

Biodiversity Conservation and Sustainable Production in Tropical and Temperate Fragmented Landscapes

**National Science Foundation Integrative Graduate Education and Research
Traineeship [IGERT] Project, University of Idaho and Tropical Agricultural
Research and Higher Education Center [CATIE]**

IGERT PROJECT GUIDELINES

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IGERT Project Guidelines

The following is adapted from the College of Graduate Studies guidelines. Text in bold pertains uniquely to IGERT fellows.

General Graduate Regulations. The regulations described in this section are the minimum standards established by the faculty of the College of Graduate Studies [CoGS]. Departments may establish additional regulations, including additional residence requirements, above the minimums set by CoGS. Each fellow working for a degree through CoGS will be advised by a major professor and a supervisory graduate committee.

Fellow Responsibilities. The fellow is responsible for complying with all rules, procedures, and time limits, as established by the graduate faculty, **and those required by the IGERT Steering Committee.**

Petitions. Students and major professors are advised that the right of petition exists to waive or modify some university regulations. Academic petitions request waiver or modification of regulations; contact CoGS for further information. Graduate petitions request a waiver or modification of the regulations in this section. However, favorable action can be expected only when circumstances and the presentation clearly justify an exception. Precedents are not set by previous actions and may not form the basis of a petition; rather, the situation concerning the student involved is given consideration on an individual basis. A \$5 fee is charged for each petition submitted to the Academic Petitions Committee or Graduate Council.

Registration and Enrollment Requirements. Graduate students engaged in ANY activity requiring faculty or staff time and consultation, or the use of any UI facilities, must register for the number of credits appropriate to the degree of activity involved during the semester of activity. Such activity includes, but is not limited to: writing, defending, or submitting a thesis or dissertation; working on a non-thesis requirement; or taking a preliminary examination.

Change of Major. A student is admitted for work in a specified major or program and may not change without approval of the new department. Such procedure is formalized by a “change of curriculum” form signed by the chair of the program the student is leaving and the chair of the department in which the student wishes to enroll. The form must be approved by the vice president for research and graduate studies before it is forwarded to the Registrar's Office. **If an IGERT fellow changes research emphasis or major professor, he/she must be aware that IGERT funding may no longer be available.**

Credit Requirements for Full-Time Students. A student is considered to be engaged in full-time study when registered for nine credits of course and/or thesis/dissertation work; **for IGERT requirements, see pp. 4-6.** (A student pays full-time fees when taking eight credits, but is nonetheless considered a part-time student.)

Regular Semester or Summer Session. The credit limit for a graduate student is 16 UI credits a semester or summer session (excluding courses taken for audit and including the credits for courses taken for the zero credit option).

Probation, Disqualification, and Reinstatement. A graduate student is placed on probation after any semester or summer session in which a grade-point average of less than 3.00 is earned, regardless of the student's cumulative GPA. The student will be disqualified if a GPA of less than 3.00 is earned during the second, consecutive semester or summer session in which regular grades of A, B, C, D, or F are received. If a graduate student who is on probation receives an Incomplete during a semester, the revert grade listed for the Incomplete will be used to calculate the GPA for that semester. If the calculated semester GPA is 3.00 or higher, the student will be in good academic standing. If the calculated semester GPA is less than a 3.00 GPA, the student will not be allowed to register for current or future semesters or sessions. If the student has perchance registered pending receipt of the revert grade, the student will be disenrolled. Once the work is completed and a final grade is given, the GPA will be automatically recalculated. In all other cases, he/she may be reinstated as a graduate student under the following conditions: The student may not take classes for at least one regular semester (fall or spring), must get the positive recommendation of his/her departmental administrator, must get CoGS permission, and must receive at least a 3.00 grade-point average the first semester back in CoGS. Reinstatement is granted for a specific semester only. If a student does not register for that semester, he/she must again seek CoGS permission for reinstatement.

Grade Requirements. A candidate for an advanced degree must have a cumulative GPA, based on his/her graduate record, of at least 3.00 (A = 4.00). The relevant GPA is calculated as stated in regulation E (contact CoGS for further explanation) except that it is based only on grades received: for all courses taken at UI while the student was enrolled in the particular program (major) leading to the degree sought, whether or not those courses are on the student's study plan; for courses that were taken at UI before the student enrolled in his or her current program and have been included in that program by the student's committee.

