

# iCAP 2020 – FY20 Assessment

## Instructions

- Please write your iCAP Team name here: Resilience
- Please complete one slide for each of the iCAP 2020 objectives in your related chapter. Slide #2 is an example and #3 should be filled in for your related objectives and repeated for each objective in the related chapter.
- On the final slide, please identify the priorities for your team this year.
- Also, please provide any additional comments you want to share with the iCAP Working Group (iWG).
- We would like to have your completed slides sent to Meredith Moore ([mkm0078@Illinois.edu](mailto:mkm0078@Illinois.edu)) by Oct. 9.



- **Objective:** 8.1 Develop a coordinated urban biodiversity master plan by FY24 to make the Champaign, Urbana, Savoy, and campus metro area a model for biodiversity
- **Responsible Unit:** [Extension w/F&S]
- **Team members:** Lisa with Extension, Brent Lewis from F&S, Rob Kanter from SESE, Scott, Lacey, Dennis, Warren Lavey, law students last year started some, CCNet, Master Naturalists, CCDC foundation, Faith in Place, Champaign County Forest Preserve District, Greenest Cities path, Midwest Grows Green, Integrative Biology department? (may be out of their scope, not highly connected to applied work), Urban Planning, NRES (fish and wildlife ecology)
- **Current status:** law students last year initiated some discussion about this, and Warren will seek additional info, can get more info from Cities with Nature: ICLEI
- **Starting point:** could develop a resolution or ordinance – look at certification opportunities to qualify for this – facilitated participatory planning process, engaging groups with various levels – and then focus the plan.
- **Funding:** none required at this point



- **Objective:** 8.2 Coordinate rainwater management plans for the entire urbanized areas of Champaign, Urbana, Savoy, and the university. Starting in FY21, share the total number of green infrastructure locations on the iCAP Portal on an annual basis.
- **Responsible Unit:** [F&S w/Extension]
- **Team members:** Morgan White, Lisa Merrifield, Genevieve Zilmer, Sally McConkey, Lacie Rains Lowe (City of Champaign), Scott Tess (City of Urbana), Dennis Donaldson (Village of Savoy), Eliana Brown (INLRS Urban Stormwater Team), Betsy Liggett (Champaign County Stormwater Partnership), Brent Lewis (University Landscape Architect), Women in Engineering student, Land and Water SWATeam
- **Current status:** The existing Stormwater Partnership is a great starting point for this effort. **Rainwater in this application is precipitation falling on surfaces before accumulating and discharging to storm sewers or surface waterways.**
- **Starting point:** Develop collaborative relationships with rainwater managers in the cities and village in the area and the CCSP. Identify and contact faculty members with green infrastructure expertise. Research common definitions and database structures used for similar applications in other areas (e.g. DuPage Co. and the Calumet Stormwater Collaborative). Develop geospatial database schema consistent with national/ local data models. Identify existing data on green infrastructure locations in the study area and integrate into the geospatial database, identifying data gaps. Conduct inventory using orthophotos and field reconnaissance, possibly a student project. Review existing management plans for the project area and comment on alignment.
- **Funding:** Possible sources IEPA, NCSA Great Lakes to Gulf virtual observatory for GI resources



- **Objective:** 8.3 Develop a collaborative plan for environmental justice that will assess metro area resilience and actively address related issues. The plan should be written and publicized by FY 24.
- **Responsible Unit:** [iSEE]
- **Team members:** Resilience SWATeam members (in particular, Meredith Moore, Morgan White, Genevieve Zilmer, Joseph Park, Asli Topuzlu, Warren Lavey), Champaign County Stormwater Partnership (Betsy Liggett), Office of the Vice Chancellor for Diversity, Equity, and Inclusion (Kaamilyah Abdullah-Span), Champaign County Health Care Consumers w/Claudia Lenhof (Fifth and Hill), CCRPC
- **Current status:** Not yet started (Kaamilyah expressed interest in further discussing and working together to accomplish this objective). CCRPC did an evaluation in past years of environmental justice areas for our area, and they submitted a grant application to FEMA for an inventory of heating and cooling centers. There are various programs underway, and methods to talk with community groups (perhaps by neighborhood). There is also work at Garden Hills Neighborhood, in regards to stormwater management.
- **Starting point:** Brainstorm fundamental goals we want the plan to protect (establish means to identify disparate impacts of climate change, what are those impacts, define what environmental justice encompasses i.e. meaningful stakeholder participation in gov decision making). Potentially examine areas that are high-risk (e.g. Urbana SD #116)
- **Funding:** not needed at this time



