



CAETS 2021  
ARGENTINA

Engineering a Better World

THE FUTURE OF ENERGY



Buenos Aires, September 17-24, 2021

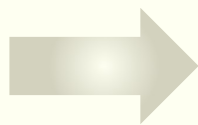
# ITBA's Climate Change Awareness initiative

Eduardo Fracassi

# ITBA's Organizational Change Initiative

The logo for ITBA (Instituto Tecnológico de Buenos Aires) features the letters 'ITBA' in a bold, blue, sans-serif font. A white diagonal line cuts through the letters from the top-left to the bottom-right.

Instituto Tecnológico  
de Buenos Aires

The logo for MIT Management Sloan School consists of the letters 'MIT' in a large, bold, sans-serif font. The 'M' is red, and the 'I' and 'T' are grey. Below 'MIT' is the word 'MANAGEMENT' in a smaller, bold, black, sans-serif font, and below that is 'SLOAN SCHOOL' in an even smaller, black, sans-serif font.This block contains two logos. The top one is for the 'MIT MANAGEMENT Sustainability Initiative', with 'MIT' in green and blue, 'MANAGEMENT' in grey, and 'Sustainability Initiative' in green. The bottom one is for 'CLIMATE INTERACTIVE', with 'CLIMATE' in blue and 'INTERACTIVE' in orange, accompanied by two curved arrows forming a circle. Below it is the tagline 'tools for a thriving future' in a small, grey font.

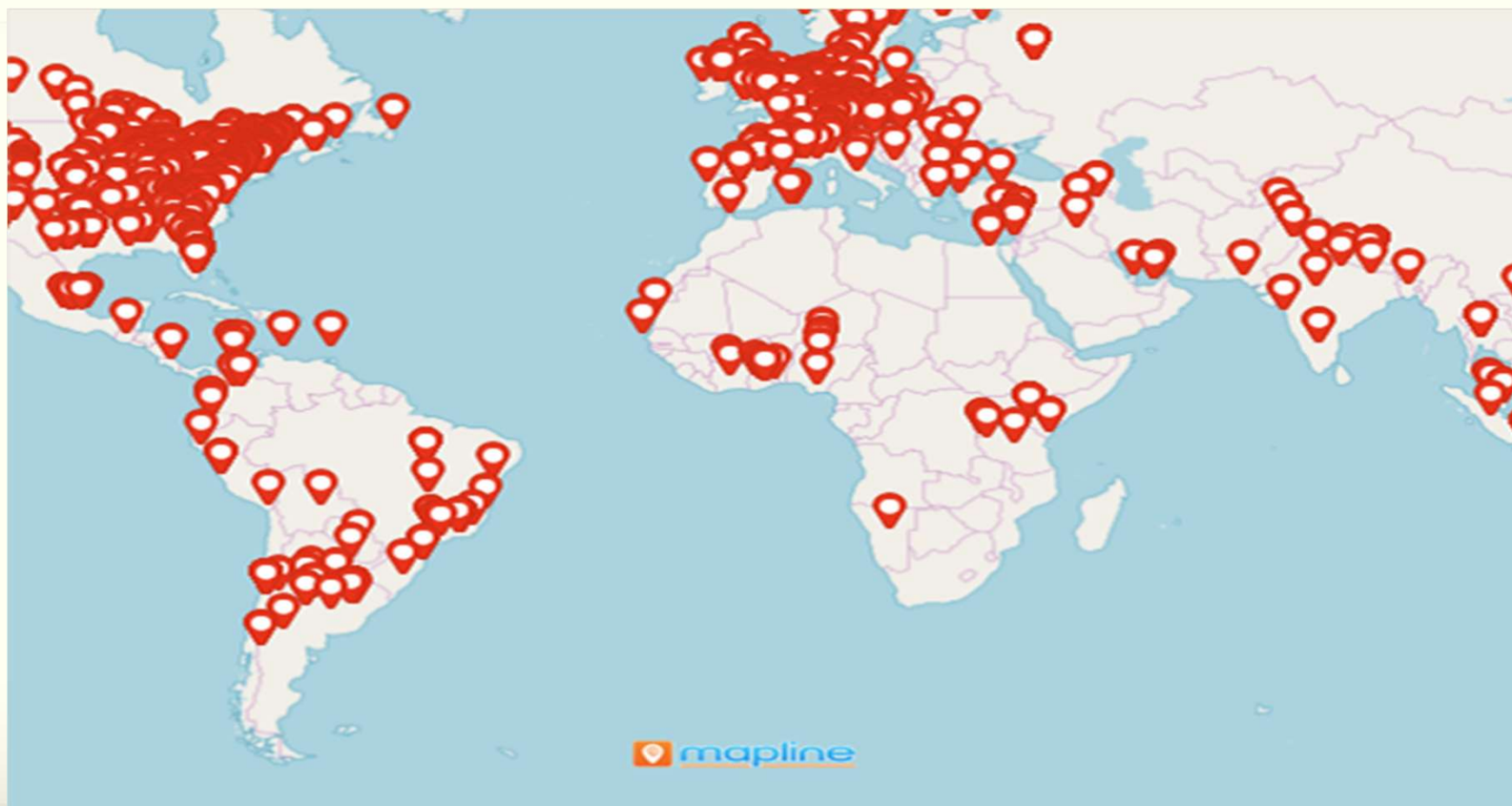
## ITBA's Climate Change Awareness initiative

