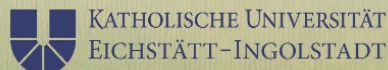




PONTIFICIA
UNIVERSITÀ
GREGORIANA

Faculty of Social Science
Faculty of Theology



TRANSITIONING TO INTEGRAL ECOLOGY?

TRANSDISCIPLINARY APPROACHES

FOR THE GROUNDING AND IMPLEMENTATION OF A HOLISTIC WORLDVIEW

Promoting Integral ecology requires new ways of collaborating between natural science, social science, philosophy and theology. The conference showcases a transdisciplinary method of panel discussions and other interactive means of engaging with this challenge.

*Scio me
nihil scire
Socrates*

*Scientia
potentia
est
Francis Bacon*



**Monday 6 June to
Wednesday 8 June 2022 (afternoons)**
Pontifical Gregorian University, Rome

Participation is free, in person is highly recommended.
Links for online participation will be provided.

All participants must register in advance
for the event by the 3 June 2022: www.unigre.it



For more information, contact:

Faculty of Social Sciences
Pontifical Gregorian University
Piazza della Pilotta, 4 – 00187 Rome
+39 06 6701 5186
segrscienze sociali@unigre.it

CONFERENCE BOOKLET

In collaboration and partnership with:



Programme

Monday 6th June 2022

14:00-14:40 *Arrival and registration (University Foyer)*

INTEGRAL ECOLOGY: NATURAL SCIENTIFIC DIMENSIONS

14:40-19:00 *First session (Aula Magna)*

Moderators:

Kira Vinke, Head of Center for Climate and Foreign Policy at the German Council on Foreign Relations; Scientist at Potsdam Institute for Climate Impact Research

Christian Meier, Research Assistant and Project Consultant for the "Laudato Si' Project" of the Catholic University of Eichstätt-Ingolstadt

14:40-14:50 Greetings

Mark A. Lewis, S.J., Academic Vice Rector of the Pontifical Gregorian University

14:50-15:10 Opening

Paolo Conversi, Coordinator of the "Laudato Si' Observatory" of the Pontifical Gregorian University

Ulrich Bartosch, President of the University of Passau

15:10-15:30 Introductory keynote

Hartmut Graßl, former Director of the "World Climate Research Programme" at World Meteorological Organization (WMO) in Geneva; long-standing chairman of The Federation of German Scientists (VDW)

15:30-16:25 **Panel 1.1:** Natural-Scientific Foundations of Integral Ecology

Input from the discipline

Christine von Weizsäcker, President of the "European Network for Ecological Reflection and Action" (ECOROPA)

Cross-disciplinary debate

Werner Gernerth, Professor of Regional Geography, University of Passau

Louis Caruana, S.J., Professor of Philosophy, Pontifical Gregorian University; Adjunct Scholar at the Vatican Observatory

Debate

16:25-16:35 Break

16:35-17:30	<p>Panel 1.2: Natural Sciences in the Implementation of Integral Ecology: TECHNOLOGICAL TRANSITION</p> <p>Input from the discipline Celia Deane-Drummond, Director of the Laudato Si' Research Institute, Campion Hall, University of Oxford</p> <p>Cross-disciplinary debate María Adelaida Farah, Vice-president of Extension and Interinstitutional Relations, Pontifical Javeriana University Carlo Maria Polvani, Under-Secretary Adjunct of the Pontifical Council for Culture</p> <p>Debate</p>
17:30-17:40	Break
17:40-18:40	<p>Showcase of best practices</p> <p>Presentation/reflection 1.3.1: Science and Ethics Nancy Tuchman, Dean of the School of Environmental Sustainability, Loyola University Chicago</p> <p>Presentation/reflection 1.3.2: Climate negotiations Rodrigo Rodríguez Tornquist, Undersecretary of Knowledge for Development of the Strategic Affairs Secretariat, Presidency of the Republic of Argentina</p> <p>Presentation/reflection 1.3.3: Gene driving / GMOs Timothy Howles, Assistant Director in Research Programming, Laudato Si' Research Institute, Campion Hall, University of Oxford</p> <p>Presentation/reflection 1.3.4: Biodiversity negotiations Amy Woolam Echevarria, International Justice, Peace and Integrity of Creation Coordinator for Columban Missionaries</p> <p>Debate</p>
18:40-19:00	<p>"Enlightenment 2.0 and Integral Ecology" Ernst Ulrich von Weizsäcker, Professor of Environmental Policy, University of Freiburg, Germany; former Co-President of the Club of Rome</p>
19:00-19:30	Brindisi

Tuesday 7th June 2022

INTEGRAL ECOLOGY: SOCIOECONOMIC AND CULTURAL DIMENSIONS

Morning: *Optional meetings in groups*

15:00-19:00 *Second session (Aula Magna)*

Moderator:

René Micallef, S.J., Associate professor, Department of Moral Theology, Pontifical Gregorian University

15:00-15:10 Greetings

Peter Lah, S.J., Pro-Dean of the Faculty of Social Sciences, Pontifical Gregorian University

15:10-15:30 Opening Note: "The Global Compact and Integral Ecology"

Jairo H Cifuentes Madrid, General Secretary of the Pontifical Javeriana University; Sectorial Coordinator of the Global Compact on Education

15:30-15:50 Introductory keynote

Ottmar Edenhofer, Director of the Potsdam Institute for Climate Impact Research (PIK); Director of the Mercator Research Institute for Global Commons and Climate Change; Professor of Climate Economics and Public Policy at the Technical University of Berlin

15:50-16:45 **Panel 2.1:** Economic and Cultural Foundations of Integral Ecology

Input from the discipline

Barbora Šedová, Co-leader of *FutureLab* – Security, Ethnic Conflicts and Migration, Potsdam Institute for Climate Impact Research

Cross-disciplinary debate

Pedro Walpole, S.J., Research Director at the Institute of Environmental Science for Social Change, Philippines

Martin Kirschner, Chair of Theology in Transformational Processes, Catholic University of Eichstätt-Ingolstadt

Debate

16:45-17:00 Break

17:00-17:55 **Panel 2.2:** Economics and Culture in the Implementation of Integral Ecology: CIRCULAR ECONOMY – TRANSITION AND OVERCOMING THE THROWAWAY CULTURE

Input from the discipline

César Attilio Ferrari, Professor at the School of Economics and Administrative Sciences, Pontifical Javeriana University

Cross-disciplinary debate

Theresa Sabonis-Helf, Professor of the Practice and Concentration Chair for Science, Technology and International Affairs, School of Foreign Service, Georgetown University