Catalog Issue. The pertinent requirements for graduate degrees are those contained in the UI catalog issue that was in effect at the time of or subsequent to the candidate's entry into a specific graduate program as a degree-seeking student. In any case, the catalog issue designated must have been in effect within seven years of the commencement at which the candidate is to receive the degree.

Doctoral Degrees

The University of Idaho awards the degree of Doctor of Philosophy in recognition of high achievement in scholarly and research activity. The major professor and department offering a particular doctoral program indicate the general philosophy of the degree program, the objectives of courses and seminars, the research specialties available, and requirements unique to the department. Admission to the doctoral program is

granted only to those who have a recognized potential for completing the degree. In order to effect an integration of course and research work, students are advised to begin research shortly after entering the program and not wait until much of the course work has been completed.

Doctoral Degrees Credit Requirements. A minimum of 78 credits beyond the bachelor's degree is required; of these, at least 52 credits must be in courses numbered 500 and above, and at least 33 of the 78 credits must be in courses other than 600 (Doctoral Research and Dissertation). Courses numbered below 300 may not be used to fulfill the requirements for a doctoral degree; courses numbered 300-399 may be used only in supporting areas. Individual departments may require additional course work.

Transfer, Correspondence Study, and Nondegree Credit Limitation. A doctoral student must complete at least 39 of the 78 required credits in UI courses while matriculated in CoGS. Credits can be transferred to UI, with the consent of the student's committee and the vice president for research and graduate studies, only if the institution from which the course credits are being transferred has a graduate program in the course's discipline. All credits used toward graduate degrees must be from regionally accredited American institutions or from non-US institutions recognized by the appropriate authorities in their respective countries. Transfer credits are subject to all other CoGS rules and regulations. Correspondence study courses may be applied to the degree only with the prior written approval of the vice president for research and graduate studies. Courses listed on an undergraduate record, professional development courses, and courses on a professional degree transcript are not available to be used toward a graduate degree.

Interdisciplinary Course Work. To work effectively on interdisciplinary research projects, IGERT students must have an understanding of and appreciation for the variety of disciplines represented in this educational program. All students in the IGERT Project must enroll each semester while in Moscow in seminar 501 (Current Issues in Biodiversity Conservation and Sustainability) and at least one semester of Entomology/Forestry/Wildlife Resources 504 (Interdisciplinary Research in Biodiversity Conservation and Sustainability). Additionally, students must choose from courses within four core areas – Social Sciences and Ethics, Economics, Biophysical Sciences, and Agriculture/Forestry (see examples of applicable courses in Table 2, p. 6). In addition to the required multidisciplinary curriculum, each student will also take two to four disciplinary courses related to the dissertation project, as advised by his/her graduate committee.

Coursework Schedule. The majority of the coursework, including most of the courses in the four core areas, will be completed in the first two semesters while at UI. Students will also be able to take graduate courses at CATIE during the time they are in Costa Rica. Students conducting their primary research in Costa Rica must take a minimum of one graduate course at CATIE. Additional courses can be taken later at UI. A typical curriculum schedule for IGERT fellows is listed in Table 1 (p. 5).

Table 1. A typical curriculum for IGERT fellows; credits are in parentheses. (See Table 2 for examples of the IGERT core courses.)

<i>1st Semester</i>	<i>2nd Semester</i>	<i>Remaining Semesters</i>
IGERT 504* (3)	IGERT 504* (3)	IGERT Seminar/501 (1)
IGERT Seminar/501 (1)	IGERT Seminar/501 (1)	IGERT Core Course (2-3)
Spanish (3-4)	Spanish (3-4)	IGERT Core Course (2-3)
IGERT Core Course (2-3)	IGERT Core Course (2-3)	Disciplin. Course (2-3)
Disciplin. Course (2-3)	Disciplin. Course (2-3)	Disciplin. Course (2-3)
		Internship 598

*504 may not be offered both semesters

Internships. All IGERT fellows are required to have an internship of from three to six months in the location that is not their major geographic area of study (e.g., a fellow whose primary research is in Idaho will intern in Costa Rica, and vice versa). This internship is intended to relate to the IGERT Project theme (achieving biodiversity conservation and sustainable economic production in anthropogenically fragmented landscapes). The internship will promote better integration of education and research and ensure exposure to diverse research and geographic areas. Through the internship program, fellows may also have the opportunity to broaden their disciplinary emphasis. The internship program is designed so that all fellows will have active involvement in team research efforts, while working on a project of relevance to their own research. The internship may be conducted with person(s) outside the team and outside the IGERT program. Fellows doing internships in Costa Rica are encouraged to work with CATIE faculty.