# Results: Events organized in Latam

- Organized events in the following countries / organizations:
- **Argentina** (ITBA, UCES, UBA, UTDT, APRA, Rotary Club, Secondary Schools: Guadalupe, Instituto Inmaculada, Faa di Bruno, Instituto Modelo Mariano Acosta, St. Martins, St. Brendans, ORT, ENET 29).
- **Brazil** (UFBA, UnB, UFSC, UFES, UFRJ, UNITINS, FGV, IFF, IF)
- **Colombia** (UNIANDES, U. de Cartagena, U. del Valle, U.Tadeo Lozano)
- **Costa Rica** (INCAE).
- **México** (ITESM, The Climate Reality Project).
- **Uruguay** (LA & CCW).



# Results: Events organized in Latam



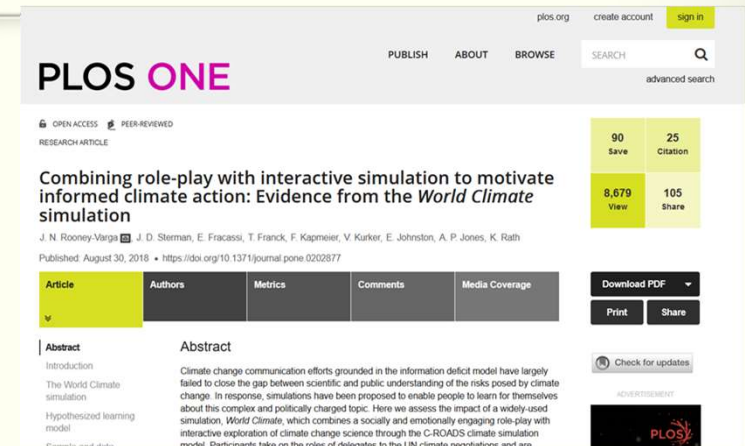
## Results: Events organized in Latam

- Since 2018, all first year ITBA undergrad students use both the MIT C ROADS and EN ROADS simulators.
- More than **214 events** since 2013 (9 years).
- More than **5000 people** participated.
- 6 different countries.