- **Objective:** 8.4 Take leadership in addressing the most pressing sustainability challenges in our local communities through collaboration with local governments and related community groups, by forming an advisory panel for coordinating efforts across jurisdictional boundaries. By FY24, select at least three major local sustainability issues to address and identify lead agency and key stakeholders.
- **Responsible Unit:** [iSEE]
- **Team members:** <Stacy, Meredith, Lisa, Genevieve, Asli, Joseph, Urbana Sustainability Advisory Commission>
- **Current status:** Not yet started. We would like to go faster than just have the key issues identified in the next four years.
- **Starting point:** In Year 1, Brainstorm/identify stakeholders for a meeting about the new advisory panel (e.g. sustainability officers/staff from interested city/municipalities; mayors, commission members like Urbana SAC, CCRPC emergency planning; CC health department, SWATeam; academic sciences community in agriculture, atmospheric & environmental sciences, transportation & energy, civil/environmental engineering, communications, sociology & health. // Plan, recruit for, and hold exploratory meeting identifying areas of interest, and to outline a process for joining the advisory committee (i.e. nominations or other method) // Create operational committee to set by-laws & meeting schedule // Towards end of Year 1, start holding advisory panel meetings. // In Years 2/3 Advisory panel decides on community outreach efforts, prioritizing key sustainability issues. Students will create report identifying most pressing sustainability challenges.
- **Funding:** Funding needs are not yet identified but may be needed for an exploratory planning meeting bringing multiple stakeholders together.



- **Objective:** 8.5 By FY23, collaborate with colleges and community groups to inventory existing certification opportunities for green jobs and identify gaps.
- **Responsible Unit:** [iSEE]
- **Team members:** Members of the Resilience SWATeam (in particular, Meredith, Lisa, Morgan, Stacy, Lacey), career advisors from NRES/SESE/ACES, Parkland College academic advisors, SEDAC, Ameren, ICRT, Illinois Environmental Council w/Professor Jen Walling
- **Current status:** Not yet started by this team – SEDAC and Ameren (with Stacy at ICRT) have been working on building a workforce in Illinois – conference in early November to build a more diverse and stronger energy workforce in Illinois – also ties in to Clean Energy Jobs Act (CEJA)
- **Starting point:** Collaborate with career advisors and other professionals to identify available certifications for jobs in environmental careers. A clearinghouse of these certification opportunities and the requirements to achieve them should be the first step. Parkland College offers a number of environmental certification programs for technical careers, such as green infrastructure and landscape installation/maintenance. Many professional certifications are administered by outside organizations that have multiple requirements, including completing a degree at an accredited institution coupled with years of career experience. Having a complete database of certification options will allow students to make informed decisions about coursework and career opportunities beyond graduation. Explore the National Green Infrastructure Certification Program (NGICP). - can also work with the Education Justice Project
- **Funding:** No funding is identified for this goal.



- **Objective:** 8.6 Support Vision Zero as a county-wide goal for safe and sustainable transportation.
- **Responsible Unit:** [F&S]
- **Team members:** F&S TDM (Sarathak Prasad, Stacey DeLorenzo), CEE (Dr. Ray Benekohal), BPAC, Resilience SWATeam (Joseph Park, Asli Topuzlu, Morgan White), CCRPC/CUUATS
- **Current status:** Dr. Benekohal has a project funded by the Student Sustainability Committee (SSC) for Vision Zero on campus, and he completed a survey with over 10,000 people in spring 2020. BPAC approved a resolution in support of Vision Zero last month. The Long Range Transportation Plan for our area includes Vision Zero.
- **Starting point:** F&S sustainability and TDM can bring the various Vision Zero advocates together to identify the best ways for campus to support this effort.
- **Funding:** funding is not identified for this objective, but it will be needed for implementing related actions.



- **Objective:** 8.7 Establish a local offsets program by FY24.
- **Responsible Unit:** [iSEE]
- **Team members:** Resilience SWATeam members (in particular Meredith Moore, Warren Lavey), University of Illinois Foundation?, other collaborations have not yet been identified
- **Current status:** Partial steps taken by campus pursuant to 2010 and 2015 iCAP objectives. UIUC encourages but does not require carbon offsets for air travel and iSEE developed an air travel carbon offset guide. We know we can add trees, if we have the money, but this program can also include non-tree offset options.
- **Starting point:** Students in the Women in Engineering Grainger First Year Experience course identified initial steps to work with the Engineering study abroad office to plant trees to offset trips. We need to discuss legal and financial aspects of a implementing a local offset program and identify local projects and opportunities that the offsets would fund. Discuss opportunity to partner with a facilitator/validator (e.g., Urban Offsets). Can also include environmental justice aspects, like the Urbana Trees and Equity grant application and Genevieve's equitable urban greenspace campaign in her law class.
- **Funding:** Funding will be needed though has not yet been identified (e.g., tree-planting, other local emission-reduction projects)





# Summary

- What are the top priorities? What would you like to see happen by the end of FY21 (June 30, 2021)?
- Carbon offset program – to get a better understanding of how to move this forward
- Environmental Justice Plan – wide community engagement, very timely, lot' of good groups to include
- Urban Biodiversity and Rainwater Plans – working together with Land and Water team, there is a lot of great work underway that we can coalesce and build on
- General comments for the iWG:
- Our students are very interested in pursuing the divestment strategies – through SECS

