

| Name | Email | Department or Division | Please describe your research project(s) that meet the definition of sustainability research. If you perform research for more than one Department or Division, please separate the research projects by Department/Division. Please specify if you only do research with one Department and not the other(s) you are a part of. Minimum length: 20 characters. |
|--------------------------|---------------------|--|---|
| Paul Crovella | plcrovella@esf.edu | Sustainable Resources Management | Development of low carbon construction materials and methods to reduce the carbon impact of construction activities. All research is done within SRM and GPES |
| Ruth Yanai | rdyanai@syr.edu | Sustainable Resources Management | QUERCA is devoted to improving the accuracy and completeness of estimates of uncertainty in carbon stocks, carbon emissions, and emission reductions, which are required for countries participating in REDD+ programs that pay for reducing rates of tropical deforestation. My work on multiple element limitation in northern hardwood ecosystems (MELNHE) is directed to understanding ecosystem nutrient cycling in the face of environmental change. |
| Eddie Bevilacqua | ebevilacqua@esf.edu | Sustainable Resources Management | Quantifying contribution of NY state forests in achieving goal of net-zero green house gas emissions. |
| Scott Shannon | sshannon@esf.edu | Landscape Architecture Department | Most recently, a Kellogg Foundation funded project in Haiti - the Sustainable Village Learning Community |
| Klaus doelle | kdoelle@esf.edu | Chemical Engineering Department, Environmental Science, Division of | sustainable paper materials and additives, biogas, new waste water treatment methods |
| Stacy McNulty | smcnulty@esf.edu | Environmental Biology Department, Environmental Science, Division of, Other - Adirondack Ecological Center | AEC: My research focuses on ecosystem components such as impacts of forest management on biota, trends in ecological phenomena that may be influenced by anthropogenic activity (e.g., deforestation and reforestation, climate change), and human-environment interactions. This work is collaborative and includes faculty from EB, SRM and sometimes other departments. Another example is work on the Champlain-Adirondack Biosphere Reserve which includes LA, ES and other colleagues. We ask questions about land use planning, governance and policy, human-nature relationships and more. GPES: My doctoral research looks at the social-ecological system of the Adirondack Park and region, to understand how patterns across space and time, and how events and organizational networks interact and influence system resilience and sustainability. |
| Robert Meyer | rwmeyer@esf.edu | Chemical Engineering Department | Forest health |
| Kim Schulz | kschulz@esf.edu | Environmental Biology Department | |
| maren king | mfking@esf.edu | Landscape Architecture Department | |
| Danielle Nagle | dsnagle@esf.edu | Landscape Architecture Department | |
| Chang Geun Yoo | cyoo05@esf.edu | Chemical Engineering Department | Development of biorefinery strategies for sustainable biofuels and biochemicals Utilization of biomass and industrial wastes for sustainable and eco-friendly material production |
| Andrea Feldpausch-Parker | amparker@esf.edu | Environmental Studies Department | |
| S Dann | sldann@esf.edu | Environmental Studies Department | I investigate the education systems needed to promote sustainability within a wide array of diverse publics, from young children, to K-12 students and nonformal education program learners, to college students, to adults. |
| Timothy Volk | tavolk@esf.edu | Sustainable Resources Management | Developing a road map for the wood based bioeconomy in NY that will reduce the state's dependence on fossil fuels and replace them with renewable materials. Implementation of a shrub willow based evapotranspiration cap as an alternative to fossil fuel intensive geomenbrane or clay caps. Research to develop short rotation woody crops on former minelands and industrial land to both address environmental impacts on these sites and provide a supply of woody biomass for the growing bioeconomy. |
| Colin Beier | cbeier@esf.edu | Sustainable Resources Management | The Climate & Applied Forest Research Institute (CAFRI) carries out sustainability research related to climate change, greenhouse gas mitigation and resource stewardship, with a focus on supporting New York's landmark climate legislation (CLCPA). CAFRI is a partnership between ESF and Cornell CALS that operates with funding from multiple state and federal agencies, including NYS DEC, Agriculture & Markets, USDA NIFA and US Forest Service. Recently, CAFRI faculty led development of a \$60M USDA Climate Smart Commodities award (to NYS) that will promote climate-smart agriculture and forestry practices across NYS. More on current CAFRI research here: www.esf.edu/cafri-ny/projects/ (Note: CAFRI faculty at ESF are all based in the SRM Department.) I am also PI of long-term monitoring (LTM) programs at Huntington Forest (ESF Newcomb Campus), which address how multiple drivers of change, including climate change, acid rain, mercury pollution and forest pests/pathogens, affect ecosystem functions and services. Huntington Forest is one of the flagship monitoring sites in the US Northeast and ongoing efforts are generously supported by NYSERDA. Our work is increasingly focused on how climate change is affecting the cycling of greenhouse gases like carbon dioxide and methane. More on this research here: adk-ltm.org |
| Steve Stehman | svstehma@esf.edu | Sustainable Resources Management | My work contributes to assessments of land cover change through use of remotely sensed data (although I'm not the one that does the remote sensing part). This work is applicable to assessments of deforestation and crop production, for example, which may fall within the definition of "sustainability research". |
| Margaret Bryant | mbryant@esf.edu | Landscape Architecture Department | I oversee research that addresses how coastal communities can plan for sea level rise. Planning responses involve various aspects of landscape architecture, including landscape modeling, community engagement, and creation of designs that respond to the displacements caused by rising seas. |
