Visitor Information

Welcome to the Powell Center. Please look through this package for information that may be useful during your stay.

- Powell Center Ethics Form (Powell Staff needs this returned, signed)
- Map of Central Fort Collins
- General Information
- Data and Information Policy
- Guide to Local Restaurants

Powell Center
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Join us on Twitter: @usgsJWP
Powell Center Code of Ethics

Preamble: The Powell Center was initiated to promote synthesis, analysis, and multidisciplinary collaboration directed toward addressing important questions in earth system science and allied disciplines.

General: Because an abiding goal of the Powell Center is to transform the culture and conduct of earth system science research to become more collaborative and interdisciplinary, we provide guiding principles of conduct for all Powell Center participants. Working Group members must agree to abide by this Code prior to the onset of a project.


b) Derived data generated during a research project will be well documented and released in the public domain, in line with USGS Fundamental Science Practices, as described at https://www.usgs.gov/fsp/policies.asp

c) Investigators will adhere to the appropriate standards for reporting the results of scientific activities and respect the intellectual property rights of others.

d) Copies of analytical tools developed by Powell Center investigators will be deposited with the Center. Copies of software products developed by Working Groups or Powell Center staff to support Working Group activities will be released in line with the USGS Software Release Policy, as described at: https://www.usgs.gov/usgs-manual/im/IM-OSQI-2016-01.html

e) The Powell Center will receive acknowledgement in each publication or product for its support of the research activities conducted by each Working Group.

f) Copies of publications resulting from Powell Center support will be provided to the Powell Center at the time of publication.

g) Investigators will comply with the Department’s records retention policies and with Federal law and agreements related to use, security, and release of confidential and proprietary data.

h) Participants will not discriminate against others, in the course of their work on the basis of gender, sexual orientation, marital status, creed, religion, race, color, national origin, age, economic status, disability, or organizational affiliation.

i) Extenuating circumstances that may prevent full compliance will be discussed with Powell Center staff.

I _____________________, agree to abide by the Powell Center Code of Ethics.

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Signature Date
General Information

**Travel to and from Denver International Airport:** Fort Collins is located 60 miles north of Denver along major highways, including I-25, and travel to the Powell Center is easy. We highly recommend making reservations with the GreenRide Shuttle service (http://greenrideco.com) for pickup and delivery to your hotel (use USGS as discount code on front page). Supershuttle also services Fort Collins (http://www.supershuttle.com).

**Travel within Fort Collins:** The Hilton Hotel (425 W. Prospect Road) is located about ¼ mile from the Powell Center accessible by sidewalks, the Mason Street bike trail, and the MAX rapid transit. The Best Western University Inn (914 So. College) is about 2/3 mile from the Powell Center and also accessible via the same options. The Powell Center maintains a fleet of 17 bikes for Working Group participants during periods with no snow or ice.

**Meeting Rooms:** The Powell Center has two large meeting rooms for Working Groups and a large number of smaller breakout rooms. Each room can hold up to 18 people comfortably and is set up with a monitor, access to the web, and phones. If scheduled with us in advance, the RAM room on the third floor holds 16 people comfortably and is set up with projectors, smartboards, phones, and wired or wireless access to the web. All rooms have a printer, and scanning and copying capabilities are available in the building.

**Meals and Snacks:** Please come prepared to pay cash for coffee and tea, morning and afternoon snacks, and working lunches that are brought in to the Powell Center. Unfortunately, government law prohibits the Powell Center from paying for any food items out of its budget. You will get reimbursed when you file your expenses after the meeting. Morning and afternoon snacks and beverages cost $25 per person for the week. Working lunches can range $8-$12. We purchase and order from local vendors and try for organic when possible. There is a soda pop machine in the building. Please make special dietary needs known to us in advance of your visit.

**Transportation:** Thank you for using a bike to get around Fort Collins while you are here. We have great bike paths and nearly every street in town has designated bike lanes. Do NOT ride on College Avenue, the main street in town. Mason and Remington, the streets immediately to the west and east of College, respectively, have bike lanes and are much quieter. Our bikes are city bikes – please no curb-jumping or biking off piste. All bikes have the same lock combination: 9103. You can reach Jill Baron on my cell phone if you have questions or need a patch: 970-491-1968 or need tools to adjust your bike saddle.

The MAX is a Fort Collins bus system that runs north and south every 10 minutes or so during the day and every half hour in the evening after 10:30 pm. It will cost you $1.25 per ride and can take you from hotels to the Powell Center or downtown to the restaurants. Buses have capacity for 4 bikes each, so you can even ride downtown and take the bus back. You can’t miss the MAX – buses are bright green.
Data and Information Policy

Powell Center Data Principles

The Powell Center is committed to making data available to the broader scientific community. To meet this goal, the Powell Center:

- Requires that derived data generated during a Powell Center research project be well documented and made publicly available. The Powell Center provides technical assistance to do so.
- Urges that data used to generate derived products be well documented and made openly available. The Powell Center provides technical assistance to do so.
- Respects the intellectual property rights of data owners who use their data in Powell Center research projects.

