

ANNUAL REPORT



LowCarbonCity

2017

WE CREATE SOLUTIONS TO FACE CLIMATE CHANGE



www.lowcarbon.city

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On December 15, 2017 Low Carbon City celebrated two years of exciting and challenging work to put citizen participation for addressing climate change on the public agenda. During this time, through a collective effort and cooperation with different partners and organizations, we have mobilized more than 25 thousand citizens around the world, not only through awareness processes, but also through co-creation of ideas and scalable solutions that are transforming our cities with significant impact. During the past two years we have experienced many learning effects, but the most important is that we can all be part of the solution. We believe that with collective efforts we can tackle the

great challenges that climate change is bringing to our cities.

We present this compilation of our work during the year 2017. Thanks to all the citizens, friends, volunteers, and organizations from the public as well as the private sector and academia, that have believed in our ideas, and are still with us dreaming about and working for a better future. To all of you, we send our infinite gratitude. In 2018 we will continue bringing more solutions to construct resilient and low carbon cities.

Low Carbon City Team



We are Echoing Green Fellows

We are the first organization created by Colombians to win the social innovation award from the Echoing Green. More than 2800 projects from 164 countries participated in the call.



We won the Avina Foundation Seed Fund

In the framework of the Action LAC program, Avina Foundation recognized our work in the "mitigation" category due to the development of a scalable project of solid waste management in neighborhoods.



International Network

As active members of international networks we have taken the citizens voice to different global scenarios, sharing good practices and strengthening a community of collective construction. We are part of:





Low Carbon City has created a critical platform for citizens to have a voice, get involved in projects, and curb climate change from their local cities. We need more bottom-up approaches like LCC to complement top-down policy decisions to see systemic and sustainable change happen.”

Neil Yeoh | Senior Associate, Fellowship Programs, Echoing Green



Low Carbon City Forum II | Villahermosa, México Building | Cities For Life

[View the complete report here \(spanish\)](#)

We held the second Low Carbon City Forum in Villahermosa, Tabasco from September 5 to 7 in partnership with La Ciudad Verde Mexico. We held 27 academic activities, with 75 experts and 1,000 participants from 18 countries. The forum provided a space for dialogue and collective construction on topics such as sustainable mobility, responsible consumption, energy transition, environmental education, waste management, urban agriculture, and resilient cities. The agenda was built collectively through an open call and 110 applications from 35 cities in 10 countries. The Forum was organized in a

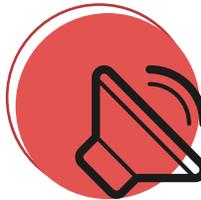
carbon neutral way.

Some of the outstanding experts were: Ian Monroe, CEO and Founder of Oroeco and Etho Capital; Tabaré Arroyo, WWF Regional Director of Sustainable Energy; David Rodríguez, Secretary of Economic Development and Tourism of Tabasco Government; Eduard Muller, Director of the University for the Cooperation of Costa Rica, Albert Kraisel, of the Medellin-Berlin Urban Laboratory, and Jessie Vega, of the Center for Urban Sustainability of Costa Rica.

Low Carbon City Forum II | Villahermosa, México | 5-7 de september. Building Cities For Life



1000
Participants



27
talks, workshops
and urban interventions



200
Volunteers



100
Applications from
35 cities and
10 countries.



72
Experts,
2 Pre-Forums



18
Participating
countries



15 thousand website visits

Best Pictures Here

Documentation



Keynote: Building Cities for Life



Keynote: Green Universities, Synergies between academia and citizenship



Keynote: The Children's Forum: Proposal of Children to Achieve the City We Dream.



Workshop: Children for Climate Change

Keynotes



The Low Carbon City Forum is going to París. Low Carbon City Forum 2018

Paris was chosen for the third edition of the Low Carbon City Forum. The launch of the 2018 forum was held at COY 13 and People's Climate Summit in the framework of COP 23 in Bonn, Germany.

**Amina Bouri y Anouk Lucas, Coordinators
of Low Carbon City Forum 2018**

paris@lowcarbon.city





Low Carbon City Forum 2017 Team | Villahermosa, México
Thanks to All!

