



COP27 GABC Building event **Climate adaptation, building summer comfort**

Title: Climate adaptation, building summer comfort : feed-back from voluntary and mandatory schemes implementation and perspectives in a RCP4.5 and RCP8.5 context

Day: 10 November 2022, 9:00-10:00 Eastern European Time (UTC+2)

Location: Blue zone – Buildings Pavilion (Zone C, Area 5, lot n. 113)

Event organisers: ENERGIES 2050, FIDIC, International Passiv House Institute, Politecnico di Milano

Type: Hybrid and livestreamed (Vimeo link: <https://vimeo.com/event/2552858>)

Event description

Buildings have to provide comfort under warmer outdoor weather conditions, primarily by up-to-date passive techniques and bioclimatic architecture and efficient active systems for the residual energy needs. Resilient new buildings and renovations should anticipate in their design, construction and operation the average raise in temperatures and provide thermal safety against longer and stronger heatwaves.

What are the current approaches and solutions to those needed services in such locations as the Mediterranean and African regions under warmer outdoor weather conditions and heatwaves as of the RCP 4.5 and 8.5 scenarios? Are future weather files ready and available as input for the design? How can these approaches support energy sufficiency, efficiency, and flexibility to integrate variable RES, coupled with affordability objectives? What are the enablers for the scaling-up of future proof building in a warmer climate ?

This session provides different point a view on these challenges, with a panel of speakers involved in the strategy design and the projects implementation, in different locations in the world.

Detailed proposal

Moderation of the event: Idriss KATHRADA, Inoal CEO, Fidic SDC

9:00 Opening remarks

Stéphane POUFFARY- CEO ENERGIES 2050

Régis MEYER – French Ecological Transition Ministry

9:10 Summer comfort Building performance in a changing climate, with a RCP4.5 and 8.5 perspective

Lorenzo PAGLIANO – Prof. & V.D. Master RIDEF 2.0 - Politecnico di Milano

9:20 Current practices and perspectives, under various policy contexts

Heba ABDEL-HALIM – Ph.D. Candidate, CEO of Passive House Egypt

Rym NAFTI – PEEB National Coordinator - Tunisia

Jessica GROVE-SMITH - International Passive House Association

Stéphane POUFFARY- CEO ENERGIES 2050

10:00 End of the event