Management and Distribution of Powell Center Data and Information

A Powell Center goal is to foster sharing and dissemination of earth systems data. We require that all derived data created at the Powell Center be well documented and made publicly available within the USGS Science Base. We define derived data as data resulting from analyses from which the original data cannot be reconstituted. We employ this policy because most of the data used in research at the Powell Center will have been collected and used under other auspices. However, we STRONGLY encourage individuals to thoroughly document original data under their control and make it publicly available as well. The Powell Center provides staffing and computing resources to assist with data documentation (description adequate for data exchange) and accessibility for both derived and original data.

These additional policies also govern Powell Center management of data and information:

- The Powell Center requires that copies of analytical tools developed by Powell Center investigators be deposited with the Center. Copies of software products developed by Powell Center staff to support sponsored projects will be kept at the Powell Center and used where appropriate to support other Powell Center activities.
- Copies of any publications resulting from Powell Center support must be provided to the Powell Center at the time of publication.
- Extenuating circumstances that may prevent full compliance should be discussed with Powell Center staff.

In order to implement this policy, project participants must agree to this Statement prior to initiating research activities.
Recommended Restaurants near the Powell Center – a highly subjective list

**Restaurants within 1 mile of the Powell Center**

1. Whole Foods Market, 2201 S College Ave. Abundant food court and indoor/outdoor seating; also full supermarket. Price range $
2. Pho Duy Vietnamese Noodle Restaurant, 902 Drake Road #1. Traditional Vietnamese soups with meat or vegetables. Price range $
3. Taqueria Los Comales, 111 West Prospect Road. Traditional (and excellent) soft tacos filled with meat or beans. The fresh salsa bar is excellent. Price range $
4. Café Vino, 1200 South College Avenue. Great coffee, European tapas and dinners, terrific pizza, wines, and local beers. Price range $$
5. Simmer, 2519 S Shields St Suite 1F, Great food, shareable plates, and great drinks. Beautiful outdoor patio complete with a fire pit. Price Range $$
6. Boar’s Head Coffee House, 1300 South College Avenue. Throwback 1970s era coffee house with good food, beer, and coffee. Price range $
7. Nick’s Homestyle 1100 South College Avenue. (970) 631-8301. Great Pizza, appetizers, pasta and atmosphere. Price range $$
8. Bawarchi Biryanis, 1611 So College Ave. Indian cuisine that is truly delicious and as spicy as you want. Price range $$.

**Restaurants within 1.5 miles of the Powell Center**

1. The Rainbow Restaurant, 212 West Laurel. A Fort Collins tradition, family owned, local foods, mostly vegetarian entrees. Price range $
2. Pickel Barrel, 122 West Laurel Street. Good sandwiches and beer. Price Range $
3. Avogadro’s Number, 605 South Mason Street. The “go to” place for ecologists in Fort Collins: great beer, food (many vegetarian entrees), live music and lively political debate. Great back patio. Price range $
4. Dam Good Tacos, 120 W. Laurel St. This is not a Mexican restaurant, but serves THE MOST DELICIOUS tacos, rice and beans ever. Seriously. Local ingredients, very casual, and you can take them to go. Price range $$
5. The Mayor of Old Town. 632 Mason Street. Included in America’s 100 Best Beer Bars for 2012, it also offers upscale sandwiches and pizzas. Price range $
6. Restaurant 415. 415 South Mason. Farm to Fork, great atmosphere, small plates to full meals. Nice beer selection. Does no take reservations, but has always found tables for Powell Center groups. Price range $$


**Restaurants in Old Town within 2 miles of the Powell Center**

1. Blue Agave, 201 So. College. New Mexican/Southwestern fare in the ground floor of the modern art museum. Yummy. Price range $$

2. Coopersmiths Pub and Brewery, 5 Old Town Square. Really good pub food and beer. Price range $$

3. The Kitchen, 100 N. College Avenue. Wonderful food, locally sourced. The décor is stunning, but try to get a table outside. Inside can be loud. Price range $$$

4. Uncle’s Pizzeria, 120 W. Olive. Highly attractive small local pizzeria with absolutely wonderful pizza and good bar selection. Price range $$

5. Choice City Butcher and Deli, 104 W. Olive Street. As close to a New York Deli as Fort Collins can offer, with a marvelous beer selection. Wednesdays are beer and food tastings, and there are trivia nights with prizes. Very casual. Price range $.