Fellows will be required to present to their graduate committee a two- to four-page proposal for their internship. This proposal should detail the expectations of the fellow regarding the outcome of the research, how it fits with disciplinary and interdisciplinary research, the IGERT Project theme.

Fellows will be required to present a seminar based on their internship project. Results from research conducted during an internship could be used to develop a collaborative dissertation chapter.

Fellows must register for Internship (598) in the departments in which they are taking the internship.

Table 2. Examples of courses that can be used to satisfy the requirements for multidisciplinary education covering the four core areas within IGERT.

Course Listing*

Biophysical Sciences

WLF 440/240 Conservation Biology (UI)
WLF 540 Conservation Genetics (UI)
For/Range 527 Landscape Ecology of Forests and Rangelands (UI)
Monitoring of Ecological and Social Sustainability in Tropical Ecosystems (CATIE)

Social Sciences and Ethics

For 586 Social Ecology of Natural Resources (UI)
RRT 493 International Issues in Nature Conservation (UI)
WLF 520 Human Dimensions of Natural Resource Management (UI)
Phil 452 Environmental Philosophy (UI)
AgEcon 4XX Law, Ethics and Environment [under development]

Economics

Econ 385 Environmental Economics (UI)
Econ/Ag Econ 451 Land and Natural Resource Economics (UI)
For 581 Integrated Forest Resource Economics (UI)
Economic Bases for Sustainable Production (CATIE)

Agriculture and Forestry

Introduction to Agroforestry Systems (CATIE)
Ecological Bases for Sustainable Production (CATIE)
Management of Tropical Agroecosystems (CATIE)
Silvopastoral Systems (CATIE)

Spanish**

***This list is not comprehensive. Other courses could be utilized, including those taken during the B.S. (upper division only) or Master's degrees. Fellows should consult with their graduate committee regarding courses.**

****Competency in basic Spanish is required for all IGERT students. Those without prior exposure must take two semesters of Spanish during their first year of coursework at UI. The courses required will depend upon proficiency. Language training will continue during the period of time students conduct research or their internships in Costa Rica. The opportunity to acquire new language skills is one of the professional development components of this educational effort.**

Interdisciplinary Research Teams. Student dissertation teams of three or more fellows, each with individual research objectives from within one of the four core research areas (Conservation Biology and Ecological Genetics; Agricultural and Forest Ecology and Agroforestry; Soil and Watershed Sciences; and Sociology and Environmental Economics), will collaboratively pursue one or more interdisciplinary objectives that address the IGERT Project theme: achieving biodiversity conservation and sustainable economic production in anthropogenically fragmented landscapes. The purpose of these teams is to initiate comparative and cooperative research projects across ecological settings and disciplines, to foster the knowledge of various scientific disciplines and the importance of integrating them, and to develop skills in interdisciplinary research.

Individual teams will differ in the particulars of which disciplines are included, how their work is integrated, the type of collaborative product(s) their research produces, and the timing of completion of collaborative research and individual dissertations.

All fellows/teams must meet the following requirements:

- 1) Teams shall consist of three or more fellow members with primary disciplinary training in the different core research areas within the IGERT program listed above.**
- 2) Within 12 to 18 months of joining the IGERT program, fellows shall identify their general area of interest, form teams, and develop a joint research proposal with the other members of that team.**
- 3) The research proposal developed by each team shall consist of a disciplinary section prepared by each fellow and a minimum of one interdisciplinary section prepared by the team (i.e., a complete team research proposal for a team of four would include four individual disciplinary sections and at least one interdisciplinary section, or five sections; see no. 7, below). The proposal is required before research commences.**
- 4) Teams will prepare their research proposals, with guidance from IGERT principal investigators or participating faculty, as part of the requirements for participating in Entomology/Forestry/Wildlife Resources 504 (Interdisciplinary Research in Biodiversity Conservation and Sustainability). The entire team research proposal must be approved by the IGERT Steering Committee, major professor, and graduate committee. Members of the IGERT Steering Committee will have access to the proposal and will be encouraged to attend the scheduled presentations of proposals at the termination of Entomology/Forestry/ Wildlife Resources 504.**
- 5) Disciplinary sections shall meet the traditional requirements in the department of each fellow's major professor. Each fellow will meet with his/her major professor and graduate committee as necessary to ensure**

successful completion of the disciplinary component of his/her dissertation research.