Voices about the second Low Carbon City Forum

The forum was a space to assess the environmental achievements of my country Costa Rica, to know initiatives from civil society that can be scaled up in Costa Rican cities, and learn the importance of women in the construction of our cities

Jessie Vega Méndez,
Center for Urban Sustainability, Costa Rica

Today we are forced to take actions, each of us has to take action, we can no longer expect someone to do it for us, nor the United Nations, nor a president, nor a minister, will solve the problem. We have to do it, it starts with an individual change that must be collectivized

Eduard Mueller,
University for the International Cooperation,
Costa Rica

It was a great experience, sharing knowledge from many countries was very enriching. The challenges begin now, when we return to our places to make structural changes, and impact. The best is always in the halls of the event, when connections are made. Total thanks to the organizing team

Ana Quezadas,
UNDP

The first step to mitigate climate change as a citizen is to put a weight on energy consumption. Once you start monitoring how you consume energy and where you spend more, you can understand what are the main actions you can do to mitigate climate change in your daily activities

Mariano Mejía,
South Pole Group

The Low Carbon City Forum in Villahermosa has been a wonderful experience both on a professional and personal level. I can definitely feel how the forum has raised my awareness to a whole new level, motivated me to change my everyday habits and empowered my will to seek collective action. I'm already looking forward to the next edition in 2018!