| Aidan Ackerman | Acackerm@esf.edu | Landscape Architecture Department | Modeling and visualization of sustainable forest management practices, with the goal of improving understanding of - and advocating for - forest management practices that improve carbon capture and sequestration. |
| Danielle Gerhart | djgerhar@esf.edu | Sustainable Resources Management | |
| Lindi Quackenbush | lquack@esf.edu | Environmental Resources Engineering Department | |

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|----------------------------|------------------|--|---|
| Nicholas Pflug | ncpflug@esf.edu | Chemistry Department | |
| Doug Daley | djdaley@esf.edu | Environmental Resources Engineering Department | |
| Neal Abrams | nmabrams@esf.edu | Chemistry | Inorganic chemistry, material science, renewable energy. |
| Joshua Cousins | jcousins@esf.edu | Environmental Studies | Environmental policy and governance, social and political dimensions of water, political ecology, political economy of water, green infrastructure, science and technology studies, political ecology, urban sustainability. |
| Greg McGee | ggmcgee@esf.edu | Environmental and Forest Biology | Ecology, management and restoration of forest ecosystems. |
| Rebecca Rundell | rrundell@esf.edu | Environmental Biology | Conservation and evolution of endangered, understudied, and often geographically restricted invertebrate species |
| Theodore Endreny | te@esf.edu | Environmental Resources Engineering | Develop software tools for the restoration of natural resources and delivery of ecosystem services, in order to improve human wellbeing and biodiversity. |
| René Germain | rhgermai@esf.edu | Sustainable Resources Management | Assessing harvesting costs across harvest systems, examining carbon cycle when harvesting, impact of BMPs on logging costs, effectiveness of BMPs, economic viability of loggers, balancing forest management and protection of riparian areas, the impact of forest ownership fragmentation on forest management and water quality, feasibility of nonindustrial private forestland owners to contribute to the wood supply chain, sustainable forest management |
| Martin Dovciak | mdovciak@esf.edu | Environmental and Forest Biology | forest ecosystem health, with extensions to one health concept, sustainable ecosystem management, as well as research on the effects of various global environmental changes on stability and resilience of forest ecosystems. |
| Andrew Newhouse | aenewhou@esf.edu | Environmental and Forest Biology | American Chestnut Research and Restoration Program. |
| Lee Newman | lanewman@esf.edu | Chemistry | Phytoremediation, molecular and cellular biology, horticultural therapy, food and health. |
| Gary Scott | gscott@esf.edu | Chemical Engineering | Biotechnology, bioprocess engineering, paper machine operations, recycling, modeling. |
| Robert Malmshemer | rwmalmsh@esf.edu | Sustainable Resources Management | Policy Aspects of Forest Carbon Accounting and Bioenergy. |
| John Auwaerter | jeauwaer@esf.edu | Landscape Architecture | Conservation of heritage landscapes; historic preservation planning; adaptive reuse of historic properties |
| Anne C Godfrey | acgodfre@esf.edu | Landscape Architecture | Biodiversity efforts for private lands in the Northeast. These tactics are interests in adaptation. |
| John Wagner | jewagner@esf.edu | Sustainable Resources Management | Developing analytical and conceptual economic models to analyze critically questions concerning the sustainable management and use of forest and natural resources. |
| Lemir Teron | lteron@esf.edu | Environmental Studies | Urban/community forestry; climate policy; energy & environmental justice; environmental sustainability planning; air quality monitoring |
| Stewart Diemont | sdiemont@esf.edu | Environmental and Forest Biology | urban ecosystems, food security, Indigenous knowledge systems, and ecological restoration |
| Christina Limpert Leclercq | cmlimper@esf.edu | Environmental Studies | We worked with our community partner, the Syracuse Peacemaking Center on the Near Westside of Syracuse on an action research project with neighborhood teenagers who researched crime and violence in their own neighborhoods. As an action plan, the teams built a gathering garden so people can have a safe place to gather outside. My new, as of yet unfunded, research deals with issues of sustainable fashion and rural agricultural economies. This research includes considerations of soil and water health and addresses "natural resource depletion" and "environmental degradation" and "climate change" and "secure livelihoods" specific to rural agricultural sectors and economies. |
| Maren King | mfking@esf.edu | Landscape Architecture | We worked with our community partner, the Syracuse Peacemaking Center on the Near Westside of Syracuse on an action research project with neighborhood teenagers who researched crime and violence in their own neighborhoods. As an action plan, the teams built a gathering garden so people can have a safe place to gather outside. My new, as of yet unfunded, research deals with issues of sustainable fashion and rural agricultural economies. This research includes considerations of soil and water health and addresses "natural resource depletion" and "environmental degradation" and "climate change" and "secure livelihoods" specific to rural agricultural sectors and economies. |
| Sharon Moran | smoran@esf.edu | Environmental Studies | Environmental policy, human dimensions of water/wastewater issues, political ecology, environment-society relations, green and innovative technologies, environmental issues in post-communist countries, qualitative research methods, gender and nature, sustainability indicators, emergent technologies, environmental justice, ethical frameworks in public policy, sustainable enterprise. |
| Deb Driscoll | debdris@esf.edu | Other | Nutrient cycling on land and in the sea and freshwater, fish lifecycles. |
| Karin Limburg | klimburg@esf.edu | Environmental and Forest Biology | Fisheries science, watershed science, climate change adaptation, marine deoxygenation. |