Inventory of Faculty conducting sustainability-related research. January 2017

<table>
<thead>
<tr>
<th>Department Name</th>
<th>Name</th>
<th>Research Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preventive Medicine</td>
<td>Abigail Silva</td>
<td>Health Care Access and Built Environment</td>
</tr>
<tr>
<td>School of Education</td>
<td>Adam Kennedy</td>
<td>Early Childhood Science Education</td>
</tr>
<tr>
<td>Chemistry</td>
<td>Alan Fitch</td>
<td>Toxins in the Environment</td>
</tr>
<tr>
<td>Management</td>
<td>Alexi Marcuse</td>
<td>Business Ethics</td>
</tr>
<tr>
<td>Management</td>
<td>Alfred Gin</td>
<td>Corporate Ethics</td>
</tr>
<tr>
<td>History</td>
<td>Alice Weinreb</td>
<td>The history of the industrial food system, and it’s relationship to modern warfare</td>
</tr>
<tr>
<td>International Law</td>
<td>Allen Gneenberger</td>
<td>European law</td>
</tr>
<tr>
<td>Social Work</td>
<td>Amy Kings</td>
<td>Amy’s research interests include community organization, social movements, urban politics, and social justice education.</td>
</tr>
<tr>
<td>Humanities</td>
<td>Andy Alex-Baker</td>
<td>Have a book project on the Incarcertion and Ecotoxicology, specifically dealing with nonhuman animals.</td>
</tr>
<tr>
<td>Management</td>
<td>Anne Roily</td>
<td>Corporate social responsibility reports for scope &amp; link to sustainability - assessing development of the Chief Sustainability Officer within their projects, exploring the link between gender, leadership, and sustainability engagement in large global companies.</td>
</tr>
<tr>
<td>Political Science</td>
<td>Annette Steinacker</td>
<td>Relationship of smart growth strategies with local economic development.</td>
</tr>
<tr>
<td>Health Policy</td>
<td>Alan Mathew Hargreaves</td>
<td>Focused on exploring the complex interaction of human-pathogen-environment specifically related to hepatitis.</td>
</tr>
<tr>
<td>Nursing</td>
<td>Barbara Viator Friedrich</td>
<td>Em. Health interventions</td>
</tr>
<tr>
<td>Digital Ethics and Policy</td>
<td>Eastan Vanacker</td>
<td>Bioethics</td>
</tr>
<tr>
<td>Biology / Ecology</td>
<td>Bree Sines</td>
<td>Ecology</td>
</tr>
<tr>
<td>Environmental Science</td>
<td>Brian Ohowski</td>
<td>As a researcher scientist, I am invested in the preservation and, when necessary, restoration of aquatic and terrestrial ecosystems.</td>
</tr>
<tr>
<td>Anthropology</td>
<td>BriAnna Langle</td>
<td>She is interested in the development and long-term sustainability of agricultural systems. Recently she has been studying how terraced fields, cropping schemes, and foodways were tuned to warfare and climate oscillations for a large community living in the hinterlands near Lake Titicaca between AD 1100 and 1450.</td>
</tr>
<tr>
<td>Bio / Molecular Biology</td>
<td>Bryan Pickett</td>
<td>Gene regulation for public health</td>
</tr>
<tr>
<td>Env. Science</td>
<td>Chris Peterson</td>
<td>Aquatic ecology</td>
</tr>
<tr>
<td>Marketing</td>
<td>Clifford Shultz</td>
<td>Interactions among markets, marketing, society, social traps and constructive engagement as predictors for sustainable peace, prosperity and quality of life. Particular interest in commons/resource dilemmas; environmental policy in devasted, recovering and transitioning economies – including countries of the Mekong Basin, Balkans, Middle East and Latin America – effects of globalization on sustainable development.</td>
</tr>
<tr>
<td>Inst. Pastoral Studies</td>
<td>Dale Avis</td>
<td>Green geranitization</td>
</tr>
<tr>
