

COP30 – Italian Ministry of Environment ‘[Made for our Future](#)’ Pavilion

Proposed title

Amazon & Heat: Community-First Climate–Environment–Health Action from the Amazon Basin to Africa & Europe

Lead organization(s)

University of Modena & Reggio Emilia (UniMORE)

Co-lead (programmatic): Instituto de Salud Global de Barcelona (ISGlobal)

Supporting organizations (diverse, cross-sector)

PAHO/WHO/FIOCRUZ, Brazil; Federal University of Pará (UFPA, Brazil); Universidad de Cartagena (Colombia); CINCIA Peru; Acción Ecológica (Ecuador); Ethiopian Public Health Institute; Jimma University (Ethiopia); Lund University (Sweden); Indigenous organizations from the Amazon Basin; Florida International University, USA

Short description (≈120–140 words)

This session connects Amazon Basin evidence on physical and mental health impacts due to mercury, agrochemicals, microplastics contamination due to gold mining and deforestation, with heat risk solutions from Ethiopia–Southern Africa–Southern Europe, co-led by researchers, Indigenous leaders, and implementers. We present new exposure/health data, citizen-science monitoring, and portable sensing for targeted interventions; map heat vulnerability in pregnancy; and share a theory of change to reduce heat exposure and improve school attendance. We will examine oil exploration–linked physical and mental health impacts in Amazonia and solutions to protect outdoor workers during heat waves. Outputs: i) a concise policy/practice brief, ii) a shared FAIR compatible indicator set, and iii) a coalition for follow-up studies.

How the event meets design principles (≈170–190 words)

Action-oriented: This event presents deployable tools (heat action plans, worker protections, low-cost sensors, risk communication kits) and indicates concrete policy/financing levers for uptake.

Cross-sector: Health, environment, climate, labor/OSH, education, WASH, Indigenous governance, and research partners co-design interventions.

Inclusivity: Lived-experience speakers (Indigenous, frontline workers leaders) share the stage with researchers and policy actors.

Long-term impact: This event delivers a practical Amazon Environment & Heat policy brief and FAIR indicator set that aligns with COP30 Health Day momentum and post-COP implementation tracks.

Balance & breadth: Evidence on exposures/climate/health, community perspectives, and

implementation case studies will be evenly weighted; our geographic scope will span Amazonia, East/Southern Africa, and Southern Europe.

Willingness to merge: This event is explicitly open to merged or refocused sessions to ensure diversity of perspectives and efficient use of limited Pavilion slots.

Thematic focus (tick all that apply)

Mitigation; Adaptation; Air Pollution; Health systems; One Health; Water, Sanitation & Hygiene (WASH); Nature & Biodiversity; Workers/Labor & Occupational Health; Food systems & Nutrition; Climate justice & Equity; Just Transition: Mobilizing the health community.

Expected in-person/online speakers/panelists

1. **Roberto G. Lucchini** (University of Modena, Italy/ Florida International University, USA) – Environmental Health & toxicants in Amazonia rlucchin@unimore.it
2. **Luca Lombroso** (University of Modena) – Meteorology luca.lombroso@unimore.it
3. **Kurt Straif** (ISGlobal, Barcelona) – Outdoor construction workers in Southern Europe: effective heat-wave adaptations straif.kurt@gmail.com
4. **Ebba Malmqvist** (Lund University, Sweden) – Theory of change to reduce heat exposure & increase health/school attendance (Ethiopia, Zimbabwe, South Africa) ebba.malmqvist@med.lu.se
5. **Paulo Basta** (Escola Nacional de Saúde Pública FIOCRUZ, Rio de Janeiro, Brasil) – Amazon health equity & surveillance paulo.basta@fiocruz.br
6. **José Olivero-Verbel** (Universidad de Cartagena, Colombia) – Mercury & community science joliverov@unicartagena.edu.co
7. **Maria Elena Crespo-López** (Universidade Federal do Pará, Belém, Brasil) – Neurotoxicity pathways & interventions ecrespo@ufpa.br
8. **Claudia Vega** (*Centro de Innovación Científica Amazónica*, Puerto Maldonado, Peru) vegacm@wfu.edu
9. **Maria Del Carmen Gastañaga**, Centro Nacional de Salud Ocupacional y Protección del Ambiente para la Salud. Instituto Nacional de Salud, Lima, Perú. cgastana@hotmail.com
10. **Luiz Augusto Galvão**, Centro de Relações Internacionais em Saúde FIOCRUZ, Brasil luiz.galvao@fiocruz.br

11. **Alexandra Almeida** (yasuni@accioneecologica.org) Acción Ecológica, Ecuador – Climate change, oil exploration & mental health in Amazonia
12. **Sinéia do Vale Wapichana**, Enviada especial para los Pueblos Indígenas, Presidencia de la COP30, Brasil sineiadovale_39@hotmail.com
13. **Sila Apurina**, *National Coordinator, Amazonian Work Network and Embassy of Indigenous Peoples, Brazil* silamesquita13@hotmail.com
14. **Joaquim Belo**, Special Envoy for Amazon Civil Society, COP 30 Presidency, Brazil nossaamazoniacns@gmail.com
15. **Ethel Leonor Noia Maciel**, Special Envoy for Health, COP30 Presidency, Brazil ethel.maciel@gmail.com
16. **Martin von Hildebrand** Director, ATCO (Amazon Cooperation Treat Organization) jade.ciconello@otca.org
17. **Rathna Kewal** Climate Change Coordinator ATCO (Amazon Cooperation Treat Organization) rathna.kewal@gmail.com
18. **Desalew Moges** (Ethiopian Public Health Institute) desalew.moges@med.lu.se
19. **Enatfenta Sewmehone Endalew** (Jimma University) – Heat during pregnancy in Ethiopia: mapping vulnerable areas enatfenta_sewmehone.endalew@med.lu.se
20. **Cristina O'Callaghan-Gordo** Barcelona InTerdisciplinary research group on plAnetary heaLth (BITAL), Universitat Oberta de Catalunya, ISGlobal, Barcelona, Spain co_callaghang@uoc.edu
21. **Stefanny Magaly Moncada Barbosa**, Departamento de Gobierno, Universidad del Desarrollo, Las Condes, Región Metropolitana, Chile. stefanny.moncada@hotmail.com
22. **Luciana Pitta**, Environmental Health Sciences, Florida International University, USA lpitta@fiu.edu
23. **Carlos Espinal**, Director Global Health Consortium, Florida International University, USA caespina@fiu.edu
24. **Alok Deoraj**, Environmental Health Sciences, Florida International University, USA adeoraj@fiu.edu
25. **Quentin Felty**, Environmental Health Sciences, Florida International University, USA feltyq@fiu.edu

Virtual participation

Yes (hybrid possible).

Target audience

Member States, PAHO/WHO/FIOCRUZ/OTCA, Indigenous organizations, NGOs, health/environment/labor/education ministries, cities, donors, researchers, youth.

Preferred date/time

First week (10–15 Nov 2025), AM or PM; ideal: Thu 13 Nov (Health Day). Flexible to facilitate merging.

Focal point (name/title/email)

Roberto G. Lucchini — UniMORE/FIU rlucchin@unimore.it Mobile +16463572014

Blue Zone accreditation

Yes — via UniMORE

FENSA confirmations

Yes — no links to tobacco/arms; no fossil-fuel funding.

Openness to merge

Yes — we welcome merges or focus shifts with aligned proposals (e.g., planetary health, biodiversity, WASH, worker protection)