Bernhard Bleyer, Chair of Theological Ethics, University of Passau

Debate

17:55-18:05 Break

18:05-19:00 **Showcase of best practices**

Presentation/reflection 2.3.1: Índice de Ecología Integral Humanista

Fernando Felipe Sánchez Campos, Rector of the Catholic University of Costa Rica

Presentation/reflection 2.3.2: Pope Francis Global Poverty Index
Henry Schwalbenberg, Associate Professor of Economics, Fordham University

Presentation/reflection 2.3.3: Laudato Si' Action Platform
Joshtrom Kureethadam, S.D.B., Holy See's Dicastery for Promoting Integral Human Development, Chair of Philosophy of Science at the Salesian Pontifical University

Presentation/reflection 2.3.4: Cooperation and Sustainability at the Municipal Level
Thiago Garcia, Project Lead of Connective Cities at the Competence Centre for Local Development Cooperation / Engagement Global, Germany

Debate

Wednesday 8th June 2022

INTEGRAL ECOLOGY: ETHICAL-PHILOSOPHICAL AND THEOLOGICAL DIMENSIONS

15:00-19:45 *Third session (Aula Magna)*

Moderator:

Gerard Whelan, S.J., Associate Professor of Theology, Director of the Department of Fundamental Theology, Pontifical Gregorian University

15:00-15:10 Greetings

Philipp G. Renczes, S.J., Dean of the Faculty of Theology of the Pontifical Gregorian University

15:10-15:30 Introductory keynote

Michael Schuck, Professor of Theology and the School of Environmental Sustainability, Loyola University Chicago

15:30-16:25 **Panel 3.1:** Philosophical and Theological Foundations of Integral Ecology

Input from the discipline

Patrick H. Byrne, Professor of Philosophy and Director of the Lonergan Institute, Boston College

Cross-disciplinary debate

Adam D. Hincks, S.J., Assistant Professor and Sutton Family Chair in Science, Christianity and Cultures, University of Toronto; Adjunct Scholar at the Vatican Observatory

Francesco Gambino, Professor of Civil Law, **University of Macerata**

Debate

16:25-16:35 Break

16:35-17:30 **Panel 3.2:** Philosophy and Theology in the Implementation of Integral Ecology: TRANSITION TO A CULTURE OF INTEGRAL ECOLOGY: Faith, Science, and Politics

Input from the discipline

Cynthia S.W. Crysdale, Professor of Christian ethics and theology, School of Theology, University of the South, Sewanee

Cross-disciplinary debate

Stefania Proietti, Mayor of Assisi, Italy, Associate professor of Energy Systems and Internal Combustion Engines, Marconi University

Anne-Kathrin Lindau, Professor of Geography, Catholic University of Eichstätt-Ingolstadt

Debate

17:30-17:40	Break
17:40-18:40	<p>Showcase of best practices</p> <p>Presentation/reflection 3.3.1: Ecological Conversion in Chad: Advocacy and Local Engagement Noëlie Djimadoumbaye, X.M.C.J., Research associate at the Theology Institute of the Society of Jesus (ITCJ), Ivory Coast</p> <p>Presentation/reflection 3.3.2: The Green Sabbath Project: Adapting Tradition for the Anthropocene Jonathan Schorsch, Professor for Jewish religious and intellectual History, School of Jewish Theology, University of Potsdam</p> <p>Presentation/reflection 3.3.3: Laudato Si' and Ecological Awareness in Hong Kong Anselm Lam, Director of the Centre for Catholic Studies, Chinese University of Hong Kong</p> <p>Presentation/reflection 3.3.4: Education Prem Xalxo, S.J., Coordinator of the Joint Diploma in Integral Ecology, Pontifical Gregorian University</p>
18:40-19:00	<p>Conclusion</p> <p>Paolo Conversi, Coordinator of the "Laudato Si' Observatory" of the Pontifical Gregorian University</p> <p>Ulrich Bartosch, President of the University of Passau</p> <p>Nuno da Silva Gonçalves, S.J., Rector of the Pontifical Gregorian University</p>
19:00-19:45	Final reception

Speakers and Moderators

Ulrich Bartosch

Dr Ulrich Bartosch is the president of the University of Passau since April 2020; he hails from Regensburg. In 2000, he became Professor of Education at the Catholic University of Eichstätt-Ingolstadt (KU). He also taught at Leuphana University of Lüneburg and Kiel University of Applied Sciences. Dr. Bartosch gained his master's-level degrees, *Diplom* and *Magister* in Education and Political Science respectively, at the University of Regensburg. He wrote his doctorate on the history of political ideas under Iring Fetscher and Herfried Münkler in Frankfurt am Main. Up to April 2022, he was Chairman of the Scientific Advisory Board of the Federation of German Scientists (VDW), whose executive board he previously headed from 2009 to 2015. Ulrich Bartosch has initiated the Laudato Si'-project of the KU and VDW and has been head of project from its beginning.



Bernhard Bleyer

Dr. Bernhard Bleyer currently holds the Chair of Theological Ethics at the University of Passau. After his studies at the University of Regensburg and the Universidad Católica in Cochabamba (Bolivia), he received his doctorate at the University of Regensburg (Germany) and his habilitation at the KU Linz (Austria) in moral theology. The last two professional stations led him to the Institute for Sustainability in Technology and Economy (Ostbayerische Technische Hochschule Amberg-Weiden) and to the Faculty of Applied Health Science (Deggendorf Institute of Technology, both in Germany). Recent publications have dealt with responsible consumption and normative questions of sustainable development.



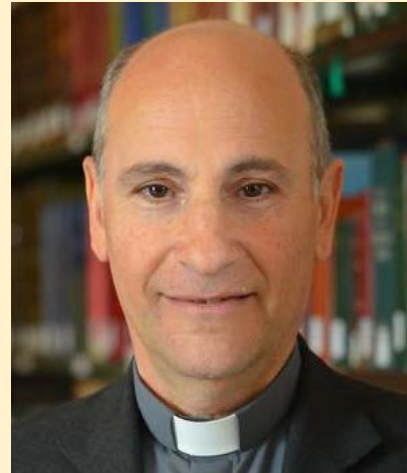
Patrick H. Byrne

Dr. Patrick H. Byrne is Professor of Philosophy and Director of the Lonergan Institute at Boston College. He received his PhD in Philosophy from the State University of New York. His research interests include the relationships between science, evolution, and religion; ethics; the thought of Bernard Lonergan, Albert Einstein, and Aristotle; and the philosophy of service learning. His recent book publication is *The Ethics of Discernment: Lonergan's Foundations for Ethics* (2016) and he is working on a book entitled *Toward Environmental Wholeness: Method in Environmental Ethics*. Other recent publications are, among others, "Desiring and Practical Reason: Macintyre and Lonergan", *International Philosophical Quarterly* (2020), and "Bernard Lonergan", *Oxford Bibliographies. Oxford University Press*, (2019).