<td>Anthropology</td>
<td>Daniel Ancik</td>
<td>Material culture, recycling, consumption, waste, environmental change and human adaptation</td>
</tr>
<tr>
<td>Science Education</td>
<td>Daniel Birmingham</td>
<td>Place-based science education</td>
</tr>
<tr>
<td>Humanities</td>
<td>Daniel Burke</td>
<td>Literature and ecology - how literary art reflects and shapes human understanding of our place &amp; (impact) in the natural world.</td>
</tr>
<tr>
<td>Inst. Pastoral Studies</td>
<td>Daniel Rhodes</td>
<td>My focus is on theological critiques and counter-vision of economics.</td>
</tr>
<tr>
<td>Philosophy</td>
<td>David Ingram</td>
<td>Ingram's areas of specialization are social and political philosophy, philosophy of law, philosophy of social science, critical race theory, and contemporary German and French philosophy.</td>
</tr>
<tr>
<td>Criminal Justice</td>
<td>David Olsen</td>
<td>Examining the relationship between weather patterns and crime in Chicago</td>
</tr>
<tr>
<td>Bio / Molecular Biology</td>
<td>David Oza</td>
<td>Healthcare Ethics</td>
</tr>
<tr>
<td>Business and Corporate Governance Law</td>
<td>David Rieser</td>
<td>Environmental Law</td>
</tr>
<tr>
<td>Computer Science</td>
<td>David Wetzel</td>
<td>My research concerns the sustainability of digital art in the face of rapid change. I am engaged in preserving cultural traditions at the intersection of fine arts and technology. This runs into issues related to society and the economy considering the impact of commercial technological developments on the ability of artists to develop and maintain their work.</td>
</tr>
<tr>
<td>Children's Law and Policy</td>
<td>Diane Geraghty</td>
<td>Ethics and Juvenile Law</td>
</tr>
<tr>
<td>Journalism</td>
<td>Elizabeth Coffman</td>
<td>Environmental Documentary</td>
</tr>
<tr>
<td>History</td>
<td>Elizabeth Shermer</td>
<td>Current research looks at the financial sustainability of higher education, both colleges and universities and the student loan industry.</td>
</tr>
<tr>
<td>Engineering Science</td>
<td>Ganesh Sivanadran</td>
<td>Hydrology and climate modeling</td>
</tr>
<tr>
<td>Computer Science</td>
<td>George Thiruvathukal</td>
<td>My software engineering research (funded by NSF) is aimed at understanding sustainable practices in open source projects. Open source (and all things open, such as open access, open government, etc.) and the use of technology is a key driver for most discussions about the environment. While my work does not specifically target environmental issues, many of the projects I am tracking through my software are used by science, especially climate sciences.</td>
</tr>
<tr>
<td>Divinity</td>
<td>Heidi Russell</td>
<td>Science and theology</td>
</tr>
<tr>
<td>Social Work</td>
<td>Holly Nelson-Becker</td>
<td>As defined in social terms yes. My research/training is on aspects of wisdom and aging--trying to transfer this knowledge to younger generations and interprofessional palliative care.</td>
</tr>
<tr>
<td>Biology</td>
<td>Howard Luten</td>
<td>We are addressing questions of the evolution of crop plants and to some degree the need to understand processes related to how crops may or may not adapt to the challenges of climate change with and without science-based human interventions.</td>
</tr>
<tr>
<td>Philosophy</td>
<td>J.D. Trout</td>
<td>Philosophy of Science</td>
</tr>
<tr>
<td>International Law</td>
<td>James Thao Gahle</td>
<td>Extractive industries</td>
</tr>
<tr>
<td>Information Systems and Operations Management</td>
