

### *International Workshop*

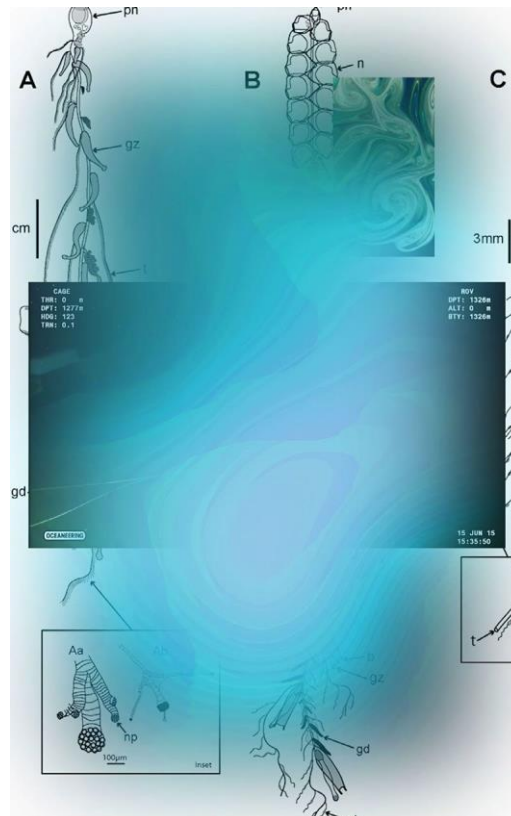
## **Reclaiming Sustainability through Humanities Science Pathways: Transdisciplinary Co-Production of Knowledge on Climate-Energy Futures**

**Date:** December 1-2, 2022

**Venue:** South American Institute for Resilience and Sustainability Studies (SARAS)  
Maldonado, Uruguay

### **Coordinators and organizers:**

Jorge Marcone (Rutgers University/ SARAS) and Azucena Castro (Stockholm Resilience Center,  
Stockholm University/ Iberian and Latin American Cultures, Stanford University)



“Filamentos sensitivos” (2020) by Diego Orihuela Ibañez

This two-day international workshop aims at renewing and resignifying the field of sustainability studies by drawing on recent novel synergies between the humanities, social and natural sciences through fully transdisciplinary methods of co-production of knowledge. The overall purpose is to

jointly explore novel engagements to sustainability transformations from underexplored transdisciplinary mixed methods between the humanities, social and natural sciences. This workshop will examine the state of transdisciplinary co-engagement aiming at: (1) knowledge-building forms through transdisciplinary public engagement and education applied to climate and energy solutions. (2) co-production of knowledge between arts, humanities, social and natural science research to meet present and future sustainability challenges.

We have gathered expertise from important multidisciplinary centers of sustainability in Latin America, Nordic countries, South Africa, and the USA. Departing from ground-breaking case studies, the project aims to identify and build on innovative and timely methods, as well as exemplary problem-solving approaches in sustainability research based on strong transdisciplinary collaborations. Recent studies in environmental and energy humanities reveal that collaborations with the arts and humanities in sustainability studies is still scarce, lacks clarity in both its aims and procedures, and is subjected to real-world constraints that prevent or limit its growth and depth. Thus, this workshop seeks to explore better integrated methodological pathways between arts and humanities with social and natural sciences in sustainability studies with focus on situated socio-ecological explorations from Latin America and the Global South. This event aims at starting a broader HumanitiesScience platform between local and international researchers addressing sustainability in relation to climate and energy issues through cutting-edge transdisciplinary methods.

**Funding:** Generously funded by *Riksbankens Jubileumsfond* (RJ), Sweden and the South American Institute for Resilience and Sustainability Studies (SARAS), Uruguay

**Collaborating institutions and networks:**

South American Institute for Resilience and Sustainability Studies (SARAS); Stockholm Resilience Center (SRC) at Stockholm University; Rutgers University; BRIDGES (UNESCO's Humanities-led Sustainability Science); Universidad de la República, Uruguay; Humanities for the Environment (HfE) Latin American Observatory at Arizona State University; Red Iberoamericana de Investigación en Humanidades Ambientales (RIHUA) at Universidad de Córdoba, Argentina.