Louis Caruana S.J.

Rev. Dr. Louis Caruana is a Jesuit priest, Professor of Philosophy at the Pontifical Gregorian University in Rome, and Adjunct Scholar at the Vatican Observatory. He obtained his first degree in mathematics and physics and then proceeded with a master's degree in philosophy (London) and another one in theology (Paris). He obtained his Ph.D. at the Department of History and Philosophy of Science, University of Cambridge. Previously, he served as Faculty Dean and was a Professor at Heythrop College, University of London. His research deals with the interaction between philosophy of science, metaphysics, and philosophy of religion. His publications include *Holism and the Understanding of Science* (2000), *Science and Virtue* (2006), and *Nature: its conceptual architecture* (2015).



Jairo Humberto Cifuentes Madrid

Dr. Jairo H. Cifuentes Madrid is currently General Secretary of the Pontificia Universidad Javeriana and responsible for the Global Compact on Education. He is also President of the Higher University Council of the Fundación Universitaria CAFAM and President of the Board of the Network of Observatories of Good Practices of University Strategic Management in Ibero-America. He obtained his law degree with specializations in Commercial Law and Socio-Economic Sciences from the Pontificia Universidad Javeriana and an MBA from the University of Miami. He is author of articles and book chapters on higher education topics, and editor of the books "Strategic Management of Universities in the Ibero-America Region – A comparative perspective" (2015) and of "University Government Affairs" (Editorial Javeriana).



Paolo Conversi

Dr. Paolo Conversi is Coordinator of the *Laudato Si' Observatory* of the Pontifical Gregorian University, Rome, where he teaches "Integral Ecology" and "Economics". He also teaches at the Pontifical Lateran University. He graduated in Economics from La Sapienza University of Rome and in Social Sciences from the Pontifical Gregorian University, where he also earned a Ph.D. He then obtained a Ph.D. in Economics from Roma Tre University. After taking part in projects in Mexico, Colombia and Bosnia and Herzegovina, he became an Official of the Section for Relations with States of the Secretariat of State of the Holy See. He has been a member of numerous Holy See's delegations to various international meetings, dealing with sustainable development, climate change, disarmament, and humanitarian assistance.



Cynthia S.W. Crysdale

Dr. Cynthia S.W. Crysdale is an Anglican theologian and professor of Christian ethics and theology at the School of Theology at the University of the South, Sewanee, USA. She graduated from York University in Toronto, Canada, with a B.A. degree in psychology and earned an M.A. and Ph.D. in theology from St. Michael's College in the University of Toronto. Crysdale specializes in foundational theology and ethics with an expertise on the work of Roman Catholic theologian, Bernard Lonergan. She has a long-standing commitment both to ecumenism and the ecological movement. She co-authored *Creator God Evolving World*, (Fortress Press, 2013), and articles such as, "God, Evolution and Astrobiology," in *Exploring the Origin, Extent, and Future of Life* (Cambridge: Cambridge Univ. Press, 2009.) Other publications include, "Lonergan and Feminism," *Theological Studies* 53 (1992), and, *Transformed Lives: Making Sense of Atonement Today* (New York: Church Publishing, 2016).



Celia Deane-Drummond

Dr. Celia Deane-Drummond is currently Director of the *Laudato Si'* Research Institute and Senior Research Fellow in theology at Campion Hall, University of Oxford. She is also honorary visiting Professor in Theology and Science at the University of Durham, and trustee of the International Society for Science and Religion. From 2011 to 2018, she was chair of the European Forum for the Study of Religion and Environment. She is editor of the journal *Philosophy, Theology and the Sciences*, and has published hundreds of articles in academic and other journals. Her recent book publications include, among others, *The Wisdom of the Liminal: Human Nature, Evolution and Other Animals* (2014) and *Theology and Ecology Across the Disciplines: On Care for Our Common Home*, edited with Rebecca Artinian Kaiser (2018).



Noëlie Djimadoumbaye X.M.C J.

Sr. Noëlie Kemneloum Djimadoumbaye is a Chadian Xavière Sister and a doctoral student at Centre Sèvres, Jesuit Faculties of Paris. She specializes in Ethics and Governance and in Urban Geography. She is a research associate at the Research Department of the Institute of Theology of the Society of Jesus (ITCJ) in Abidjan, Ivory Coast, and a member of the Centre for Research and Social Action (CERAS) in Paris. Her latest publications include *Lumière dans notre nuit. Recueil des messages de l'épiscopat tchadien de 1965 à 2020* (2021), *C'est maintenant le temps favorable. Cinq regards de femmes sur la crise* (Paris, Editions Emmanuel, 2021) and "À l'heure de la mobilisation des cathos écolos" in *Revue Projet* 2020/2, no. 375 with Hélène Noisette.



Amy Woolam Echeverria

Amy Woolam Echeverria currently serves as the International Justice, Peace, and Integrity of Creation Coordinator for Columban Missionaries and Co-coordinator of the Ecology Taskforce of the Vatican Covid-19 Commission. In recent years, she has contributed to the founding of international networks and projects such as the Laudato Si' Movement, Laudato si' International Tertiary Scholars Network (LISTEN), the Ecclesial Network for the Panamazon (REPAM) and the Rivers above Asia and Oceania Ecclesial Network (RAOEN). She has served on several Boards and Steering Committees for national and international organizations and coalitions dedicated to peace, social and environmental justice. Amy Woolam Echeverria holds a master's degree in Spirituality with an emphasis in Ecotheology.



Ottmar Edenhofer

Dr. Ottmar Edenhofer is director and chief economist at the Potsdam Institute for Climate Impact Research (PIK) and director of the Mercator Research Institute on Global Commons and Climate Change (MCC). Furthermore, he is professor at the Technical University of Berlin. He holds a M.A. in Economics and completed his doctorate at the Technical University Darmstadt. His memberships include, among others, the German Academy of Science and Engineering acadtech and the German Academy of Sciences Leopoldina. From 2008 to 2015, Edenhofer served as Co-Chair of Working Group III of the Intergovernmental Panel on Climate Change (IPCC). He has published articles and authored several books including *Make or brake — Rich states in voluntary federal emission pricing* (2021) with C. Roolfs, and B. Gaitan.



