

Annual Report of IEA Technical Committee 2022

Name of Technical Committee: **Human Factors and Sustainable Development (HFSD)**

Website (URL): <https://iea.cc/member/human-factors-and-sustainable-development/>

Chairs: **Karen Lange-Morales (Universidad Nacional de Colombia, Colombia – klangem@unal.edu.co)**
Ivan Bolis (Federal University of Paraiba, Brazil – bolis.ivan@alumni.usp.br)
Tiago F. A. C. Sigahi (State University of Campinas, Brazil – sigahi@unicamp.br)
Gabriel Garcia-Acosta (Universidad Nacional de Colombia, Colombia – ggarciaa@unal.edu.co)

Appointment date of chairperson: **June 2021**

Secretary (optional): **N/A**

Appointment date of secretary: **N/A**

Reporting Year	Work Group / Executive Members	Current Membership	Activities accomplished for the reporting year 2022.	Activities planned for the following year 2023	Support requested from IEA Executive Committee, Standing Committees or other Technical Committees for the following year 2023 (funding is generally not available)
2022	<p>Co-chairs of the HFSD TC</p> <ul style="list-style-type: none"> • Karen Lange-Morales • Ivan Bolis • Tiago F. A. C. Sigahi • Gabriel Garcia-Acosta <p>Co-chairs of the subcommittees</p> <ul style="list-style-type: none"> • Sub-Committee 1: “Theoretical Perspectives on Human Factors and Sustainable Development” - Claudio Brunoro, University of 	<p>Based on the mailing list to which HFSD TC communications are sent, there are 79 participants.</p> <p>Nations involved: Brazil, Colombia, South Africa, United Kingdom, Germany, Malaysia, Italy, France, Mexico, New Zealand, Tunisia, Denmark, Australia, Sweden, Portugal,</p>	<p>1. Technical committee meeting</p> <ul style="list-style-type: none"> • March 28, 2022, online meeting, 13h (Brazil time) • April 11, 2022, online meeting, 14h (Brazil time) • June 6, 2022, online meeting, 14h (Brazil time) • September 20, 2022, online meeting, 11h (Brazil time) • November 22, 2022, online meeting, 14h (Brazil time) <p>2. Conference/Seminar/Works hop</p>	<ul style="list-style-type: none"> • Webinar: Sustainability, development and alternatives to sustainable development: Opportunities for E/FH (coordinated by Gabriel Garcia-Acosta) • ODAM Congress (coordinated by Karen Lange-Morales and Michelle Robertson) 	N/A

	<p>Sao Paulo, Brazil, cbrunoro@uol.com.br</p> <ul style="list-style-type: none"> • Sub-Committee 2: “Human Factors and Sustainable Development in Global Value Creation” - Klaus Fischer, University of Kaiserslautern, Germany, klaus.fischer@ita-kl.de • Sub-Committee 3: “Ergonomics and Design for Sustainability” - Giuseppe Di Bucchianico, University of Chieti-Pescara, Italy, pepetto@unich.it; and Emilio Rossi, Lincoln School of Design, UK, erossi@lincoln.ac.uk • Sub-Committee 4: “Energy and Mobility” - David Rempel, University of California San Francisco, USA, dm.rempel@gmail.com; Dan Gottesman, dangottesman@ergovation.com; and Rich Mcilroy, r.mcilroy@soton.ac.uk • Sub-Committee 5: “Sustainability in the Built Environment” - Erminia Attaianesi, University of Naples Federico II, Italy, 	<p>Turkey, Canada, China, USA.</p>	<ul style="list-style-type: none"> • Members of the HFSD TC promoted the HFES Environment and Sustainability Task Force (Andrew Thatcher, Dan Gottesman, and David Rempel) • Webinar: “Climate Ergonomics” with Barry Kirby Feb. 16, 2022 (promoted by HFES Environment and Sustainability Task Force); • Webinar: “Dialogues exploring the intersection of HFE and Sustainability” with Dan Gottesman (co-chair of the Energy and Mobility subcommittee) • Applying Biophilic Design for Health & Wellbeing in the Built Environment <p>3. Research</p> <ul style="list-style-type: none"> • Special issue on Ergonomics (Taylor and Francis), “Applying E/HF systems thinking to complex global problems” – expected date of publication: 2023 (promoted by Andrew Thatcher and Tiago Sigahi) • Planning and construction of an international and transdisciplinary project to apply HFSD TC concepts in practice: “Pulses of water: An integrated approach to the amphibian Letitia” (Promoted 		
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	<p>erminia.attaianese@unina.it</p> <ul style="list-style-type: none"> • Sub-Committee 6: “Smart/Intelligent Systems” - Paul Yeow, School of Business & Management, RMIT University, Vietnam, paul.yeow@rmit.edu.vn; and Myriam Frejus, EDF Research & Development, France 		<p>by Karen Lange-Morales, Ivan Bolis, and Gabriel Garcia-Acosta)</p> <ul style="list-style-type: none"> • Italian Journal of Ergonomics: Special issue "Sustainable Ergonomics – Ergonomics for Sustainability (promoted by Emilio Rossi, co-chair of the Ergonomics and Design for Sustainability subcommittee, and Erminia Attaianese, co-chair of the Sustainability in the Built Environment subcommittee) <p>4. Publications</p> <ul style="list-style-type: none"> • Thatcher, A., Bolis, I., Sigahi, T.F.A.C., García-Acosta, G. and Lange-Morales, K. (2022), “Past, present, and future of E/HF for sustainability: A perspective from the HFSD Technical Committee”, Work, Vol. 73 No. s1, pp. S153–S167. <p>5. Outreach activities/others</p> <ul style="list-style-type: none"> • Invitation for a Symposium proposal on E/HF and Sustainability • HFSD TC Newsletter • Seventh International Conference on ICT Sustainable Development (promoted by Maggie Graff) • PhD in Ergonomics (Univalle) with Andrew Thatcher, Gabriel García-Acosta and Karen 		
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			Lange-Morales: Open Lecture in Ergonomics and Sustainability		
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