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## Program

**December 1<sup>st</sup>** (local times)

*9:30-10:00.* **Jorge Marcone** (SARAS and Rutgers University, USA), and **Azucena Castro** (Stockholm Resilience Center, Sweden, and Stanford University, USA)

### **Opening remarks**

*10:00-10:30.* **Henrik Österblom** (Stockholm Resilience Center and Stockholm University)  
**“Discoveries between Science and Art: Slowing Down in Uruguay and Stockholm”** (online)

*10:30-11:00.* **Steven Hartman** (BRIDGES Sustainability Science Coalition, UNESCO Management of Social Transformations Programme)

**“Mobilizing the Arts, Humanities and Social Sciences in Integrated Sustainability Science: How BRIDGES is Working to Promote Robust Communities of Knowledge, Action and Purpose”**

*11:00-11:30.* Coffee break

*11:30-12:00.* **Micaela Trimble** (SARAS, Associate Member)

**“From Watersheds to Fisheries: Lessons from Transdisciplinary Work at Multiple Scales in South America”**

*12:00-12:30.* **Florencia Enghel** (Jönköping University, Sweden, Marie Curie Fellow)

**“To Do No Harm: Doing Research in Precarious Times by Foregrounding Rights and Taking Research Participants into Account”**

*12:30-13:00.* **Diego Orihuela Ibanez** (Universidad Católica del Perú, Visual Artist)

**“Unhomely Home: Navigating beyond Oikos”**

*13:00-14:30.* Lunch and free time

*14:30-15:00.* **Mirian Carballo** (Universidad Nacional de Córdoba, Argentina, and Red Iberoamericana de Humanidades Ambientales, RIHUA)

**“Environmental Humanities: Binding Practices from the South”**

*15:00-15:30.* **Laura Pereira** (University of the Witwatersrand, Johannesburg, South Africa, and Stockholm Resilience Center)

**“Reimagining the Transformations We Need for More Sustainable and Just Futures”**

*15:30-16:00.* **Clementino Luiz de Jesus Junior** (Universidade Federal do Estado do Rio de Janeiro, Brazil)

**“Canto da Lama – Pedagogia E Cinema Desde El Sur Contra A Necropolítica”** [“The Song of the Mud” - Pedagogy and Cinema from the South against Necropolitics]

16:00-16:30. Coffee break

16:30-17:00. **Leandro Delgado** (Universidad Católica de Uruguay, Writer)

**“La naturaleza como escritura de lo inimaginable”** [Nature as Writing of the Unimagined]

17:00-17:30. **David Manuel-Navarrete** (School of Sustainability, Arizona State University, USA)

**“Transdisciplinarity Requires Flexing Ontological Muscles and Softening Existential Commitments”**

17:30-18:00. **Adriana Goñi Mazzitelli** (Department of Territory, Environment, and Landscape, CURE; and Department of Resilience and Sustainability, FADU, Udelar, Uruguay), and **Gerardo Ribero** (Senior Editor, *Revista Tekoporá*, CURE)

**“Tekoporá. Revista Latinoamericana de Humanidades Ambientales y Estudios Territoriales”**

19:30: Dinner

### **December 2<sup>nd</sup>** (local times)

9:30-10:00. **Pablo Arturo Mansilla Quiñones** (Pontificia Universidad Católica de Valparaíso, Chile, and *BioGeo.Art* Lab)

**“GeoHumanities and Creative (Bio)Geographies: Addressing Sustainability and Co-conservation through ‘Rhizomatic Immersion’”**

10:00-10:30. **Isabel Löfgren** (Södertörn University, Sweden, Artist)

**“Festejando com as minas: Lobby, soberania e propagandas do clima na campanha publicitária “A mina sueca”** [“What Would Swedish Mines Be without a Party? Lobbying, Sovereignty and Climate Propagandas in the Advertising Campaign *The Swedish Mine*”] (online)

10:30-11:00. **Ana Paula Aguiar** (Stockholm Resilience Center, XPATHS Project, and Stockholm University)

**“Alternative Pathways to Sustainable Futures: Linking Narratives across Scales in the Context of the Water-Energy-Food-Climate Nexus in Brazil”** (online)

11:00-11:30. Coffee break

11:30-13:00. Screening of *Maya Land: Listening to the Bees* (Written and directed by Kata Beilin and Avi Paul Weinstein). Spanish with subtitles in English.

Versión en español libre: <https://vimeo.com/729618506>

13:00-14:30. Lunch and free time

14:30-15:00. **Katarzyna Olga Beilin** (University of Wisconsin, USA, Filmmaker)  
“Colaboración y causa: una alianza frágil por las abejas Mayas” [Collaboration and Cause: A Fragile Alliance on behalf of Mayan Bees]

15:00-16:00. **María Teresa Rodríguez** (Filmmaker), and **Alda Maria Rodríguez dos Santos** (Dirección Nacional de Medio Ambiente, Ministerio de Vivienda y Ordenamiento Territorial)  
“Reconstruir ecosistemas: una mirada a la colaboración entre una documentalista y una agrónoma e investigadora” [Reconstructing Ecosystems: A Look to the Collaboration between a Documentalist and an Agronomist]

16:00-16:30. Coffee break

16:30-17:45. **Working groups: Imagining Humanities-Science transdisciplinary initiatives**

17:45-18:00. Closure

19:30: Dinner

## Participants

**Adriana Goñi Mazzitelli** is a Professor and Director of the Department of Resilience and Sustainability at FADU; and an Associate Professor at the Department of Territory, Environment, and Landscape at CURE, both at the Universidad de la República (Udelar), Uruguay. Adriana’s expertise is co- design and participatory planning. She has held leadership positions at the Urban Laboratory on Participatory Planning in Montevideo, and in the Participatory Process for the National Environmental Plan for Sustainable Development. Adriana is Chief Editor of *Tekoporá, Revista Latinoamericana de Humanidades Ambientales y Estudios Territoriales*.