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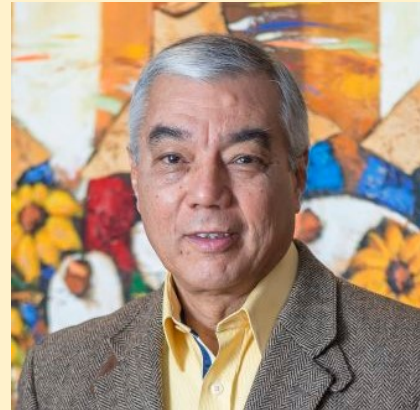
María Adelaida Farah

Dr. María Adelaida Farah Quijano is the Vice-president of Outreach and Inter-Institutional Relations and Professor at the Faculty of Environmental and Rural Studies at the Pontificia Universidad Javeriana, Colombia. During the last 7 years, she was Dean of Faculty of Environmental and Rural Studies at the same University. She has been working there for 30 years as professor, researcher and in academic direction positions. She obtained her undergraduate in Economics and her M.Sc. Program in Rural Development at Javeriana University and received her Ph.D. in Development Studies at University of East Anglia, England. She has participated in an abundance of academic publications and research projects with both national and international colleagues, focusing on rural development, gender issues, sustainable development, and integral ecology.



César Ferrari

Dr. César Attilio Ferrari is Professor of Economics at the Pontifical Universidad Javeriana in the Department of Economics in Bogota, Colombia. He holds a Ph.D. in Economics and a master's degree in Economic Development from Boston University, a master's degree in Urban Planning from New York University, and a Civil Engineer degree from Peru. He has been the International Monetary Fund Advisor to the Central Bank of Angola and Guinea-Bissau, as well as Chief Executive Officer of the Central Bank of Peru, Technical Director of the Peruvian National Institute of Planning, and Financial and Administrative Manager of COFIDE Investment of Peru. His latest books include "Economic Policy, Theory and Practice from the Markets, Capitalism, Crisis, Changes and Evolution in the 21st Century" and "Finance and microfinance for development".



Francesco Gambino

Dr. Francesco Gambino is Professor of Civil Law at the University of Macerata and a member of the Governing Board of the 'Giacomo Leopardi' School. He obtained a PhD in Civil Law from the University of Turin after completing his law degree at Sapienza University of Rome. He researched US contract law at Yale University and spent the first stage of his professional career at an international law firm in London. Gambino is member of several law associations. He has written and edited books as well as papers including "Il rapporto obbligatorio" (2015), which is part of the "Trattato di Diritto Civile" series, and "Normative Control of Environmental Risk in the Chinese Civil Code", delivered at the Sino-European Conference on Chinese Civil Code (2019).



Werner Gamerith

Dr. Werner Gamerith is Professor of Regional Geography at the University of Passau, where he acts as Dean and Speaker of the Academic Senate. After studying geography and geobotany at the Universities of Salzburg and Innsbruck (Austria), he graduated with a diploma thesis in quaternary research in 1991. He graduated from the University of Salzburg with a doctoral degree in ethnic minority research. From 1993 to 2004, he was in the Geography Department at the University of Heidelberg, completing his postdoctoral research in social and cultural geography. Since 2004, Werner Gamerith serves at the University of Passau. From 2014 to 2021, he was President of the German Association for Geography (DGfG). In the University of Passau, he has been in charge of sustainability since 2020.



Photo: © University of Passau

Thiago Garcia

Thiago Garcia has over 15 years of working experience on sustainable development issues including climate change adaptation and mitigation projects, implementation of renewable energy infrastructure in developing countries, regional development, and water/environmental policies. At the Potsdam Institute for Climate Impact Research - PIK, in Germany, he led a climate capacity-building project funded by the German Environmental Ministry together with 3 developing countries. At Engagement Global he currently leads the Connective Cities project. He has researched and written on official development assistance, multilevel governance of climate policies, and regional development. Thiago also has substantial experience working with subnational governments and environmental agencies on energy infrastructure and environmental policy, including as president of the technical chamber at the State Water Council of Minas Gerais/Brazil.



Nuno da Silva Gonçalves S.J.

Rev. Dr. Nuno da Silva Gonçalves, a Portuguese Jesuit, is the Rector of the Pontifical Gregorian University, having been appointed by Pope Francis in 2016, and Associate Professor at the Faculty of History and Cultural Heritage of the Church at the same University. Previously, he was Director of the Department of Cultural Heritage of the Church and Dean of that faculty. From 2005 to 2011, he held the office of Provincial Superior of the Portuguese Province of the Society of Jesus. He has obtained Licenses in Philosophy and Literature, Theology, and History of the Church, and a Doctorate in Church History. He is a member of the Centre for Religious History Studies of the Catholic University of Portugal and of the Portuguese Academy of History. In 2018, Portugal's President conferred on Father Gonçalves the honour of the Order of St James of the Sword, to the rank of Grand Officer.



Hartmut Graßl

Dr. Hartmut Grassl is a physicist working in climate research since 1966. He received his doctorate at Munich and his habilitation at Hamburg. His main research fields have been radiative transfer in the atmosphere with a focus on clouds, aerosol influence on clouds, remote sensing of water cycle components from space and the ground. In addition, he was an adviser to the government and the parliament on climate matters. From 1994 to 1999, he has been the director of the World Climate Research Programme at WMO in Geneva. At present, he is still working at the Max Planck Institute for Meteorology in Hamburg, Germany, as one of the former directors. He is actively engaged in the Federation of German Scientists.



Photo: © Max-Planck-Institut für Meteorologie

Adam D. Hincks, S.J.

Rev. Dr. Adam D. Hincks, S.J., is a Jesuit priest and an assistant professor in the Dept. of Astronomy & Astrophysics and St. Michael's College, University of Toronto, where he is the inaugural holder of the Sutton Family Chair in Science, Christianity and Cultures. He is an adjunct scholar of the Vatican Observatory. He received a bachelor's degree in astronomy and physics from the University of Toronto and a doctorate in physics from the Princeton University, and has also done studies in philosophy at Regis College (Toronto), a bachelor of sacred theology at the Gregorian University, and a master of theology and licentiate in sacred theology at Regis College. Recent publications include articles in *The Astrophysical Journal*, *Monthly Notices of the Royal Astronomical Society* and *Method: Journal of Lonergan Studies*.