<td>James Zydiak</td>
<td>Supply chain management</td>
</tr>
<tr>
<td>American Studies</td>
<td>Jeffrey Glower</td>
<td>Colonial Development</td>
</tr>
<tr>
<td>Bioethics</td>
<td>Jennifer Parks</td>
<td>Healthcare Ethics</td>
</tr>
<tr>
<td>Continuing Education (Dean)</td>
<td>Jessica Depinto</td>
<td>Transparency in supply chain and the role of regulations in supporting the transparency. I am researching recent legislation post-Rana factory disaster to address sustainability in the suppliers’ labor practices.</td>
</tr>
<tr>
<td>General Nursing</td>
<td>Joanne Koub</td>
<td>Community garden and food access projects in the Provaco Township area, including the Provaco Partners for Health community coalition.</td>
</tr>
<tr>
<td>Management</td>
<td>John Boatsight</td>
<td>Business Ethics</td>
</tr>
<tr>
<td>Political Science</td>
<td>John Freidrich</td>
<td>Support for and opposition to corn-based ethanol as a biofuel</td>
</tr>
<tr>
<td>Biology / Molecular Biology</td>
<td>John Kelly</td>
<td>Microbial Ecology</td>
</tr>
<tr>
<td>Environmental Science</td>
<td>John Zahina-Ramos</td>
<td>Documenting and quantifying the benefits of sustainable urban agriculture</td>
</tr>
<tr>
<td>Biostatistics</td>
<td>Joseph Milosovich</td>
<td>Climate change / Hortoplogy</td>
</tr>
<tr>
<td>Archeology</td>
<td>Juliet Brophy</td>
<td>Paleoenvironments</td>
</tr>
<tr>
<td>Sociology</td>
<td>Kathleen Maas Wiegert</td>
<td>Education for justice and peace; nonviolence; homelessness; the Catholic social tradition</td>
</tr>
<tr>
<td>Sociology</td>
<td>Kelly Moore</td>
<td>Among other things, I study urban food politics, and I work with doctoral and MA students who study the relationship between water, seeds, and political systems in Latin America.</td>
</tr>
<tr>
<td>Biology / Molecular Biology</td>
<td>Kim Williamson</td>
<td>Immunology</td>
</tr>
<tr>
<td>Bioinformatics</td>
<td>Konstantin Lauffer</td>
<td>Air / Water Pollution</td>
</tr>
<tr>
<td>Infectious Disease</td>
<td>Lee Cera</td>
<td>Infectious Disease</td>
</tr>
<tr>
<td>CTR FOR ETHICS/HEALTH POLICY</td>
<td>Lena Hatchett</td>
<td>Community-engaged research, racial and economic health disparities, urban agriculture, positive youth development</td>
</tr>
<tr>
<td>History</td>
<td>Leslie Dossey</td>
<td>My book in progress, A History of the Night in Late Antiquity, examines how people under the Roman Empire began to work later hours and consume more. This is connected to greater exploitation of their environment (and the creation of a consumption oriented economy, similar to our own).</td>
</tr>
<tr>
<td>Information Systems and Operations Management</td>
<td>Maciek Nowak</td>
<td>Supply chain management</td>
</tr>
<tr>
<td>Public Health</td>
<td>Maria Picken</td>
<td>Lyme Disease</td>
</tr>
<tr>
<td>Physics</td>
<td>Maria Udofa</td>
<td>Energy systems</td>
</tr>
<tr>
<td>Inst. Pastoral Studies</td>
<td>Marian Daze</td>
<td>I am currently working on environmental issues in light of Laudato si’ and in support of Archdiocesan attempts to implement the encyclical throughout their properties, churches and schools.</td>
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Maciek Nowak - Supply chain management

Public Health - Maria Picken - Lyme Disease

Physics - Maria Udofa - Energy systems

Inst. Pastoral Studies - Marian Daze - I am currently working on environmental issues in light of Laudato si’ and in support of Archdiocesan attempts to implement the encyclical throughout their properties, churches and schools.