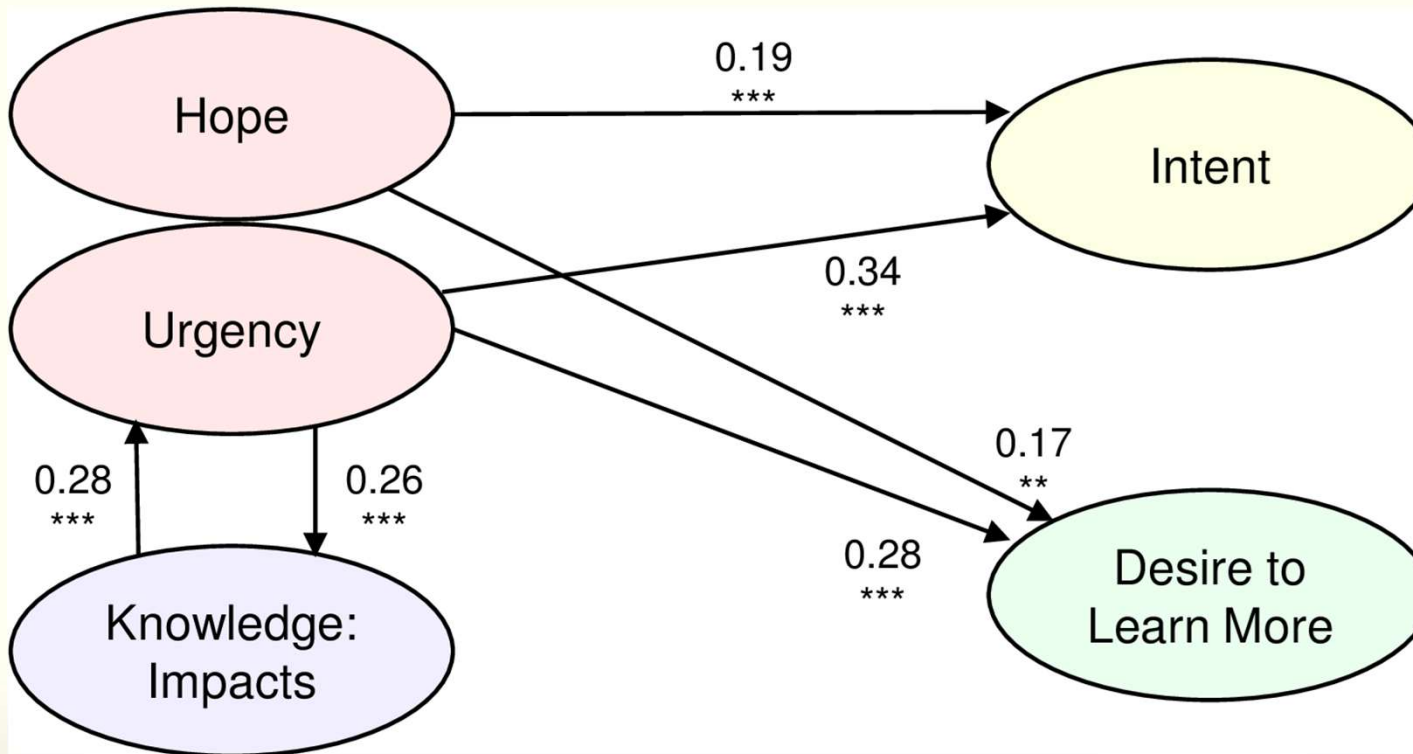
# Results: Publications

- In 2013 we started measuring the **effectiveness** of the C ROADS simulations, also called World Climate Simulations, doing a longitudinal study with PRE / POST surveys.
- The results were published in the PlosOne online journal. We were the third authors, after **Juliette Rooney Varga** from Umass and **John Sterman** from MIT.



<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0202877>

# Results: Publications



# Results: Winning MIT Climate Colab Competition

- In 2015 during **COP XXI** we were invited to participate in the **Climate Colab** international competition organized by **MIT**.
- We did a brainstorming with our **ITBA Kiri team** of student helpers, and a 19 year old bio engineering student proposed setting air conditioners at 25C/77F after observing the AA use by their family.
- After much elaboration **the proposal won the “industry category”** category and the proposal was implemented by the Argentine government.



<https://www.climatecolab.org/contests/2016/industry/c/proposal/1329804>



# Results: Winning MIT Climate Colab Competition



# Tools: Some Networks that helped us!

- *Latin American System Dynamics Chapter,*
- *Colombian System Dynamics Association,*
- *Brazilian System Dynamics Chapter,*
- *The Climate Reality Project.*



# Tools: EN ROADS: Climate Action Simulator



<https://en-roads.climateinteractive.org/scenario.html?v=21.7.1>



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# THANK YOU

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