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Timothy Howles

Rev. Dr. Timothy Howles is Assistant Director for Research Programming at the Laudato Si' Research Institute and Junior Research Fellow in Political Theology, Campion Hall, University of Oxford. After degrees in English and French Literature at the University of Cambridge, and then International Politics at the LSE, Tim studied theology at the University of Oxford, completing his doctorate in 2018. His research lies at the intersection of politics, theology and philosophy, with a special focus on our understanding of the planetary crisis. He has written substantially on the work of French theorists Bruno Latour and Michel Serres, and more recently on the British scientist James Lovelock. Tim is currently involved with a project at the LSRI investigating attitudes to gene drive technologies in South American countries.



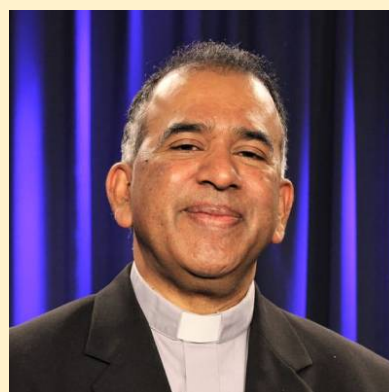
Martin Kirschner

Rev. Dr. Martin Kirschner holds the chair for Theology in Transformational Processes and is director of the KU Center for Religion, Church and Society in Transformation (ZRKG) at the Catholic University of Eichstätt-Ingolstadt. He is also a permanent deacon. After studying Catholic theology (Dipl.) and political sciences (M.A.) in Trier and Tübingen, he received his doctorate and his habilitation in Tübingen. He was a research assistant and assistant of the chair of dogmatics in Tübingen (2001-2011) and administered the chair of dogmatics from 2012 to 2016 as private lecturer. In 2015 he became a grant holder of the Heisenberg-Programme of the DFG and established the new Chair for Theology in Transformational Processes. His main research interests include the doctrine of God, ecclesiology and many more.



Joshtrom Isaac Kureethadam S.D.B

Rev. Dr. Joshtrom Isaac Kureethadam is a Salesian priest and Coordinator of the Sector of "Ecology & Creation" at the Vatican Dicastery for Promoting Integral Human Development. He is also Chair of Philosophy of Science and Director of the Institute of Social and Political Sciences at the Salesian Pontifical University in Rome. He has been particularly associated with the study and diffusion of *Laudato Si'*. His most recent publications include *Creation in Crisis: Science, Ethics and Theology* (Orbis Books, 2014), *The Philosophical Roots of the Ecological Crisis* (Cambridge Scholars, 2017), *The Ten Green Commandments of Laudato Si'* (Liturgical Press, 2019).



Peter Lah S.J.

Rev. Dr. Peter Lah, a Slovenian Jesuit, is Pro-dean and associate professor at the Faculty of Social Sciences of the Pontifical Gregorian University where he has been teaching courses in media studies and journalism for many years. More recently, his interest expanded to questions of media literacy and organizational communication which he has been teaching both at the University and outside. Between 2008 and 2011 he held teaching and administrative positions at the Faculty of Media in Ljubljana and at the Faculty of Applied Social Sciences in Nova Gorica, Slovenia. Before, he was assistant professor at Saint Louis University, Missouri. His recent publications include *Navigating hyperspace: A comparative analysis of priests' use of Facebook* (Resource Publications 2021) and *The scandal of secrecy* (Gregorianum 2020).



Anselm Lam

Dr. Anselm Lam is the Director of the Centre for Catholic Studies in The Chinese University of Hong Kong and has been an Assistant Professor of the Department of Social Science in Hang Seng University of Hong Kong for nine years. He received his licentiate in Philosophy from the Pontifical Gregorian University in Rome and his Doctorate in Political Science from Boston College in the United States. His research interest covers Political Philosophy and Catholic Social Ethics.



Mark A. Lewis S.J.

Rev. Dr. Mark Lewis, an American Jesuit, is the Academic Vice Rector of the Pontifical Gregorian University and an associate professor at the Faculty of History and Cultural Heritage of the Church at the same university. He obtained the licentiate in both Philosophy (St. Louis University) and Theology (Regis College, Toronto) as well as a Ph.D. in History from the University of Toronto in 1995. He was a member of the Jesuit Historical Institute (IHSI) in Rome for 10 years from 1995 to 2004. As Director of the Institute, he oversaw the completion of the *Diccionario Histórico de la Compañía de Jesús*. He also served as Provincial Superior of the New Orleans Province of the Society of Jesus. His primary area of research is the early Society of Jesus and its educational institutions.



Photo: © Office of Communications, PUG

Anne-Kathrin Lindau

Dr. Anne-Kathrin Lindau is the Chair of Geography Didactics and Sustainable Development Education (ESD) at the Catholic University of Eichstätt-Ingolstadt (KUEI) (Germany) since 2019. She also holds the position of "Sustainability Coordinator" at KUEI. After studying geography and German as teaching subjects and gaining sound practical experience at various schools, she was active in research and teaching students in geography didactics and ESD. In teaching, she is committed to increasing the implementation of ESD in schools and teacher training. Her research interests focus on the professionalization of teachers, climate change education, service learning as well as wilderness education, e.g., through field trips with geography students with a special focus on ESD.



Christian Meier

Christian Meier is research assistant at the Catholic University of Eichstätt-Ingolstadt (KU) since 2016, since 2020 at the Chair of Geography Didactics and Education for Sustainable Development. He is PhD candidate at the Faculty of Business and Economics. Since 2016, he manages the Project "Laudato Si' – The papal encyclical in discourse for a Great Transformation towards sustainability" of the KU and the Federation of German Scientists (VDW). He was coordinator of the „KU.Sustainability Research Lab“ for two years. He studied languages, economics, and cultural studies at the University of Passau, spent one year of study and work in Rome and obtained a degree as "Diplom-Kulturwirt" in 2008. From 2010 to 2014, he worked as leader of study programs in business management at "Campus M21" at Munich. He is co-editor of three books.



Photo: © KU/Christian Klenk

René Micallef S.J.

