Referent*in

Speaker

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(English version below)

Kurzvita

Andres ist Professor und Forscher für Gebäude, die Umweltdienstleistungen erbringen, für naturbasierte Lösungen und für die biologische Vielfalt im städtischen Umfeld. Seine akademische und wissenschaftliche Arbeit hat dazu beigetragen, Hochschulprogramme, die öffentliche Politik und globale Netzwerke zu Nachhaltigkeit, grünen Städten und lebendiger Infrastruktur voranzubringen. In seiner jüngsten Arbeit über die Schnittstelle zwischen grünen Gebäuden und ihrem städtischen Umfeld zur Einbeziehung naturbasierter Lösungen und der biologischen Vielfalt untersuchte er Methoden zur Bewertung der Ökoproduktivität (Erzeugung von Umweltbeiträgen) im Rahmen der Ökosystemdienstleistungen. Er untersuchte Fälle von ökoproduktiver Architektur zur Bewältigung von Umweltproblemen in Städten in Lateinamerika, Asien und Europa. Er war einer der 20 herausragenden jungen Forscher, die im Rahmen des internationalen Wettbewerbs Green Talents des Bundesministeriums für Bildung und Forschung (BMBF) 2012 ausgezeichnet wurden, und ist Absolvent der Forscherschule der Universität der Vereinten Nationen.
Er hat sich mit lokalen und regionalen Belangen für den Erfolg von begrünten Infrastruktursystemen in Kolumbien und Lateinamerika beschäftigt. Die experimentelle Forschung zu belebten Dächern im Rahmen seines Masterstudiums wurde von der Nationalen Universität ausgezeichnet, erhielt einen Preis im lokalen Davinci-Wettbewerb für technologiebasierte Forschungsprojekte nach dem Studium und wurde als Finalist im Wettbewerb Innovators of America (2011) ausgewählt. Er ist akademisches Ehrenmitglied des nationalen Runden Tisches für Biodiversität, naturbasierte Lösungen und grüne Infrastruktur, Mitbegründer der Latin America Green Infrastructure Association, Gründer der Red Colombiana de Infraestructura Vegetada RECIVE (Kolumbianisches Netzwerk für vegetative Infrastruktur) und Mitglied des World Green Infrastructure Network. Er ist Autor der offiziellen technischen Richtlinien für begrünte Dächer der Stadt Bogotá (2011), Umweltminister, Mitverfasser der nationalen Politik für grüne Infrastrukturen (2021) und der internationalen Veröffentlichung über Biodiversitäten (2022).
Andres nimmt aktiv an internationalen akademischen Netzwerken zu naturbasierten Lösungen teil, in denen er als Hauptautor an disziplinübergreifenden Veröffentlichungen in internationalen Buchkapiteln, Kongressberichten, Wettbewerben und Artikeln in Q1-Zeitschriften mitgewirkt hat. Er war Hauptredner bei Kongressen, Seminaren und Diskussionsrunden in Frankreich, Australien, Japan, den Vereinigten Staaten, Singapur, Mexiko, Brasilien, Peru, Hongkong, China, Indien, Deutschland, Norwegen und Kolumbien.

In jüngster Zeit haben die von ihm geleiteten Forschungsteams REGEN LAB Auszeichnungen bei drei internationalen Wettbewerben erhalten: Global Biomimicry Challenge, 2021, 2019; und Solar Decathlon Latin America and the Caribbean, 2019.
Derzeit ist er Direktor der School of Architecture and Urban Design und Dozent an der

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School of Architecture and Urbanism der National University of Colombia und der Pontificia Universidad Javeriana. In den letzten 2 Jahren war er Mitverfasser einer Reihe von 3 Broschüren über die biologische Vielfalt im städtischen Umfeld: Amphibian Co-existence, Dry Matters und Intersection (2019-2022). Sein Forschungsteam wurde beim Wettbewerb Land Art Generator 2022 ausgezeichnet, und seine Arbeit wird auf der BUGA in Mannheim ausgestellt.

Vortragstitel

Sechs Visionen von Biodiversitätsstädten: Städteplanung in einem Land mit großer Artenvielfalt, ein Überblick über die nationale Politik für grüne Infrastruktur in Kolumbien

Kurzbeschreibung des Vortrags

The talk presents six visions of cities aimed at improving the ling among spaces, human inhabitants and non-human inhabitants. This work was presented in the international book Biodivercities by 2030, transforming cities with biodiversity, 2022. There is a broad consensus that the planet´s health depends on the coexistence between rapidly growing cities and the natural world. One strategy to improve this coexistence is to incorporate urban planning, management, and design approaches that recognize the value of complex interactions between society and nature in built environments. This talk presents conceptual approaches that address cities from a systemic perspective in which nature and biodiversity can be integrated in the urban matrix. These interventions can improve the quantity and quality of habitats for diverse species as well as considering how citizens perceive and reclaim biodiversity, encouraging citizen participation, and promoting equitable access to nature´s benefits. In this context, we proposed six visions of Biodivercities that highlight the necessary transitions in the traditional urban development narratives and practices for creating scalable policies and actions that allow us to take advantage of the opportunities offered by biodiversity in the construction of fairer, healthier, mores sustainable and resilient urban futures: 1) The meta-human city, 2) the wild city, 3) the un-finished city, 4) the overlapping city, 5) the bioperformative city, and 6) the biomimetic city, 5) These visions reflect comprehensive approaches to the role of biodiversity and nature in the urban matrix, and recognize the complexity and dynamism of urban systems that shed light on concrete strategies to improve the link between spaces, humans and non-humans. This exalts the hybrid nature of cities, the role of built infrastructure and technology as mediators of society-nature relationships, the importance of recognizing local capacities, and each context´s biological and cultural capital. Beyond being tools to solve specific urban challenges, they are scenarios in which diverse actors´ interests, values, and expectations converse and disciplines such ecology, planning and urban design meet.