- 6) Each team must meet as a group with their respective major professors and any interested or especially relevant graduate committee members at least once each semester throughout the project to review progress on the overall project and interdisciplinary component. It is the responsibility of the fellow(s) to schedule these meetings.
- 7) The interdisciplinary section must adhere to standard expectations for academic scholarship: The rationale for interdisciplinary work, protocols for achieving it, and expected products must be presented in this section. This section must include a description of the specific interdisciplinary research product (or products) anticipated; this product (or products) will appear as a chapter (or chapters) within the dissertation of each student team member contributing to that product. It is expected that the interdisciplinary product(s) will be published in a recognized scholarly journal. Formal authorship of the interdisciplinary product(s) will be determined by each team and will include major professors and potentially other participating faculty. (Some funding for cost of publications is available; see p. 13).

All members of each team must participate in the preparation of an interdisciplinary product, but it is not required that all team members contribute to a single product. For example, a team with four members could produce two dual-authored interdisciplinary products rather than a single four-authored product.

The following information regarding teams must be taken into consideration: Once teams have formed, they may accept additional fellows as members. However, this will require the approval of a revised research proposal (see no. 4, above). Any substantial change in a proposal would require the same submission and approval. Team members are not expected to complete all degree requirements simultaneously; however, because interdisciplinary products are part of several fellows' dissertations, these must be completed in time for submission of the dissertation of the team member graduating first. Teams must take this into account when preparing their research plan.

Time Limits. Departmental requirements may apply; it is the responsibility of the fellow to follow university and departmental requirements. However, the IGERT doctoral program is expected to take approximately four to four-and-a-half years for completion. Although completion in three years is possible in some doctoral programs, the nature of the proposed research projects, the required international component of the research and educational activities, and the additional course work, including language training, will demand a longer period of time for completion of the degree. For this reason all students will be admitted into the program during the first two years, and will be expected to complete their degrees between 2005 and 2006.

Procedures for Doctoral Degrees: Appointment of Major Professor and Committee.

A major professor (a member of the UI Graduate Faculty and participating IGERT faculty) must be appointed as early as possible during the first two semesters of study. The relationship of the fellow and major professor is of the utmost importance and close collaboration on financial and academic matters is essential to the success of the fellow. The graduate committee must consist of at least four people and include: the major professor as chair, one (or more) additional member(s) from the department/division, and, if the student is conducting research in Costa Rica, a member of the CATIE faculty, which serves as co-advisor or co-major professor. It is important to identify and include the CATIE faculty member as early as possible, so that he/she can be involved in the project design and discussion. The committee must include a member from the IGERT Steering Committee and members from both colleges. These guidelines may have to be adjusted on a case-by-case basis. A departmental faculty member who has an adjunct appointment to another department cannot be considered an outside committee member for a student in the faculty member's primary department. The committee is approved by the vice president for research and graduate studies in accordance with nomination procedures of the department concerned. At least one-half of the members of the committee must be members of the Graduate Faculty. A faculty member may not serve on a committee for a student who is seeking a degree higher than the faculty member has attained. The committee assumes responsibility for directing the student's program under the leadership of the committee chair, who is also the research advisor. **CoGS requires a form to be filed with them when the graduate committee has been formed. Failure to comply with this procedure during the first year in the IGERT project will result in suspension of funding.**

Preparation of Study Plan. **Within two semesters of starting the IGERT Project at UI, the fellow, in consultation with his/her major professor and graduate committee, prepares a study plan for approval by the fellow's graduate committee, the departmental administrator, and the vice president for research and graduate studies. Changes later deemed desirable may be made on a "Change of Study Plan" form and approved by the committee (all forms provided by CoGS). Failure to comply with this procedure will result in suspension of funding.**

Preliminary Examination for Doctoral Degree. **The preliminary examination should be scheduled after the fellow has completed the majority of the courses in his/her study plan; departmental requirements apply. The preliminary examination could potentially occur during the third semester if the fellow is in Moscow; for IGERT fellows beginning the project with no Master's, it may occur during the second or third year—but ideally within the first two years; this should be decided by the graduate committee.**

The preliminary examination will include an interdisciplinary component designed by the IGERT Steering Committee. In most cases the fellow's graduate

committee will have active involvement in the examination. All committee members, including CATIE faculty, should be present (or connected via telephone or video link) for the oral portion of the preliminary examination.