**Alda María Rodríguez dos Santos** is an agronomist, and co-founder and coordinator of the BIO Uruguay Internacional Institute. She is also founder and scientific director of CREBIO (Centro de Recursos Biológicos e Biología Genômica), BIO Uruguay, based in an agroecological farm in Tacuarembó, is devoted to promoting modes of sustainable production. It emerged from the interaction of local farmers, consumers, professionals, and teachers. In the past, Alda worked in the coordination efforts, with other private and public stakeholders, for establishing the Organic Production protocols.

**Ana Paula Aguiar** is a researcher at the Stockholm Resilience Centre, Sweden; and at the Brazilian Institute for Space Research (INPE). Ana Paula works on pathways to achieve the Sustainable Development Goals (SDGs) with a focus on cross-scale participatory processes and combining quantitative and qualitative approaches. She is the coordinator of the FORMAS XPaths Project that explores how to inclusively design pathways that lead towards achieving the SDGs, using drylands in Brazil, Senegal, and Spain as case studies.

**Azucena Castro** is a postdoctoral fellow at the Stockholm Resilience Center, Stockholm University, Sweden, and at the Department of Iberian and Latin American Cultures, Stanford University, USA. Her postdoctoral project, “Multispecies Futuring: Biocultural Diversity in Latin American and Caribbean Future Fictions,” is funded by the Swedish Research Council. This project investigates future fictions in relationship to the biodiversity crisis and to biocultural rights. Azucena’s research expands also on environmental and energy humanities and cultural studies in Latin America.

**Clementino Luiz de Jesus Junior** is a filmmaker, educator, and a Ph.D. candidate in Education at the Universidade Federal do Estado do Rio de Janeiro (UNIRIO), Brazil. He also holds a M.A. in Education, from the Universidade do Estado do Rio de Janeiro (UERJ). Clementino’s research and education practice revolve around audiovisual education and inclusion, environmental education, film clubs, Black cinema, and the Black Atlantic and African diaspora in film. His own films, twenty six in total, focus on the fight for Human Rights and the struggle against racism.

**David Manuel-Navarrete** is an Associate Professor in Sustainability at the School of Sustainability, College of Global Futures, Arizona State University, USA. His research aims at enhancing societies’ capacity to purposely deliver structural changes that simultaneously reduce inequality and sustain the planet’s web of life. David’s most recent research explores adaptation, resilience and transformation of water infrastructures in Mexico City, and the promotion of indigenous languages to advance sustainability in the Amazon.

**Diego Orihuela Ibañez** is a Peruvian artist and a Ph.D. candidate at the Université de Cergy-Paris, France. He also holds a Master in Critical Curatorial Cybermedia from the Haute École d’Art et Design de Genève, and a License degree in Visual Arts-Painting from the Pontificia Universidad Católica del Perú. Diego’s synergy of visual arts, theory, and fiction centers, among other projects, on “terraformation,” or navigating territories in cyberspace. His approaches are informed by biopolitics, algorithmic logics, queer ecologies, and critical animal and plant studies.

**Florencia Enghel** is an Argentinian scholar currently working as Associate Professor in Media and Communication Studies at Jönköping University, Sweden. She is a recipient of a Marie Curie Global Fellowship (2020-2023). Flor specializes in the relationship between communication, citizenship, and social change. Her research focuses on the relationship between citizens’ communicative practices and social justice. Flor has also written on the contributions of Latin American communication theory and practices to global knowledge. She has a prior professional record as a film producer and editor.



**Gerardo Ribero** is an Assistant Professor in Anthropology at the Department of Territory, Environment, and Landscape at CURE, and a researcher in the Center for Latin American Interdisciplinary Studies at FHCE, both at the Universidad de la República (Udelar), Uruguay. He works in the field of science and technology studies, environmental humanities, and territorial studies. Gerardo is Senior Editor of *Tekoporá, Revista Latinoamericana de Humanidades Ambientales y Estudios Territoriales*.

**Henrik Österblom** is a Professor in Marine Ecology and Science Director of the Stockholm Resilience Center, Stockholm University, Sweden. Henrik's overall research addresses the question of how humans interact with each other and with the Biosphere, with a particular focus on the ocean: ocean governance, science-business collaboration, and the development and use of novel technologies. He has been a member of SARAS's international Advisory Board since 2016 and is the chairman of the SeaBOS fundraising foundation.