Rev. Dr. René Micallef is a Maltese priest and member of the Society of Jesus. He is an Associate Professor of Moral Theology and Social Ethics at the Faculty of Theology of the Pontifical Gregorian University, specializing in topics such as migration, conflict, human rights, and the sources of moral reasoning. He holds an undergraduate degree in Biology and Chemistry (University of Malta), graduate degrees in Philosophy (University of London) and Theology (Facultés Jésuites de Paris; Universidad Pontificia Comillas - Madrid). His doctoral work in Sacred Theology, defended at Boston College (2013), focused on the ethics of migration policies. In 2020, he published *Diritti umani: un'eredità viva: Piccolo lessico per l'etica pubblica* (G&B Press, Rome) with Rocco D'Ambrosio.



Carlo Maria Polvani

Mgr. Dr. Carlo Maria Polvani is Adjunct Sub-Secretary of the Pontifical Council of Culture. He received his PhD at McGill University in Montréal in the Department of Biochemistry. After a Master of Divinity with distinction at the *Weston School of Theology* in Cambridge, Massachusetts, he completed his Doctorate in Canon Law at the *Pontifical Gregorian University* in Rome. In 1999 he served as Secretary in the Apostolic Nunciature in Mexico and was called to the Secretariat of State. Since 2007, he is in charge of the Information and Documentation Office, as well as being the Representative of the Holy See in the Government Advisory Committee of the Internet Corporation for Assigned Names and Numbers (ICANN). He collaborates with *L'Osservatore Romano* with articles on mathematics, science and technology.



Stefania Proietti

The Honorable Dr. Stefania Proietti has been the Mayor of the Seraphic City of Saint Francis since June 2016. She holds a master's degree in Mechanical Engineering from the University of Perugia and a PhD in Industrial Engineering. She was a university professor in Perugia and Rome and member of many associations. Proietti is author of over 60 scientific publications, inventor of patents in the energy and environmental sector, winner of several European projects and tenders and energy manager and certifier of buildings. She is also speaker at various Climate Conferences of the United Nations and many other global climate conferences, as well as elected vice president of the city association for the fraternity since 2019. Her research focuses on climate change mitigation, sustainability and energy and carbon management.



Philipp G. Renczes S.J.

Rev. Dr. Philipp Gabriel Renczes is a German Jesuit, professor in systematic and patristic theology in the Faculty of Theology of the Pontifical Gregorian University, of which he is the current dean. He is a visiting professor at the Pontifical Oriental Institute and the Pontifical Institute "Augustinianum". From 2011 to 2017, he was director of the Cardinal Bea Center for Judaic Studies at the Pontifical Gregorian University. He graduated in History of Religion and Religious Anthropology from the Sorbonne and in Theology from the Institut Catholique in Paris. An internationally renowned scholar of St. Maximus the Confessor, he has held professorships at Marquette University and Georgetown University. His numerous publications are devoted to theological anthropology of the Fathers, theology of grace and theology of the Jewish-Christian relationship.



Theresa Sabonis-Helf

Dr. Theresa Sabonis-Helf is a professor in the Georgetown School of Foreign Service Master's Degree program and serves as the Inaugural Chair of the Science, Technology, and International Affairs concentration. She holds a Ph.D. in Political Science from Emory University and an MPA in International Affairs from Princeton University. Before, she was a Professor at the National War College in Washington DC. She assisted two nations with the development of their first National Security Strategies, has written a book on Caucasus energy issues and has co-edited two volumes on Central Asia's political and economic transition. Her research focuses on energy, climate change, regional water, and electricity. She is an advisor to the US Department of State and USAID and member of the Council on Foreign Relations.



Fernando Felipe Sánchez Campos

Dr. Fernando Felipe Sánchez Campos serves as Rector of the Catholic University of Costa Rica. He is also President of the *Red de Universidades Católicas de América Central*, Vice President of the International Federation of Catholic Universities as well as of the *Asociación Unidad de Rectores de las Universidades Privadas de Costa Rica*, and Second Vice President of the *Organización de Universidades Católicas de América Latina y el Caribe*. Previously, he has worked in the public sector as a diplomat, representing the Republic of Costa Rica as Ambassador to the Holy See, to the Sovereign Order of Malta, and as Permanent Representative to the UN agencies FAO, IFAD, and the WFP. Today, he has published 9 books with another one in press, several book chapters, and various academic articles, and been acknowledged with several national and international awards.



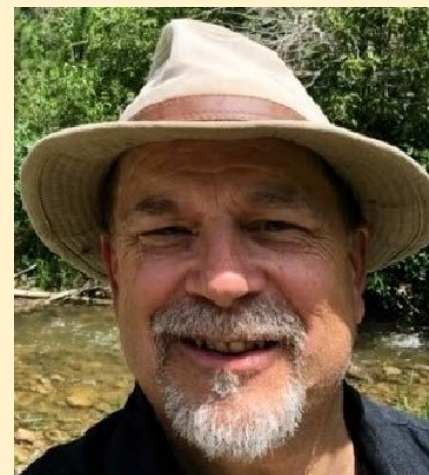
Jonathan Schorsch

Dr. Jonathan Schorsch serves as Professor of Jewish Religious and Intellectual History at the University of Potsdam. He holds a BA in Comparative Literature from Columbia University, an MA in Jewish Studies from the Graduate Theological Union and a PhD in History from the University of California-Berkeley. He founded the Green Sabbath Project in 2019 and the Jewish Activism Summer School in 2016, both of which he directs. His most recent book is *The Food Movement, Culture and Religion: A Tale of Pigs, Christians, Jews and Politics* (New York: Palgrave, 2018). Other recent publications include "The Return of the Tribe: Jews, Counterculture and Native Americans," *Common Knowledge* (2021), and "Looking for an Ecological God," *Ehyeh Asher Ehyeh*, ed. Martin S. Cohen, Saul Berman and David Birnbaum (2019).



Michael Schuck

Dr. Michael Schuck is a Professor of Roman Catholic Social Thought in the Department of Theology and a Professor of Environmental Justice at Loyola University Chicago. He holds a doctoral degree in Ethics and Society and master's degrees in religious studies and political science from the University of Chicago. He is the Founding Director of the Joan and Bill Hank Center for the Catholic Intellectual Heritage and currently assists the Vatican Dicastery for Promoting Human Development with global university engagement in the Laudato Sí Action Platform. His published works include *That They be One: Social Teaching of the Papal Encyclicals, 1740-1989* (1998) and the online textbook on integral ecology with Nancy Tuchman, *Healing Earth*.