7. Stuft - a burger bar 210 S College Ave (970) 484-6377. Unique and delicious burgers with a create your own option that includes a glazed donut as a bun! $

8. Mainline, 125 South College. This is a restaurant owned by Avery/Wynkoop Breweries out of Denver/Boulder. The décor is great, the beer and wines are great, but the food is not terrific. Price range $$

9. Fish, 150 W. Oak Street. Sustainably harvested fish. Price range $$


11. Tasty Harmony, 160 West Oak St, organic and vegan foods. Price range $$

12. Welsh Rabbit, 200B Walnut Street. Cheese and small plates. Has gotten rave reviews, Price range $-$-$$
The Powell Center
2150 Centre Avenue, Building C
Fort Collins, CO, 80525
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Best bike path
Best walking path
Director's Message

Synthesizing the hydroecology of flowing waters at a continental scale: a critical mass of Powell Center Working Groups

Powell Center proposals are selected for exciting interdisciplinary ideas that convince our Science Advisory Board of their potential to achieve a breakthrough in understanding and to engender the enthusiasm of the scientific community. The proposals can come from almost any branch of the earth and biological sciences. We were pleasantly surprised to realize that the Powell Center has supported ten (or more, depending on how broadly we cast the net) successful Working Groups addressing hydroecology. The groups examined various questions about processes that influence surface and groundwater hydrologic connectivity, and their biogeochemical, hydrologic, and biological implications. Several of these groups and scientists have banded together to foster a joint synthesis between the Working Groups. Led by Jud Harvey (USGS), Charles Lane (US EPA), Elizabeth Boyer (Pennsylvania State University), and Emily Bernhardt (Duke University), and enthusiastically supported by many others, the group is proposing to link their research questions and findings even more broadly through a suite of future collaborative activities. The options under discussion include an American Geophysical Union (AGU) Chapman Conference, an AGU Union Session, an American Association for the Advancement of Science (AAAS) Gordon Conference, and an American Water Resources Association (AWRA) conference. Judging from the numbers of publications and energy in these groups, hydroecology is a field undergoing rapid advancement. The Powell Center is pleased to have provided a home for some of these ideas.

The Powell Center is launching its own webinar series starting fall 2018. This is another way we continue to stimulate ideas and collaboration beyond individual Working Groups. Three inaugural presentations will present findings, products, and the collaborative thought processes that went into GIS and food security, soil carbon storage, and river corridor controls on water quality. Look for announcements on the Powell Center website:

Jill Baron and Marty Goldhaber, Co-Directors

Featured Working Group

Local-scale ecosystem resilience amid global-scale ocean change: the coral reef example

There is a global crisis happening in the world’s coral reefs, indicated by the loss of coral and biodiversity from natural and anthropogenic assaults. Three of the best known causes of this loss are coral bleaching, coastal development and overfishing. The severity of these threats has been widely publicized due to the devastating mortality of coral reefs on the Great Barrier Reef from bleaching in 2016 caused by extreme ocean warming. Amidst a plethora of depressing news about coral reefs, the “Coral Reef Oasis” Working Group, led by Ilisa B. Kuffner (USGS), Peter J. Edmunds (California State University Northridge), Ruth D. Gates (Hawaii Institute of Marine Biology), and James R. Guest (Powell Fellow, Newcastle University) focused on known examples of healthy coral reefs. They asked whether objective criteria can be used to identify these special locations. The group addressed whether these “reef oases” arose from random or stochastic events, and whether they have the potential to catalyze broad-scale reef recovery.

An initial publication (Journal of Applied Ecology, https://doi.org/10.1111/1365-2664.13179) identifies three mechanisms by which coral reef oases could result – escaping, resisting, or rapidly recovering from disturbance – and pose these as hypotheses for further mechanistic investigations. The group used existing, empirical data collected across the globe including from French Polynesia, US Virgin Islands, the Florida Keys, and Hawaii. The methods have wide application in conservation biology and can be applied to diverse ecosystems to objectively target the most “healthy” ecosystems for further management focus and possibly, restoration. A subsequent manuscript will characterize the physical,
chemical, and biological conditions associated with the formation of healthy coral reef oases.

The Coral Reef Oasis group, made up of 17 researchers from six different countries, had two in-person meetings in Fort Collins during 2016 and 2017.

“Working in Fort Collins was among the most stimulating of academic experiences I have had. Retreating to an inspiring location where you can work intensively with friends and colleagues to address important scientific questions and actually think about science rather than collecting more data, is one of the most rewarding parts of our career.” — Peter J. Edmunds, CSUN

Powell Fellow

Angela Mech has been a member of the High Impact Invasive Insects Working Group since 2016. Using available data pertaining to non-native insects and their tree hosts, the group is working to determine the drivers of insect impact – why does one insect cause massive tree mortality and another cause no damage? Modeling traits and factors, as well phylogenetic relationships, will hopefully allow the group to predict the impact of non-native insects that are not currently established in North America. Of her time in Fort Collins, Mech said, “It’s been amazing to see how much can be accomplished when you have a room full of people from different specialties come together for the same cause. Perhaps the reason why this million-dollar question about non-native insects has gone unanswered for so long is because they didn’t have the Powell Center to inspire them!”

For more information visit https://powellcenter.usgs.gov or contact: Jill Baron at (970) 491-1968 or email: jill_baron@usgs.gov Marty Goldhaber at (303) 236-1521 or email: mgold@usgs.gov Leah Colasuonno at (970) 226-9103 or email: lcolasuonno@usgs.gov Marcia McNiff at (703) 648-4078 or email: mmcniff@usgs.gov