

SBE19 TEMUCO: URBAN PLANNING, GLOBAL PROBLEMS AND LOCAL POLICIES

SUMMARY REPORT FROM REGIONAL SBE CONFERENCE

Dates

- October 16th, 17th and 18th, 2019.

Location

- Catholic University of Temuco, Faculty of Architecture, Arts and Design. Temuco, Chile.

Number of paying attendees

- There was a total of 450 attendees from 20 different countries during the three days of the Conference.
 - 315 were paying attendees.
 - 135 were non-paying attendees (guests, speakers, volunteers, moderators, etc.)

Main themes and sub-themes

- Climate Change and the Built Environment
- Cultural Sustainability
- Public Spaces and Quality of Life
- A Sustainable Approach to Landscape and Infrastructure
- Public Policies Towards Sustainability
- Circular Economy and Resource Management
- Environmentally Efficient Building Materials and Products
- Renewable Energies and Clean Energy / Energy Qualification and Certification
- Education for a Sustainable Development

Plenary keynotes by title and presenter

- Dr. Serge Salat: "Morphology, Cultural Memory and City Design Innovation".
- Juhani Pallasmaa: "Thought and Form: Drawing and Writing Architecture".
- Alberto Foyo: "Housing the Homeless Mind".
- Dr. Luis Valenzuela: "La Planificación como Experiencia de Aprendizaje: Diseño de Escenarios de Desarrollo ante Desigualdades Urbanas en Base a Evidencia".
- Dra. Ana María Durán: "Future Archeologies: Lessons from Pre-Columbian Amazonia".
- Dr. Thomas Lützkendorf: "Sustainability in Building Design and Urban Planning – a system of goals, values and levels to act".
- Iván Cerda: "Araucania: Sustainability Framework for Chile".
- Dra. Cristina Engel & Dr. Luis Bragança: "What if the City was in Antarctica?"
- Dr. Juan José Ugarte: "Ciudades de madera para un planeta sustentable".

- Dra. Nicola Borregaard: “Energía Sostenible para un Entorno Construido Sostenible: Cuándo, cuánto y cómo”.
- Dr. Cristopher Whitman: “El Patrimonio Arquitectónico y La Eficiencia Energética: El reacondicionamiento térmico de los edificios patrimoniales de madera en el Reino Unido”.
- Nils Larsson: “Global and Regional Strategies for the Built Environment under Climate Change”.

Stats

- Number of parallel streams: 6
- Number of paper sessions: 18
- Type of scientific peer review used: double blind peer review
- Number of scientific papers presented: 127
- Number of posters: 0

Related Roundtables

- There were two type of roundtables:
 - Regular roundtables: Sessions of dialogue among keynote speakers and the audience. There were 3 of these sessions (one each day), centered around different overarching topics: climate change, urban planning and local policies.
 - Thematic roundtables by local organizations: Sessions organized by local collaborators that wanted to contribute to the discussion on climate change and the built environment from their own particular standpoint. Details follow on each of these sessions:

Session #1: Heating Systems by District for Cities in Southern Chile: Advances and Projections	
Moderator: Dr. Nicolás Schiappacasse Poyanco (Catholic University of Temuco)	
Participants	Institution
Werner Baier	Independent Consultant in Construction /Chilean Chamber of Construction Representative
Alejandro Mondaca	President of the Araucania Regional Council Environment Commission
Antonio Minte	CEO of the Chilean Biomass Association - AChBiom.
Fernando Peña	Territorial Planning Laboratory, UCT

Session #2: Roadmap Towards Net Zero Emissions in Building	
Moderator: Paola Molina O’Ryan (Chilean College of Architects)	
Participants	Institution
Christopher Whitman	Cardiff University
Yoselin Rozas	Energy Ministry
Bárbara Rodríguez	Universidad de Chile
Carlos Bascou	Chilean Construction Chamber – Construction Institute
María Fernanda Aguirre	Chile Green Building Council
Tatiana Vidal	Chilean College of Architects

Session #3: Sustainable Public Spaces: Temporality, Resilience and Citizen Participation	
Moderator: Sebastián Seisedos (Ministry of National Assets)	
Participants	Organization
Paz Serra Freire	Ministry of Housing and Urbanism - Urban Development Division.
Pablo Allard Serrano	Universidad del Desarrollo
Alejandra Tapia Soto	Construye 2025 CORFO
Sandra Iturriaga Del Campo	Mapocho 42k
Pablo Fuentes Flores	Ciudad de Bolsillo

Session #4: Tools to Ensure Sustainability in Housing and Net Zero Emissions in Building	
Moderator: Fabián Carrasco Wetzel (Ministry of Housing and Urbanism)	
Participantes	Institución / Organización
Klaus Kosiel	Seremi MMA
Marcelo Huenchuñir	PH
Alejandra Schueftan	INFOR
Luciana Misi	Casa Sana Vida Sana
Úrsula Sepúlveda	Casa Sana Vida Sana

Method of communicating outcomes

- Full proceedings of the Conference will be made available soon.

Measures to reduce environmental impact of the event

- Location easily accessible by public transport.
- Free transportation service offered to all attendees between campus and hotels.
- Zero print policy – all material was offered digitally via QR codes that could be accessed by phone or through our website. Free internet service was provided as well.
- No conference bags were produced.
- Catering - no plastic cutlery or bottles were used.

Trajectory Award in Sustainable Construction SBE19 Temuco

- This award recognizes the trajectory of Chilean entrepreneurs and businessmen that have positively impacted the construction sector by promoting and enacting sustainability-related policies and/or values in their respective fields. The award was given to **Mr. Norman Goijberg, Mr. Werner Baier and the Schiele and Berth Company**, for their continued support of sustainability in Chile and the Araucania Region.

Comments

- Academia, the private sector and the public sector were all represented during the Conference. Dialogue was productive and constructive.
- Students showed great interest in the subjects and actively participated during the Conference.
- Certificates of attendance and of participation were sent in digital format to attendees and participants, respectively.
- Six papers were selected as best papers to be inserted into a fast track review by the WSBE20 organizers in order to be considered later in the WSBE20 global conference in Gothenburg, Sweden, 2020.

On behalf of the SBE19 Temuco Organizers:



Marés Sándor Vallespir, Chair of the SBE19 Temuco Conference.