Henry Schwalbenberg

Dr. Henry Schwalbenberg is an Associate Professor of Economics at Fordham University where he also directs Fordham's Graduate Program in International Political Economy and Development. Columbia University awarded him the Ph.D. in economics, a Master of International Affairs, and a Bachelor of Science in Engineering. He has won two Fulbright Fellowships and several teaching awards. His previous research has focused on international trade, foreign aid, foreign investment, Philippine economic history, and Catholic Social Teaching. Currently, Schwalbenberg has been studying multidimensional measures of global poverty. He is the editor and research director of the annual report of Fordham's *Pope Francis Global Poverty Index*.



Barbora Šedová

Dr. Barbora Šedová co-leads the FutureLab – Security, Ethnic Conflicts and Migration at the Potsdam Institute for Climate Impact Research (PIK). She earned her PhD in Economics at Mercator Research Institute on Global Commons and Climate Change in Berlin and the University of Potsdam and conducted research stays at Columbia and Yale University. In her work, she analyses contextual effects of climate impacts on human (im)mobility and conflicts, applying econometrics, machine learning, GIS, and systematic literature review. The overarching goal of her research is to improve adaptation strategies that minimize welfare losses in a changing climate. Her work has been published in peer-reviewed journals, including *World Development* and *Global Environmental Change*, and covered by various media (e.g., *Deutsche Welle*).



Rodrigo Rodríguez Tornquist

Rodrigo Rodríguez Tornquist is Undersecretary of Knowledge for Development at the Secretariat of Strategic Affairs of Argentina. He is former Secretary of Climate Change, Sustainable Development, and Innovation at the Ministry of Environment and Sustainable Development of Argentina and Chair of the UN's The 10-Year Framework of Programmes on Sustainable Consumption and Production. He has completed postgraduate studies in Public Policy and in Environmental Management and performed as a Research Fellow at the MIT. He was a member of the Steering Committee of the UN's IRP, President of the Executive Committee of the Latin American Platform for the Development of Low Emissions, Co-Chair of the T-20's Agenda 2030 Working Group, Director of the degree in Leadership for Transformation of the CAF-Development Bank of Latin America, and technical advisor for UNEP's subregional office.



Nancy Tuchman

Dr. Nancy Tuchman is Professor in the biology department at Loyola University Chicago conducting research on human impacts on Great Lakes coastal wetlands. She served as Program Officer at the National Science Foundation's Ecosystem Studies Program from 2002 to 2003 and was President of the International Society of Freshwater Science from 2009 to 2010. She also served as Associate Provost for Research at Loyola and developed the Office of Sustainability. She then acted as Vice Provost and was appointed the Institute's Founding Dean. Tuchman chairs the International Association of Jesuit Universities' Task Force on Environmental & Economic Justice. She and Michael Schuck co-edit the online textbook *Healing Earth*, which received the inaugural Expanded Reason Award from Pope Francis and the Vatican in 2017.



Kira Vinke

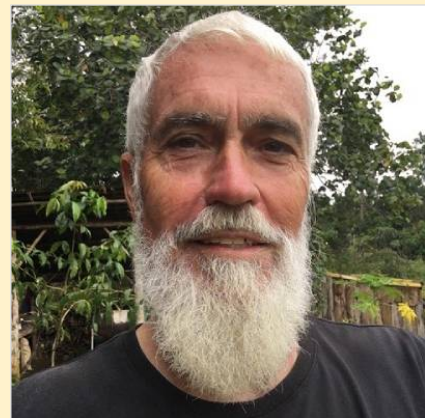
Dr. Kira Vinke heads the Center for Climate and Foreign Policy at the German Council on Foreign Relations (DGAP). She co-chairs the Advisory Board to the German Federal Government on Civilian Crisis Prevention and Peacebuilding. Vinke is affiliated as a scientist with the Potsdam Institute for Climate Impact Research (PIK). She provided her expertise as a consultant for the GIZ and the ADB. She has extensive field research experience in South Asia, the Pacific, and the Sahel. Vinke completed her doctoral dissertation at Humboldt-Universität zu Berlin on the subject of climate change and migration. Vinke is a member of the board of trustees of World Vision Deutschland e.V., the German association of Action Against Hunger, and the Development Service and Humanitarian Aid Committee of Brot für die Welt.



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Pedro Walpole S.J.

Rev. Dr. Pedro Walpole is a Jesuit based in the Philippines, who works in community land management in Southeast Asia with communities, universities, international organizations, and governments. He is a global coordinator for GIAN Ecology Network (Ecojesuit) to care for creation under the Social Justice and Ecology Secretariat, Rome, and for the IAJU Task Force on Economics and Ecology, as well as the Director for Research at Environmental Science for Social Change, Philippines. His doctorate is in land use change from King's College, London. He directs the Apu Palamguwan Cultural Education Center operating an upland culture-based education program (K-12) and the Forest Farm and Leadership in the Margins program for cultural integrity with the youth in northern Mindanao where he continues to live with the Pulangiyen community.



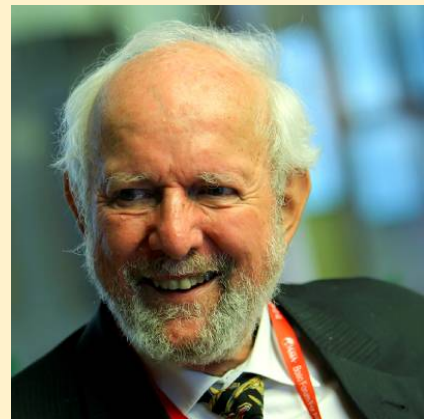
Christine von Weizsäcker

Christine von Weizsäcker is a biologist, author, and environmental activist. She is President of Ecoropa and member of the Advisory Committee of the German Society for Human Ecology. She has served in many women's, consumers', scientific and environmental organizations. Her publications and awards are numerous. Since the Seventies, she has advised civil society on the assessment of technologies. And, since the Earth Summit in Rio in 1992, she has been focusing on the negotiations of the Convention on Biological Diversity (CBD) and its Protocols. In the present negotiations of the CBD, the systemic integration of environmental protection and sustainable use, human rights and equity is the hotly debated, yet unresolved task.