The student's committee certifies to CoGS the results of the preliminary examination and, if passed, the student is advanced to candidacy. Graduation must occur no later than five years after the date on which the candidate passed his or her examination. If the preliminary examination is failed, it may be repeated only once; the repeat examination must be taken within a period of not less than three months or more than one year following the first attempt. If a student fails the preliminary examination a second time, or the department does not allow the student to repeat the examination after the first failure, or the student does not retake the examination within one year, the student is automatically moved to unclassified enrollment status, and is no longer in the degree program.

Application for Advanced Degree. The Application for Advanced Degree is submitted to the CoGS office prior to the last day of the previous semester in which graduation is intended. This application deadline is listed on the calendar in the *Time Schedule*. Before filing the application, the candidate and the major professor must jointly ascertain that the candidate has met all degree requirements or will do so by completion of current registration.

Registration Requirements. A graduate student defending and/or submitting a dissertation must be registered for dissertation credit. See also "Registration and Enrollment Requirements" under general regulations (p. 2). A student who was registered during a term and did not complete all requirements by the end of that term, but does so before the official opening date of the new term, is awarded the degree at the end of the following term without further registration.

Final Defense. Before the defense, the "Authorization to Proceed with Final Defense" form, a page from the "Graduate Handbook for Theses and Dissertations," is submitted to CoGS. The final defense for a doctoral degree normally is not taken earlier than five months after passing the preliminary or general examination. However, the actual time for the final defense is set by the student's committee. It is held upon completion of the dissertation and after authorization forms have been issued by CoGS, but not earlier than ten working days after approval by CoGS to schedule the defense. **All committee members, including CATIE faculty, should be present (or connected via telephone or video link) in the final defense.** A recommendation of a majority of the committee is necessary for a candidate to pass this defense. The defense, if failed, may be repeated once: The interval before the second attempt may not be less than three months or longer than one year. If a student fails the final defense a second time, or the department does not allow the student to repeat the defense after the first failure, or the student does not retake the defense within one year, the student is automatically moved to unclassified enrollment status, and is no longer in the degree program. Following a successful defense of his/her dissertation, the candidate must submit the final copies within six months; otherwise, the candidate must defend the dissertation again and may be required to revise it or write an entirely new one.

The interdisciplinary portion of the dissertation, the process of the defense, and IGERT Steering Committee's and fellows' participation are under discussion.

Dissertation. Two reproduced copies of approved quality and two additional copies of the title page and abstract (not to exceed 350 words) must be deposited in CoGS by the date specified in the *Time Schedule*. Doctoral candidates pay a fee for the publication of the abstract in Dissertation Abstracts and for microfilming the dissertation by University Microfilms. A "Graduate Handbook for Theses and Dissertations," which describes requirements and make suggestions for the preparation of dissertations, should be obtained from CoGS. Students must conform to current rules and regulations when preparing dissertations. **IGERT fellows' dissertations must conform to these guidelines.**

Annual Meetings. The IGERT Project will conduct an annual research meeting (symposium), which will be held in June or July at alternating venues, Costa Rica or Idaho. Each fellow is expected to attend this meeting and to make a presentation of his/her disciplinary work in progress or proposed. In addition, each team will make a presentation of its interdisciplinary research. Short written reports based on these presentations must be presented to the IGERT Steering Committee; these will be compiled as part of the proceedings. Major professors will be encouraged to attend.

The annual research symposium will include "breakout" workshops on specific themes pertinent to the efforts of multiple IGERT teams. These workshops will help identify and clarify aspects of research shared by different teams and contrast the experiences of teams working on similar issues in different settings. Workshop participants (fellows, major professors, and faculty advisors) are expected to prepare written summaries of workshop outcomes for submission to the IGERT Steering Committee; these will be compiled as part of the proceedings. The entire annual meeting proceedings will be provided to each IGERT fellow, principal investigator, and other participants.

NON-ACADEMIC IGERT INFORMATION

The IGERT Fellowship. Each fellow receives an stipend of \$21,500, accompanied by an annual \$10,500 Cost-of-Education [COE] allowance, for a period of three years of the fellow's program. Additionally, each fellow will receive credit for \$2,000 toward the purchase of a laptop computer and \$240 for a printer (any amount over these credits will be the responsibility of the fellow).

The IGERT fellowship of three years will typically NOT be sufficient for completion of the Ph.D. It is the responsibility of the fellow and his/her major professor to plan accordingly to procure necessary funds to complete the degree program or to make other plans as necessary to budget expenses.

Fellows must go to the Student and Temporary Employment Office upon arrival in Moscow to be placed in the system to initiate payment of the stipend and COE. There the following forms need to be filed: Employment Eligibility

Verification (I-9), the Employment Authorization Card, the Withholding Allowance Certificate, and the Request to Deposit Payroll Check.