**Isabel Löfgren** is a Brazilian-Swedish artist, curator and a Senior Lecturer in Media and Communication Studies at Södertörn University, Sweden. There, she teaches media activism, media archeology, media production, and visual narratives with photography and film. As an artist and a curator, Isabel works in collaboration with local communities and artist collectives in participatory projects. These projects include the poetics of communication and narrative flows and political emancipation in urban and/or site-inspired art installations.

**Jorge Marcone** is a Professor of Latin American Literature, and Comparative Literature at Rutgers University, USA, where he also serves as Associate Dean of Humanities. He is the Co-Chair of SARAS's Advisory Board. Jorge's broad interests are on how social-ecological crises, transitions, and resilience are addressed in Latin American culture. His preferable focus is Amazonian literature, film, and art; he is drawn to new explorations on human and nonhuman interaction redefining creativity, and promotes publicly engaged research in the humanities.

**Katarzyna Olga Beilin** is a filmmaker, writer, and a Professor in the Department of Spanish and Portuguese, and Director of the Latin American, Caribbean, and Iberian Studies program at the University of Wisconsin, Madison, U.S.A. Kata works in transdisciplinary and collaborative research across different fields of studies, including nonacademic partners and indigenous knowledges. She has a particular interest in Mayan areas of Yucatan; Puebla and Oaxaca, Mexico; the Ecuadorean rainforest; and in soy plantation areas of Argentina and Paraguay.

**Laura Pereira** is an Associate Professor at the University of the Witwatersrand, South Africa. She also holds appointments at the Copernicus Institute of Sustainable Development at Utrecht University, the Centre for Complex Systems in Transition at Stellenbosch University (South Africa), and the Stockholm Resilience Center. Laura's research focuses on sustainability transformations in Global South contexts: food systems, traditional knowledge and innovation, biodiversity, futures thinking, and other approaches related to the Nature Futures Framework of the IPBES.

**Leandro Delgado** is a writer and an Associate Professor at the Facultad de Ciencias Humanas, Universidad Católica del Uruguay. His research, teaching, and creative interests are wide: communication and humanities in environmental studies; communication, culture, and subcultures in the 1980s; literature and press of the 1900s in the River Plate region; evolution in science fiction; science fiction under the Argentinean dictatorship; and nature in anarchist literature. Leandro has published two novels, short stories, and poetry.

**María Teresa Rodríguez** is a filmmaker, producer, and recipient of Leeway Transformation Award, which recognizes the work of women artists engaged in social change. Her films includes *Mirror Dance*, which received a LASA Award of Merit and a Cine Golden Eagle Award; the documentary series *Unnatural Causes: Is Inequality Making Us Sick?*, which received a 2009 DuPont-Columbia Award and a 2009 Communication Award in TV/Radio/Film from the National Academies; and *From Here to There/ De Aquí a Allá*, which received a First Place Award for Short Documentary at the XVII International Film Festival of Uruguay.

**Micaela Trimble** is Associate Researcher at the SARAS Institute (Uruguay). She holds a Ph.D. in Natural Resource Management and Environment from the University of Manitoba (Canada). She specializes in governance and co-management of socio-ecological systems (watersheds, small-scale fisheries, protected areas). Micaela has led transdisciplinary research on adaptive water governance (GovernAgua Project, and GobHidro Project), and the recently created Latin American Network of PECS (LAPECS), for the Programme on Ecosystem Change and Society.

**Mirian Carballo** is a Professor of English Literature and Comparative Literature at the Universidad Nacional de Córdoba (UNC), Argentina. She is a founder and current director of the Iberian-American Network for Research in Environmental Humanities (Red Iberoamericana de Investigación en Humanidades Ambientales, RIHUA). Mirian's research focuses on ecocriticism, Anthropocene studies, postcolonialism, and interculturalism. She has served as UNC's Head of the International Affairs Office and in national and international associations of higher education.

**Pablo Arturo Mansilla Quiñones** is an Associate Professor at the Instituto de Geografía, Pontificia Universidad Católica de Valparaíso, Chile. Pablo is a researcher of BIOGEOART, an inter- and transdisciplinary platform investigating sustainability and co-conservation through a “rhizomatic immersion” methodology. The platform critiques current dominant discourses on nature-person relationships, proposes new discourses and performances for cultural change, explores nonhuman languages, and applies affective governance.

**Steven Hartman** is the Founding Executive Director of the BRIDGES Sustainability Science Coalition in UNESCO's Management of Social Transformations Program. BRIDGES's goal is to better integrate humanities, social science, and local and traditional knowledge perspectives into research, education and action for global sustainability and resilient responses to environmental and social changes at local and territorial scales. Steven is a founding member and longtime coordinator of the Nordic Network for Interdisciplinary Environmental Studies (NIES).