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<tr>
<th>Department</th>
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<tbody>
<tr>
<td>Communication Studies</td>
<td>Mark Pollock</td>
<td>Environmental Advocacy</td>
</tr>
<tr>
<td>Bioethics</td>
<td>Mark Repenshek</td>
<td>Dr. Repenshek's research focuses on ethical issues in death and dying, social justice and the under/uninsured, the intersection of Catholic moral and social teachings and modern debates in bioethics, and organizational ethics for faith-based healthcare ministries.</td>
</tr>
<tr>
<td>Biology</td>
<td>Martin Berg</td>
<td>My primary research interest involves the study of aquatic insects to address both basic and applied ecological questions.</td>
</tr>
<tr>
<td>Chemistry</td>
<td>Martha Schmeling</td>
<td>Atmospheric air pollution, metals in environmental and biological systems.</td>
</tr>
<tr>
<td>Marketing</td>
<td>Martina Schmelling</td>
<td>Air Pollution</td>
</tr>
<tr>
<td>Social Justice and Community Development</td>
<td>Melissa Browning</td>
<td>Bioethics</td>
</tr>
<tr>
<td>Sociology</td>
<td>Michael Agliardo</td>
<td>His current research interests focus on ecclesial involvement in environmental issues in the Philippines.</td>
</tr>
<tr>
<td>Theology</td>
<td>Michael Murphy</td>
<td>Eco-theology in Catholic heritage. I have a book chapter coming out in an edited volume called 'Fragile Beauty: Tension and Transcendence in Denise Levertov's Eco-Theological Poetics.</td>
</tr>
<tr>
<td>Management</td>
<td>Michael Walsh</td>
<td>Business Ethics</td>
</tr>
<tr>
<td>Chemistry</td>
<td>Miguel Ballicora</td>
<td>Regulation of starch synthesis is important to manipulate its content in plants, which could ultimately be used for the production of biofuels.</td>
</tr>
<tr>
<td>Economics</td>
<td>Mike Cazes</td>
<td>Ocean acidification, carbon capture and the global environment (most recent)</td>
</tr>
<tr>
<td>Biostatistics</td>
<td>Molly Walsh</td>
<td>Biostatistics</td>
</tr>
<tr>
<td>Environmental Science</td>
<td>Nancy Landrum</td>
<td>My research addresses the interaction of business, the economy, society, the environment, and social impact.</td>
</tr>
<tr>
<td>Env. Science</td>
<td>Nancy Tuchman</td>
<td>Invasive species</td>
</tr>
<tr>
<td>Sociology</td>
<td>Patricia Mooney-Melvin</td>
<td>Urban History</td>
</tr>
<tr>
<td>Chemistry</td>
<td>Patrick Daubenmire</td>
<td>Specifically, Dr. Daubenmire's research focuses on engaging students in their learning process by focusing on how chemistry is involved in solving problems in the world, utilizing and assessing guided inquiry and cooperative learning techniques in the chemistry classroom, and assisting chemistry teachers in their development of an inquiry-based instructional repertoire.</td>
</tr>
<tr>
<td>Philosophy</td>
<td>Paul Ott</td>
<td>My research deals with the relation of values and value development to structural and practical realities of everyday life.</td>
</tr>
<tr>
<td>Social Work</td>
<td>Philip Young Hong</td>
<td>Dr. Hong's main academic interest is in poverty and workforce development. He is currently partnering with local workforce development initiatives to develop bottom-up strategies for empowering low-income individuals and families in their quest to achieve self-sufficiency.</td>
</tr>
<tr>
<td>Env. Science</td>
<td>Ping Jing</td>
<td>Her research interests include the effect of climate change on air pollution, the impact of ground-level ozone on plants, and volatile organic compounds in the Chicago region and their relationship with ozone under the additional stresses of future climate change.</td>
</tr>
<tr>
<td>Environmental Science</td>
<td>Reuben Keller</td>
<td>I work on aquatic invasive species, how they are moved to new areas, the impacts they have, and how those impacts can be minimized.</td>