The Cost of Education Allowance. The COE will be dispersed in three installments of \$3,500 at the beginning of fall and spring semesters, and the end of spring semester.

Fellows are responsible for the payment of tuition, fees, and health insurance according to the University's timetable (available on the UI website); those residing at CATIE will be responsible for handling these transactions online and by credit card.

IGERT policy will require that a budget for the COE be prepared by the fellow and submitted for review and approval by the major professor annually; a copy of this approved (signed) budget must be filed in the IGERT office. It is the responsibility of each fellow to use the COE for educational purposes; these include (but not exclusively):

- travel;
- hiring UI undergraduates [process under discussion; see p. 13];
- hiring support personnel in Costa Rica or Idaho; [process under discussion; see p. 13];
- materials and supplies [process under discussion; see p. 13];
- lab analyses;
- conference attendance;
- capital outlay of any kind;
- books and school supplies.

All major expenditures require prior approval by the major professor. The fellow, along with his/her major professor, is advised to develop an overview of his/her research timeline and agenda, and to save as much money in the first year or two of the fellowship to cover later expenses.

Fellows will receive a Federal 1099 form for the COE: All expenses unrelated to education are taxable; this may require filing a 1040(A) form and itemizing deductions and, therefore, consultation with a tax accountant may be advisable.

IGERT Travel. No fellow may initiate travel utilizing IGERT funds without written approval by the Project Director and the major professor (in conjunction with the IGERT Steering Committee) on required justification statement and travel forms. (See Appendix for examples of these required UI and IGERT travel forms). Please be advised that these forms often take four weeks to be processed; therefore, six weeks for gathering signatures of permission for the forms is advisable. This also applies to travel advances. Local travel to Idaho research sites will require a procedure to be decided.

Some funds for travel are available from the University of Idaho Graduate Student Association travel grant program, and fellows are expected to apply for these funds to travel to professional meetings.

Additional IGERT Travel Monies. An amount of approximately \$1,000 will be competitively available, annually, to each fellow for travel. If a fellow wishes to attend a professional conference or meeting, a written justification must be submitted for perusal to the major professor before consideration for this additional travel allowance. Attendance is mandatory at the annual IGERT meetings; therefore, if other travel has occurred, any additional travel funding may need to come from the COE allowance. In most instances, the IGERT Office will assist with forms. It will be necessary for all permissions and forms to be in hand before this assistance begins.

Undergraduate Hiring, Materials and Supplies, and Publication Costs. The IGERT Project budget has limited funds that will allow for the participation of undergraduate students as research assistants for the IGERT fellows during their research or internships. This will provide the fellows the opportunity to learn how to mentor young researchers. The undergraduate students will be provided professional and personal development opportunities that will enhance their potential recruitment as graduate students. The process for hiring, guidance, etc., is under discussion.

Some funding for materials and supplies for graduate student research is available; this will be allocated for the purchase of general laboratory and field supplies. The procedure for distribution to mentors for each fellow is under discussion.

Additionally, some funding exists for costs related to the required publications; these are under discussion.

Additional Expectations/Information. Fellows will help refine the project through internal evaluation, thus providing an opportunity for modification and adjustment of the project activities. They will be involved in the management of the project as an additional training mechanism and to ensure that it is responsive to their needs.

Fellows will participate in interdisciplinary training workshops throughout their education to continue to develop skills for interdisciplinary research and to help cement team membership.

Fellows from different cohorts working in the same geographical location will be encouraged to have regular meetings throughout the year to exchange ideas and work on the interdisciplinary aspects of their projects. While at the same geographical location, students and faculty will participate in bimonthly informal meetings to promote group dynamics.

Fellows will be expected to make presentations at regional, national, or international professional meetings. Such contributions might be jointly produced with other students and originate from their team research activities. Additionally, fellows may be expected to make presentations to local residents of the communities where their dissertation research projects are being conducted.

Fellows will be expected to submit two to three manuscripts for publication in professional journals by the time they complete their degree requirements. At

least one of these manuscripts will be the product of joint research with fellow team members.

The UI/CATIE Joint Ph.D. Program. Not all IGERT fellows are required to be enrolled in the Joint Ph.D. program, but many are expected to do so. Additional information on the joint Ph.D. program will be provided in the future.

These guidelines are subject to modification and improvement following discussions between the Steering Committee, participating faculty, fellows and the funding agency.