Albert Kreisel,
Urban Oasis, Berlin



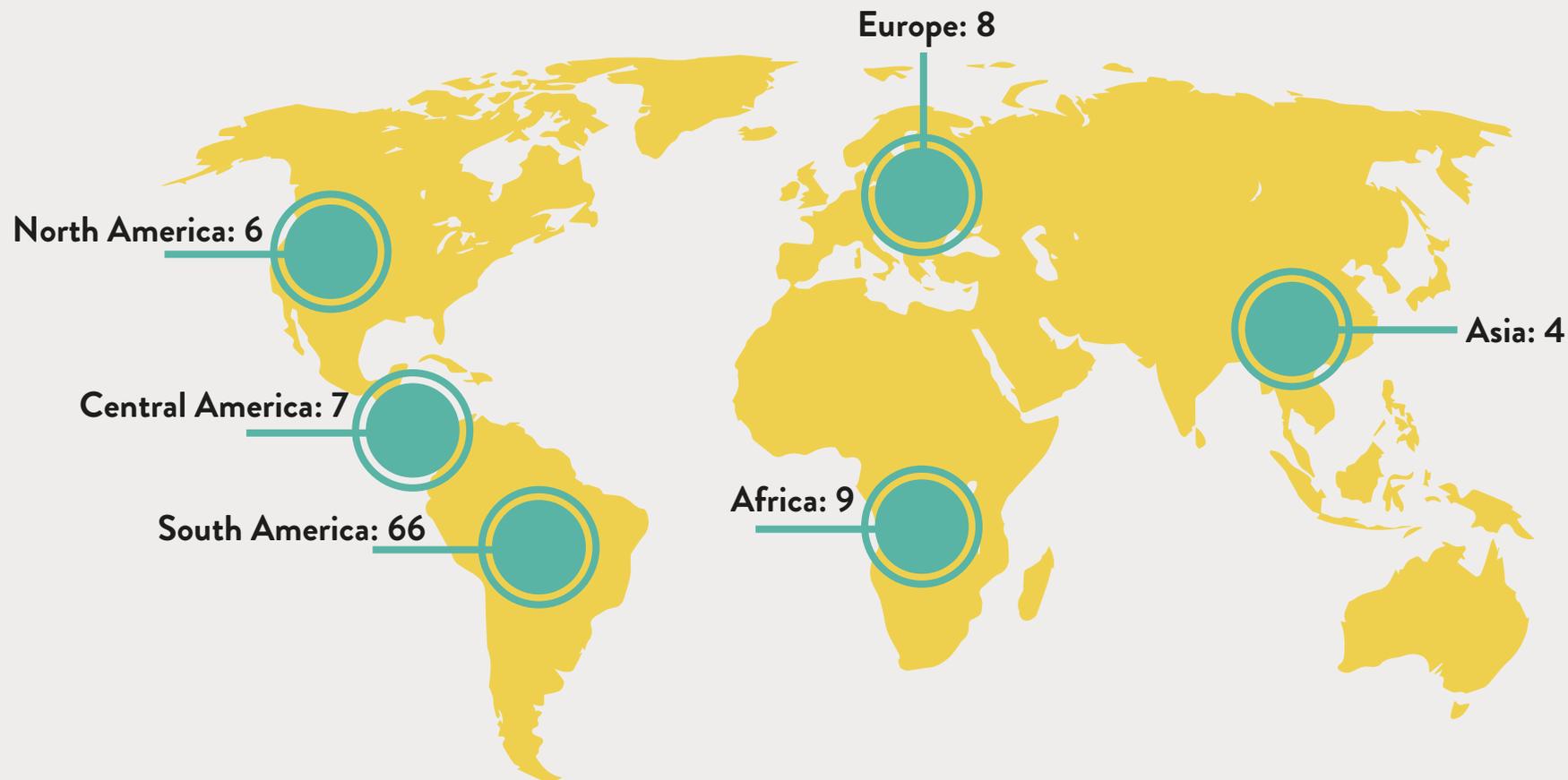
We are going to Paris

As the city where the UNFCCC Climate Accord has been signed in 2015, Paris is a symbolic location for any efforts to work on climate change issues. Paris is in this sense the city that inspired us to create Low Carbon City. We have been at the event more than two years ago and carry on the spirit of togetherness that the entire world experienced. That is the mindset in which we want to continue mobilizing the citizens of the world.

In addition to hosting the next Low Carbon City

Forum 2018, we are promoting future projects in three target areas:

- **Awareness raising about the use of plastics, especially the use of cigarette / straws / packaging.**
- **Public and citizen conversations on issues associated with climate change and sustainability**
- **Promotion of local and responsible consumption with merchants**



Ambassador City Program

During 2017 our network of Ambassador Cities grew to 100 cities. We already have presence on all continents through our Ambassadors which are various social organizations, entrepreneurs, universities, public and private sector

organizations, and leading citizens who are creating solutions to address climate change

[To know more visit our website](#)



EcoZona El Trianón | Envigado, Colombia

A Low Carbon Neighborhood is a defined urban area, which seeks to reduce CO₂ emissions by low-cost interventions that are created and collectively built with the local community.

Typically a Low Carbon Neighborhood considers 5 components: mobility, habitat and biodiversity, agriculture and forestry, renewable energy, and waste management.

During 2017, we consolidated the first Low Carbon Neighborhood in Colombia, led by the Mayor of Envigado, which included: the generation of a diagnosis and baseline of the El Tri-

nón neighborhood, a design thinking process with the community, and the implementation of interventions built collectively.

[Photos of the intervention](#)

[Video](#)



Increase in public space in the El Trianon neighborhood, renders and real intervention.

Orchard of El Trianon, renders and real intervention.

Urban Metabolism with EcoCity Builders



Created Solutions

Course of Urban Agriculture



Video

In partnership with EcoCityBuilders and EAFIT University, we conducted a course on urban metabolism and citizen participation to create sustainable cities. Urbinsight is a data analysis project, designed for mapping processes, and participatory planning that provides citizens with the tools and technologies necessary to explore, understand and measure physical, social and ecological conditions in their neighborhoods.

In partnership with Tierra Lab and the Public System of Libraries of Medellín, we participated in the creation of the second version of a collaborative course about urban agriculture, composting, conscious feeding, and collaborative markets. This course concluded with the development of a public talk with experts and citizens.





We created spaces for interaction between experts and citizens on various issues related to climate change.

Sustainable Construction Forum

In partnership with EAFIT's Nucleo Ambiental

Renewable Energy Forum

In partnership with EAFIT's Nucleo Ambiental

Eco-mobility Forum

We participated in several talks related to sustainable transport, like the EcoMobility Forum of El Colombiano newspaper, and the “Métele el Cambio” Fair in Envigado.