Short vita

Andres is a professor and researcher on buildings that generate environmental services, nature-based solutions, and biodiversity in urban settings. His academic and scientific work has contributed to the advancement of higher education programs, public policy and global networks on sustainability, green cities and living infrastructure. His recent work on the interface between green buildings and their urban settings to include nature-based solutions and incorporate biodiversity, looked at methods to assess eco-productivity (generation of environmental contributions) under the ecosystem-services framework. He has investigated cases of eco-productive architecture addressing environmental challenges in cities of Latin America, Asia and Europe. He was one of the 20 young outstanding researches awarded in Green Talents international competition, German ministry of Education and Research (BMBF), 2012 and alumnus of the United Nations University Researcher´s school.

He has investigated on local and regional concerns for the success of vegetated infrastructure systems in Colombia and Latin America. The experimental living roof research under his master studies received honors from National University, was awarded in local Davinci competition for postgraduate technology-based research projects and was selected as a finalist on Innovators of America competition (2011). He is an academic honorary member of the national table on Biodivercities, Nature-based Solutions and Green Infrastructure, co-founder of Latin America Green Infrastructure Association, founder of Red Colombiana de Infraestructura Vegetada RECIVE (Colombian Network of Vegetated Infrastructure) and member of the World Green Infrastructure Network. He is author of the official Green Roofs technical guidelines of the city of Bogotá (2011), Secretary of Environment, Co-author of the National Green Infrastructure Policy (2021), and the international publication on Biodivercities (2022).
Andres has active participation in international academic networks on Nature-based Solutions in which he has collaborated for cross-disciplinary publications in international book chapters, congress proceedings, competitions, and papers in Q1 journals as leading author. He has been a keynote speaker in congress, seminars and discussion panels in France, Australia, Japan, United States, Singapore, México, Brazil, Perú, Hong Kong, China, India, Germany, Norway, and Colombia.

Recently, the research teas REGEN LAB he leads have received awards on three international competitions: Global Biomimicry Challenge, 2021, 2019; and Solar Decathlon Latin America and the Caribbean, 2019. He is currently the Director of the School of Architecture and Urban Design and lecturer at the School of Architecture and Urbanism of the National University of Colombia and Pontificia Universidad Javeriana. Over the last 2 years he is coauthoring a set of 3 booklets on biodiversity in urban settings: Amphibian Co-existence, Dry Matters and Intersection (2019-2022). His research team was awarded at the Land Art generator competition 2022, and their work is exhibited at the BUGA in Mannheim, Germany.

Lecture title

Six visions of Biodivercities: Planning Towns in a Megadiverse Country, a Review of the National Policy on Green Infrastructure in Colombia

Short description of the lecture

The talk presents six visions of cities aimed at improving the ling among spaces, human inhabitants and non-human inhabitants. This work was presented in the international book Biodivercities by 2030, transforming cities with biodiversity, 2022. There is a broad consensus that the planet´s health depends on the coexistence between rapidly growing cities and the natural world. One strategy to improve this coexistence is to incorporate urban planning, management, and design approaches that recognize the value of complex interactions between society and nature in built environments. This talk presents conceptual approaches that address cities from a systemic perspective in which nature and biodiversity can be integrated in the urban matrix. These interventions can improve the quantity and quality of habitats for diverse species as well as considering how citizens perceive and reclaim biodiversity, encouraging citizen participation, and promoting equitable access to nature´s benefits. In this context, we proposed six visions of Biodivercities that highlight the necessary transitions in the traditional urban development narratives and practices for creating scalable policies and actions that allow us to take advantage of the opportunities offered by biodiversity in the construction of fairer, healthier, mores sustainable and resilient urban futures: 1) The meta-human city, 2) the wild city, 3) the un-finished city, 4) the overlapping city, 5) the bioperformative city, and 6) the biomimetic city, 5) These visions reflect comprehensive approaches to the role of biodiversity and nature in the urban matrix,

and recognize the complexity and dynamism of urban systems that shed light on concrete strategies to improve the link between spaces, humans and non-humans. This exalts the hybrid nature of cities, the role of built infrastructure and technology as mediators of society-nature relationships, the importance of recognizing local capacities, and each context´s biological and cultural capital. Beyond being tools to solve specific urban challenges, they are scenarios in which diverse actors´ interests, values, and expectations converse and disciplines such ecology, planning and urban design meet.