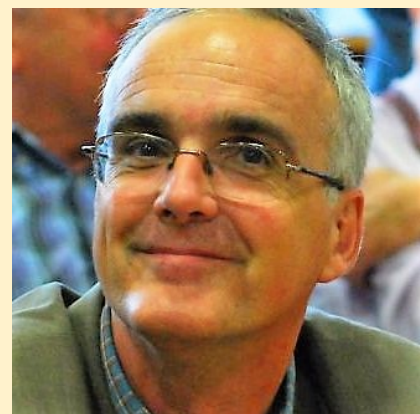
Ernst Ulrich von Weizsäcker

Dr. Ernst Ulrich von Weizsäcker, who earned his Ph.D. in biology at Freiburg University, was professor of biology at Essen University. He was the Founding President of the Wuppertal Institute for Climate, Environment, and Energy from 1991 to 2000, and later served i. a. as a Member of the German Bundestag, Dean of the University of California and Co-Chair of the International Resource Panel. He is now honorary professor at Freiburg University. Together with Anders Wijkman, von Weizsäcker was Co-President of the Club of Rome from 2012 to 2018 and is now its Honorary President. He received three honorary doctorates, the Duke of Edinburgh Gold Medal and the Grand Cross of Merit (Germany) among other international prizes. His books include *Earth Politics* (1989), *Come On!* (2018, with Anders Wijkman) and many more.



Gerard Whelan S.J.

Rev. Dr. Gerard Whelan is an Irish Jesuit and Director of the Department of Fundamental Theology at the Pontifical Gregorian University, Rome. He holds an M.A. in Economics and a Ph.D. in Systematic Theology. He taught theology at Hekima College and the Jesuit School of Theology at Nairobi and was a pastor while living in Zambia and Kenya. He helped with the representation of the Holy See to UN-HABITAT from 2001 to 2006 and was appointed as Ecclesiastical Assistant of the World Union of Catholic Women's Organizations from 2011 to 2021. He devotes time to spiritual direction and is author of *Redeeming History: Social Concern in Bernard Lonergan and Robert Doran* (2013) and *A Discerning Church: Pope Francis, Lonergan, and a Theological Method for the Future* (2019) among others.



Prem Xalxo S.J.

Rev. Dr. Prem Xalxo is an Indian Jesuit and senior lecturer in Moral Theology at the Gregorian University in Rome. He received his Licentiate from Accademia Alfonsiana, Rome, and his Doctorate from the Gregorian University. His primary fields of interest and research are Ecological Ethics and Ethical-Theological Vision of Social Communications. After the promulgation of *Laudato si'*, he has been coordinating a Joint Diploma in Integral Ecology, a joint venture of the Pontifical Universities of Rome to create an interuniversity and interdisciplinary collaboration for a common cause – *Care for Our Common Home*. Two of his recent articles, "Ecología Integral: Fundamentos Teológicos y Antropológicos" and "Covid-19 and the Call to sanitize Human Conscience", were published by *AUSP Barcelona* and *Warszawskie Studia Teologiczne*.



Origin and Objectives of the Event

The title of the conference highlights two major notions: "integral ecology" and "transdisciplinarity". We decided to bring these two concerns together after a series of online meetings held in 2020-21, organized by the *Laudato Si' Observatory* (LSO), of the Pontifical Gregorian University in Rome, representatives of the German Catholic University of Eichstätt-Ingolstadt (KUEI), initially led by Professor Ulrich Bartosch, the Federation of German Scientists, and "The Club of Rome". Several academics from University of Passau joined the process when prof. Bartosch became president of that university. The online meetings served to build momentum for an international conference, which had to be postponed repeatedly due to the COVID-19 pandemic. In fact, the pandemic showed us the importance of including holistic thinking in our approach to the ecological crisis and transition.

During our two-year online process, participants came from a diversity of backgrounds, in natural sciences, social sciences, philosophy, and theology. We realized that the collaboration of academics from different disciplines is at once highly important, stimulating, and difficult. Any progress in coming to joint conclusions takes time. This reminded us of a recent text by Pope Francis which calls academics to a style of reflection blending interdisciplinarity with a deeper, more holistic and more challenging form of academic dialogue which he calls transdisciplinarity (or "cross-disciplinarity", in some translations). We understand the latter concept to refer to a broader "unity of knowledge" towards which each distinct academic discipline makes its contribution (Pope Francis, *Veritatis Gaudium*, Introduction, paragraph 4.) Such a notion of transdisciplinarity lies at the heart of this conference.

In the main title of the conference, we privilege the notion of "integral ecology", following the terminology of Pope Francis in his encyclical *Laudato si'*. However, we recognize that ecological debate is producing a move toward what the subtitle calls a "holistic worldview" that employs a variety of vocabularies. This is evident, for instance, when The Club of Rome speaks of "New Enlightenment" (in the publication *Come On!*), or in documents such as the UN Agenda 2030 (which refer to "Sustainable Development Goals"), and in those used in the implementation of the 2015 COP 21 Paris Agreement. We believe that the transition toward a culture and practice of integral ecology is already underway in many parts of the world, but we believe that this needs to be assisted by further transdisciplinary reflection.

This conference is as interested in modelling a process of reflection as in arriving at concrete proposals; nevertheless, we hope to produce a publication on the basis of some of the presentations. In the conference's three afternoon sessions, prominence is given to one kind of academic discipline in each afternoon: natural sciences; social sciences; and philosophy/theology. In each afternoon, we will first listen to speakers coming from the disciplines being featured. Then, in two panel discussions, we welcome other perspectives on the topic from scholars pertaining to other disciplines.

The structure of each afternoon has two further characteristics. The first relates to the terms “grounding” and “implementation” in our subtitle. Each afternoon, we devote one panel to the question of “grounding” the notion of integral ecology, and another to that of its “implementation”. The questions we will ask in the first panel are, for instance: Which are the key notions that our disciplines can contribute to anchor the debate on “integral ecology”? What are the presuppositions we need to share in order to orient our individual disciplines towards a transdisciplinary outcome? What method need we use to achieve this? The second panel (i.e. implementation) involves asking ourselves how integral ecology is being (or can be) realized in one or other field of endeavour. We explore ways in which, also here, a transdisciplinary perspective is important.

The second characteristic of our conference method is that at the end of each afternoon, we offer a series of “best practices” of the implementation of integral ecology, providing a practical complement to the more academic discussions that precede them.

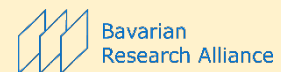


In loving memory of Fr. Jacquelineau Azétsop SJ (1972-2021), former dean of the Faculty of Social Sciences at the P. U. Gregoriana, who energetically supported our work on this event.

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Conference homepages for more information:

<https://www.unigre.it/en/events-and-communication/events/events-calendar/transitioning-to-integral-ecology-transdisciplinary-approaches-for-the-grounding-and-implementation-of-a-holistic-worldview1/>

<https://laudato-si-transformation.de/veranstaltungen/rome2022conference-transitioning-to-integral-ecology/>