</tr>
<tr>
<td>Sociology</td>
<td>Rhys Williams</td>
<td>Only addresses sustainability indirectly. I mostly study religion in American politics, and to the extent these things are issues in American politics, then I consider them.</td>
</tr>
<tr>
<td>Psychology</td>
<td>Robin Mallett</td>
<td>I study the psychology of prejudice and intergroup relations from the perspective of members of both stigmatized and nonstigmatized social groups.</td>
</tr>
<tr>
<td>Anthropology and Sociology</td>
<td>Ruth Gomberg-Munoz</td>
<td>Health and wellness conceptions</td>
</tr>
<tr>
<td>Advertising</td>
<td>Seung Yo</td>
<td>Digital advertising and social change</td>
</tr>
<tr>
<td>Biology</td>
<td>Stefan Tanorok</td>
<td>Malaria biology</td>
</tr>
<tr>
<td>Theology</td>
<td>Susan Ross</td>
<td>How Christian theology deals with consumer society</td>
</tr>
<tr>
<td>Biology / Ecology</td>
<td>Sushma Reddy</td>
<td>Bird Evolution</td>
</tr>
<tr>
<td>Biology</td>
<td>Swarnali Banerjee</td>
<td>Topics like estimating infestation, predicting incidence of diabetes contribute towards betterment of medical research that in turn improves sustainability.</td>
</tr>
<tr>
<td>Environmental Science</td>
<td>Tanya Schuler</td>
<td>A current research project addresses how environmental justice organizations can advocate for urban greening and sustainable development that benefits and does not displace local residents.</td>
</tr>
<tr>
<td>International Education</td>
<td>Tava Jules</td>
<td>Global environmental accounting</td>
</tr>
<tr>
<td>Env. Science</td>
<td>Tham Hoang</td>
<td>Ecological toxicology</td>
</tr>
<tr>
<td>Anthropology</td>
<td>Thea Strand</td>
<td>Her primary research involves ongoing fieldwork in rural Valdres, Norway, where she studies the relationships between dialect use, language change, political economy, and mass media. Her current research is focused on the ways in which dialect has become a valuable commodity in Valdres’ growing tourism industry.</td>
</tr>
<tr>
<td>Business</td>
<td>Thomas Carson</td>
<td>Business Ethics</td>
</tr>
<tr>
<td>Political Science</td>
<td>Timothy Gillulye</td>
<td>Urban Planning</td>
</tr>
<tr>
<td>Biology</td>
<td>Timothy Hoeflein</td>
<td>My research is on water pollution in urban aquatic ecosystems. Source, fate, and biological interactions of excess nutrients (i.e., nitrogen) and anthropogenic litter (plastic pollution)</td>
</tr>
<tr>
<td>Management</td>
<td>Timothy O’Connell</td>
<td>Social Enterprises</td>
</tr>
<tr>
<td>Sociology</td>
<td>Tawja Blackmond Lumsdæn</td>
<td>Urban affairs</td>
</tr>
<tr>
<td>Modern Languages</td>
<td>Weronika Walkocz</td>
<td>I work on Li-ion batteries.</td>
</tr>
<tr>
<td>Finance</td>
<td>William Bergman</td>
<td>I am the Director of Research at Truth in Accounting, a nonprofit dedicated to helping citizens understand government finance, including sustainability issues relating to government finance. I also teach Money &amp; Banking, where “sustainability” deserves greater attention, including how measures advertised to defend or promote “stability” are themselves the source of instability.</td>
</tr>
<tr>
<td>Law J.D.</td>
<td>William Loris</td>
<td>I do research and analysis on sustainability and environmental issues in connection with development for international organizations such as the UNEP, FAO, Bioversity International, and WHO. In the past year, a growing proportion of my work has related to the Sustainable Development Goals.</td>
</tr>
<tr>
<td>Microbiol &amp; Immun.</td>
<td>Xufang Deng</td>
<td>My research mainly focuses on further elucidating the mechanism of Pkr-mediated evasion of innate immune response. Coronaviruses cause important human and animal disease with respiratory, gastrointestinal and neurological symptoms.</td>
</tr>
</tbody>
</table>