Forum “Citizenship transforming the Territory”

To recognize the citizen’s projects from Envigado that are already part of the solution and to raise their visibility, we created the Forum “Citizenship Transforming the Territory” in partnership with the Mayor’s Office of Envigado. We learned about scalable experiences in art and environment issues, local consumption, conservation and protection of ecosystems, technology for the measurement of air quality, and, waste management.

Sustainable Construction Forum, Video

We participated in various national and international venues promoting workshops of co-creation on how to change behaviors towards more climate-friendly cities.

Asian Global Fellows, University of Hong Kong. Echoing Green All Fellows Summit en San Francisco, Estados Unidos. People's Climate Summit en Bonn, Alemania. Conference of Youth (COY13) en Bonn, Alemania. Talleres Semana de Juventud, El Esmeraldal, Talleres EcoParroquia.



WEBINAR: HANGOUT ON AIR

Eco-Schools



Jenny Cooper
Director of Environmental
Education & Sustainability,
The Northwest School,
United States.



Brid Conneely
International Eco-Schools
Director



Ciara Norton,
Communications Officer of
Green Schools, Ireland



Alejandro Álvarez
Professor Universidad EAFIT

Thursday, 14 December | Time: 10 a.m (Colombia)

Live www.LowCarbon.City

We promoted online training and awareness spaces with experts from different backgrounds, and citizens that are leading the change.

Webinars

GRAN GANADOR



PREMIO

CIUDADANOS POR EL
CAMBIO CLIMÁTICO

¡Buen Provecho! Un gesto que alimenta

Un proyecto de: Transformador y Stop Food Waste Col.

We generated opportunities to promote and scale citizen projects through our platform.

Awards

Latin American Climate Change Award

We created the 1st Latin American Climate Change Award. It was the first award in Latin America to recognize citizen initiatives that are part of the solution. We received 81 proposals from 8 countries and 14 finalist projects competed for the \$ 500 prize to scale their project.

The organization El Transformador from Bogotá, was the winner with its project "Buen Provecho" that seeks to avoid and reduce food waste in stores and homes, and the social and environmental problems that these represent in terms of hunger and GHG emissions.



Video #CeroDesperdicio

Eco Entrepreneurs Award

In partnership with the EIA University and ECO4CLIM17, we granted the 2017 Climate Champions Award. We received applications from 15 entrepreneurs whose business idea impacts on the mitigation and adaptation of climate change. The winner was Ciclo, a company that transforms waste into opportunities, through the development, manufacture and operation of recycling machines that provide benefits to people who deposit plastic containers (PET), glass or aluminum.

Children's Story Tales Award

We held a children's story contest on climate change. We received 79 proposals where the children expressed their perceptions about the effects, problems and solutions of climate change. We awarded a selection of 6 stories full of magic and reflection:



Men are killing themselves as they pollute water with oil

-Sara Cano

Winners Children's Story Tales Award

- 1. Sara Cano**
The New planet
- 2. Jacobo Franco**
The amazing dream of Pochincardo
- 3. Luciana Salome Cano Valencia**
The day my home changed
- 4. Isabella Henriquez Mazo**
the adventure that transformed the planet
- 5. Jerónimo Arango**
Climate Change
- 6. Jerónimo Mulcúe Restrepo**
A scorching heat

We created **6 citizen calls.** with **250 participants** from **8 countries.** **6 urban interventions** with **4,020 participants.**



Citizen Challenge on Circular Economy to look for solutions to reduce waste, pollution and energy consumption.

Bosso Fataka from Germany, created an artistic intervention with garbage to raise awareness about the environmental and social problems of our cities.

