning and Design Lab; Processes, Problems and Projects.

Session 4A

Time	10:30-01:00
Moderator	Fernando Santomauro (UCLG)
Speaker(s)	Anaclaudia Rossbach, Carina Avizu, Yamil Asch, Yovany Jimenez
Presentations	Annex XVI-XIX
Subject	Concrete cases and perspectives towards the SDGs: Local governments and universities in Latin America

Session 4B

Time	10:30-01:00
Moderator	Rogier Van den Berg (UN Habitat)
Speaker(s)	USB, UNC, UP, UG
Abstracts	Annex VII: ebook p.88-97
Subject	PBL and Sustainable Development Goals

Project Evaluation

Time	02:00 -03:00
Speaker(s)	Daniel Samoilovich (Columbus)
Annex	Annex X
Subject	- Preliminary results of final evaluation

External evaluation plan with accomplished milestones:
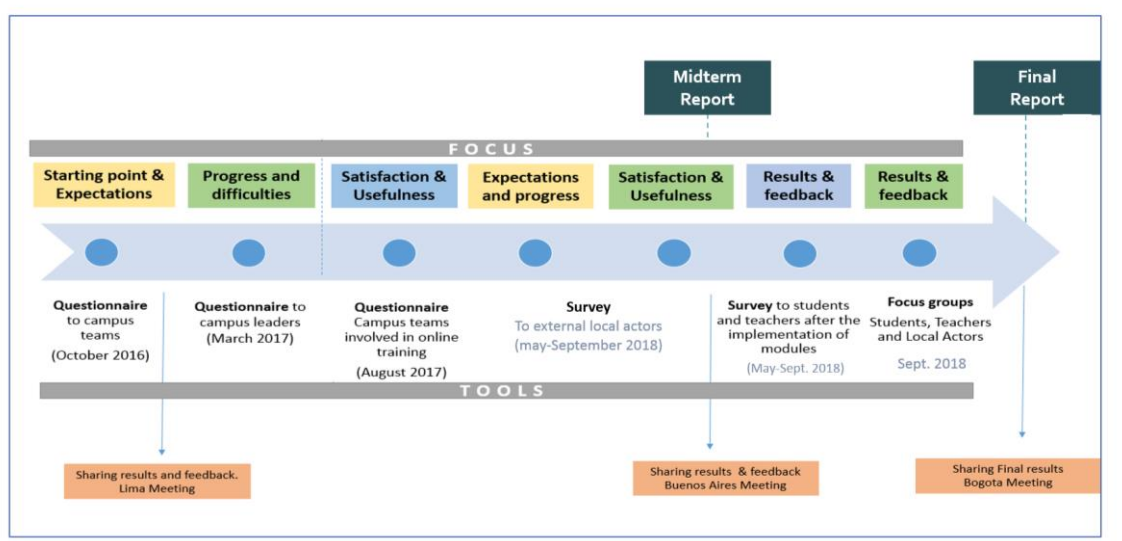
Data collection of final evaluation:

TARGET	NO. OF SURVEY RESPONSES	FOCUS GROUPS	MAIN DIMENSIONS
STUDENTS	197	20	• Learning experience • Skills development • Interaction with local actors • Improvement possibilities
TEACHERS	87	20	• PBL • Skills and motivation • Collaboration with external actors • Interdisciplinary • Benefits and improvement possibilities
LOCAL ACTORS	29	N/A	• Satisfaction • Collaboration with Universities • Students performance • Improvement opportunities
CAMPUS LEADERS	13	17 (EU+LA)	• Institutional results • Collaboration with external actors • Interdisciplinary • Benefits and improvement possibilities

Overall conclusions:

1. Citylab project accomplished the general and specific objectives foreseen in the initial proposal, in a successful way.

2. Number of modules, teachers, and students involved demonstrates the growing expectation to experiment on active learning methodologies in LA universities.

3. The local actors involvement demonstrate the interest to work with the academia. SDG's agenda opens a door for reinforcing initiatives.

4. Project management skills should be reinforced in teacher and students. It's a common necessity.

5. Interdisciplinary was achieved beyond expectations.

6. International cooperation mechanism were scarcely developed during the project. The EU and LA partners should consider further initiatives that could take advantage of the network, such as community of practice.

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Conclusions of World Kashba

Time	03:00 -04:00
Speaker(s)	Student Rapporteurs
Moderator	Tom Coppens (UA)
Annex	Annex XI-XIV
Subject	1. Teaching stragies (annex XI) 2. Design and Implementation strategies (annex XII) 3. Working with external actors and real life problems (annex XIII) 4. Evaluation (annex XIV)

Closing event

Time	04:00-05:00
Speaker(s)	Tom Coppens (UA) Andres Valderrama (AAU)
Presentation(s)	Annex X-XV
Subject	- Announcement E-book & Call for papers Special Issue - Student Competition Award - Closing speech

E-book & Special Issue

All the contributions to the Citylab conference are collected in an E-book. This document contains the abstracts of the research papers presented during the academic sessions as well as descriptions of all the developed Citylab modules and the projects of students who took part in the student competition.

Besides, a Special Issue will be published aiming to collect the best contributions presented at the Citylab Conference, while remaining open to the entire PBL research community, inviting articles that deal with teaching and research within a PBL environment related to sustainability and/or sustainable cities.

The call for papers is now open:
https://journals.aau.dk/index.php/pbl

Imported deadlines:
Jan. 15, 2019: Deadline full articles
April l, 2019: Reviews sent to authors
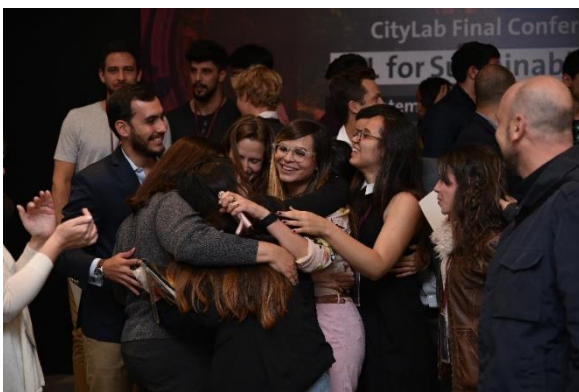June1, 2019: Deadline for revised articles
August 1, 2019: Publication

Student Competition Award

The jury selected winning teams in different categories according to the different evaluation criteria and an overall winner excelling in all categories:

- **Category *Learning Process (PBL)***
  Nominated student teams: Universidad de Belgrano, Universidad Autónoma de Nuevo León, Universidad Politécnica de Madrid, Universidad del Rosario (team 2)
  Winning student team: Universidad Nacional de Córdoba (team 4)

- **Category *Interdisciplinary Work***
  Nominated student teams: Universidad Nacional de Cordoba (team 1), Universidad Guanajuato, Universidade Federal do Rio de Janeiro, Universidad Technologica de Pereira
  Winning student team: Universidad de Lima (team 1)

- **Category *Collaboration with Local Stakeholders***
  Nominated student teams: Universidad Nacional de Córdoba (team 2), Université de Technologie de Compiègne, Universidad Metropolitana, Universidad de Lima (team 2)
  Winning student team: Universidad Simon Bolívar

- **Category *Sustainable Development Goals***
  Nominated student teams: Universidad Nacional de Córdoba (team 3), Universidad del Rosario (team 1), Universidad Federale de Santa Catarina, Universidad del Pacífico
  Winning student team: University of Antwerp

- **OVERALL WINNER: student team of Universidad Metropolitana**

Photos

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