

Climate City, the new European Project 100 % dedicated to Climate Change

Yves M. Tourre (1), Laurent Husson (2), Dorian Penner (2), and Bruno Desaunettes (2)

(1) LDEO of Columbia University, (2) European Xlab

Re-enforced by the successful COP21, Climate City is a brand-new project which started last year in France, and which is developing adaptive strategies to adapt to and mitigate the impacts of Climate Change worldwide. Climate City is conceived as a unique center where innovative airborne technology and climate experts will meet. Climate City relies on a double approach: i.e. 1) implement an operator linked to climate change issues and 2) build a Research and Development (R & D) unit located on a former NATO base at the center of Europe. Unlike any other centers, Climate City will bring together climate scientists, technological experts and stakeholders at large.

Within the R & D strategic headquarters, by using the most recent technologies, a Climate Birds Network (CBN) will be conceived. Climate Birds are seen as special monitoring units with range of new sensors and airborne vehicles, to be distributed around cities in the world. Ultimately, such deployment will span the full spectrum of needs and will propose solutions to stakeholders associated with Climate Change issues, including energy transition and innovative urbanization, among others.

As such Climate City will propose: a) Customized research and technological programs for governments, NGOs, and industries, b) Conferences, symposia and debates focused on climate-related topics, and c) the Internet of Climate (IoC) which is meant to provide globally quasi real-time climate data to its members (see <http://climatecity.eu>)

Finally, by integrating modern and detailed spatio-temporal observations, the best research and multidisciplinary applications, Climate City is to become the prime complementary and sustainable outfit to all other existing national networks and organizations.