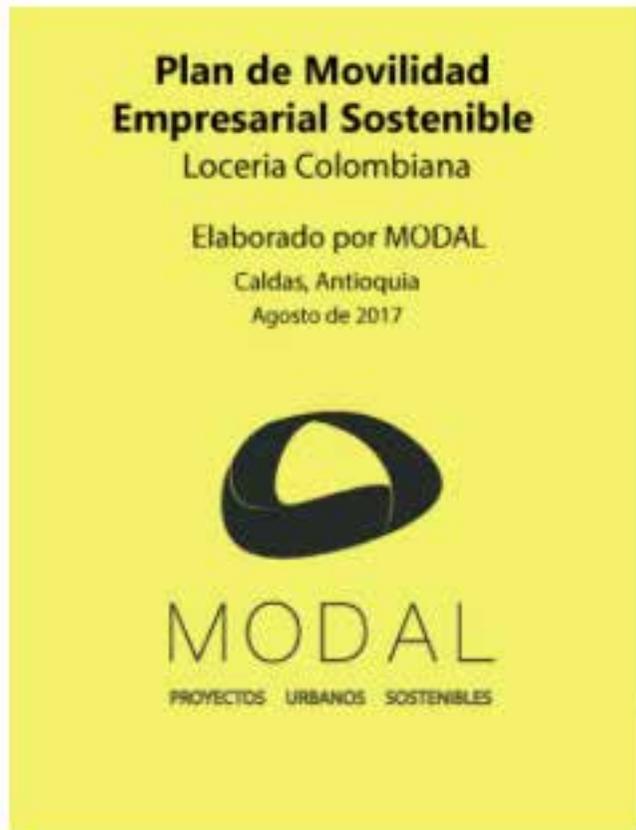
Urban Lab Medellín - Berlin. We supported the process of urban forestry in the Moravia neighborhood, Medellín along with students and experts from Germany and Colombia.

#ShowTheChange: Photography exhibition to raise awareness about the causes and effects of climate change.

[Circular Economy Ideas](#)

[Making Of "El burro" Moravia / Medellín / Colombia](#)

[Urban Lab Medellín - Berlin, Video](#)



La contaminación de los ambientes en la zona del Valle de Aburrá está directamente influenciada por los niveles meteorológicos y climáticos de la zona.

Características de los cambios de la temperatura y la contaminación:

- Contaminación
- Inversión
- Alta densidad de habitantes
- Factores naturales que afectan la movilidad
- Factores tecnológicos y sociales

Ilustración 3. Condiciones topográficas y climáticas del Valle de Aburrá

Las principales contaminantes del aire se presentan en la siguiente ilustración:

SO₂ Dióxido de Azufre	CO Monóxido de Carbono	COV Compuestos Orgánicos Volátiles	NO_x Óxido de Nitrógeno	O₃ Ozono Troposférico	MP Material Particulado
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La OMS establece un límite sobre los niveles de estos contaminantes en el aire por su impacto a la salud.

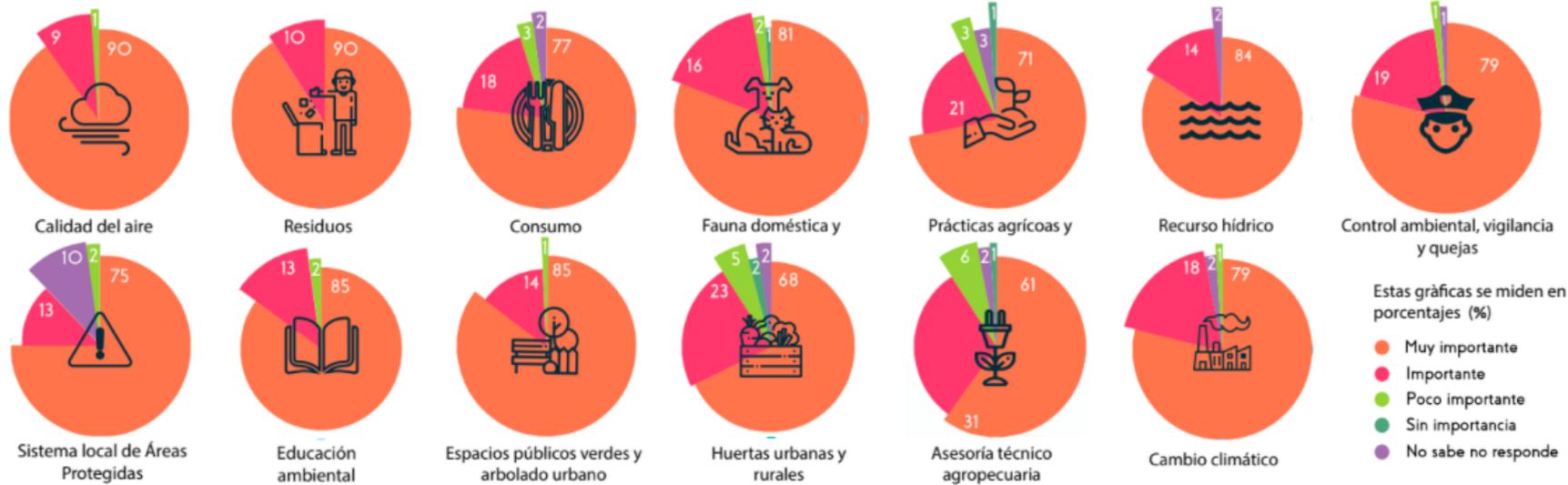
Ilustración 4. Contaminantes en el aire

El Material Particulado es la principal fuente de la contaminación en el Valle de Aburrá. (PM2.5) son partículas respirables en forma sólida o líquida (polvo, cenizas, neblina, partículas metálicas, cemento y pólenes entre otros) de un tamaño inferior a igual a los 2.5 micrómetros, es decir, son 100 veces más delgadas que un cabello humano. Las partículas son muy peligrosas. Por su tamaño entran fácilmente a las vías respiratorias.

MODAL, Promoting Sustainable Mobility

In January 2017 we created the MODAL alliance to encourage Sustainable Business Mobility working in partnership with Try My Ride, ProSur and Camel Hub. During 2017, we carried out sustainable business mobility strategies and plans for different companies in Colombia.

GRADO DE IMPORTANCIA CON QUE EL MUNICIPIO DEBE ATENDER LOS TEMAS AMBIENTALES



LowCarbonCity



Alcaldía de Envigado
Secretaría de Medio Ambiente y
Desarrollo Agropecuario

vivir mejor
UN COMPROMISO CON ENVIGADO



medioambiente.envigado.gov.co

Climate Change Survey Perception

In partnership with the Mayor's office of Envigado we carried out the design and implementation of a citizen perception survey on climate change and environmental management. It was the first survey of perception of climate change conducted in Colombia.

[See results of the Survey here](#)



Carbon, Water and Waste Footprint Measurement

In partnership with the Mayor's office of Envigado, we created a methodological process for the calculation of carbon, water and waste footprints of 11 public schools and 6 municipal administrative centers. This process was participatory and did not only involve teachers and students in the process, but also trained them in matters associated with climate change and how these climate change effects impact their daily lives

Informe final de la Medición



Ambiente

Iniciativa colombiana ganó premio de innovación social en EE. UU.

Autor: Redacción

15 junio de 2017 - 07:44 PM

La organización Low Carbon City cuenta con una red de más de 90 ciudades que trabajan para compartir conocimiento y construir barrios bajos en carbono.



Mexico Forum News

- Trabaja Tabasco en proyectos ambientales
- Lider de la Semana, David Montiel
- Inauguran Foro Mundial Ciudades Bajas en Carbono
- Clausuran Foro Mundial Ciudades Bajas en Carbono
- Inauguran 2do Foro Mundial Ciudades Bajas en Carbono

France

- Lundi des Citoyens - Alimentation : quel impact sur l'environnement?

Others

- Low Carbon City empoderando a ciudadanos
- Premio a iniciativa ambiental paisa
- Reconocimiento a administrador del CESA en NYC por innovaciones sociales frente al Cambio Climático
- Iniciativa colombiana ganó premio de innovación social en EE. UU.
- Los retos para una movilidad limpia
- MIT Technology Review: "Si las ciudades producen el 70% de los gases de efecto invernadero, también tienen las soluciones"



Other Partners

Bosso Fataka, Ubuntu Lab, Casa Nostra, Try My Ride, Camel Hub, ProSur, Cojardicom, Pole Group, Ando Consulting, Instituto Universitario de Puebla Campus Tabasco, Gobierno del Estado de Tabasco: Secretaria de Desarrollo Económico y Turismo, Instituto Estatal de Cultura, Instituto de Fomento a las Artesanías de Tabasco, South

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Thank you for being part of the solution, and for contributing to the collective construction of low carbon and resilient cities ... cities for life"

Low Carbon City Team



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