

APPENDIX B1

IGERT Monitoring System Crosswalk: PI

**DATA ELEMENTS OF THE INTEGRATIVE GRADUATE EDUCATION AND RESEARCH
 TRAINEESHIP PROGRAM MONITORING SYSTEM (IGERT): PRINCIPAL
 INVESTIGATOR**

New Items	Common Collection Categories	Staff and Project Participant Characteristics ¹	Project Implementation Characteristics ²	Project Outputs ³
	1. IGERT Project Characteristics, Highlights, and Other Information			
	<p><u>Project Characteristics</u></p> <p>Please indicate up to three NSF directorates that most closely correspond to your interdisciplinary research theme.</p> <ul style="list-style-type: none"> • BIO –Biological Sciences • CISE – Computer and Information Science and Engineering • ENG–Engineering • GEO–Geosciences • MPS–Mathematical and Physical Sciences • OPP–Office of Polar Programs • SBE–Social, Behavioral, and Economic Sciences 		X	
	Did you support any IGERT trainees during the current project year? Yes/ No		X	
	<p>Considering the IGERT trainees as a group, how do they compare with graduate students you usually see in terms of their academic/research potential?</p> <ul style="list-style-type: none"> • Far superior to our usual graduate students • Somewhat better than our usual graduate students • About the same as our usual graduate students • Somewhat less promising or less successful than our usual graduate students • Much less promising or less successful than our usual students 		X	
	<p>How do trainees in your program earn their doctoral degrees? <i>[mark all that apply]</i></p> <ul style="list-style-type: none"> • Trainees earn their degrees from the IGERT multidisciplinary/interdisciplinary program. • Trainees earn their degrees from traditional single-discipline departments. • Trainees earn their degrees from multidisciplinary/interdisciplinary programs, centers or units other than IGERT. • Other (certificates, etc.) • Please specify: 		X	
	Does your IGERT project include undergraduate involvement? Yes/ No		X	
	Does your IGERT project include postdoctoral involvement? Yes/No		X	
	<p>Indicate the amount of funds from the current year of IGERT support that will be carried over to the next year:</p> <ol style="list-style-type: none"> 1. Total funds carried over to the next year 2. Participant support costs carried over to the next year 3. Stipends carried over to the next year 		X	

New Items	Common Collection Categories Question	Staff and Project Participant Characteristics	Project Implementation Characteristics	Project Outputs
	<p><u>Research Achievements</u></p> <p>Please describe up to three interdisciplinary research achievements/discoveries/outcomes that demonstrate how your IGERT has been particularly effective in attaining the interdisciplinary research goals you set out to achieve during this reporting period. These might be important research findings extending knowledge in your interdisciplinary theme research area or research advances made possible through the interdisciplinary teamwork in your IGERT project.</p> <p>[The PI has an option to make each achievement available for use on the IGERT Resource Center Web site, viewable by the general public]</p>			X
	<p><u>Education Achievements</u></p> <p>Please describe up to three achievements/outcomes that illustrate exceptional added value to the trainees' educational experience during this reporting period. Please focus on overall programmatic achievements, rather than achievements of individual trainees.</p> <p>[The PI has an option to make each achievement available for use on the IGERT Resource Center Web site, viewable by the general public]</p>			X
	<p><u>Trainee Achievements</u></p> <p>Please describe up to three research or education achievements/outcomes, involving either a single trainee or a group of trainees made possible through the participation of trainees in your IGERT project during this reporting period.</p> <p>[The PI has an option to make each achievement available for use on the IGERT Resource Center Web site, viewable by the general public]</p>			X
	<p><u>Barriers to Implementation</u></p> <p>Please identify and describe up to three key barriers you have encountered in the process of implementing your IGERT project during this reporting period. For each barrier identified, briefly describe how your project has responded.</p> <p>[The system collects the barriers and responses as separate data elements]</p>		X	
	<p><u>Outreach Activities</u></p> <p>Please report any outreach activities involving your IGERT that occurred</p>			X

New Items	<p style="text-align: center;">Common Collection Categories</p> <p>Question</p>	<p style="text-align: center;">Staff and Project Participant Characteristics</p>	<p style="text-align: center;">Project Implementation Characteristics</p>	<p style="text-align: center;">Project Outputs</p>
	<p>during this reporting period. Outreach activities include your IGERT project, IGERT faculty and/or IGERT Trainees being featured in the media (e.g., TV, radio, magazine articles) or talks, presentations, or workshops given to school groups, civic groups, non-scientific based professional groups, members of the government, or the general public.</p> <p>Please mark the checkbox if you do not have any Outreach Activities to report.</p> <p>For each activity:</p> <ol style="list-style-type: none"> 1. Short Title 2. Name of the media outlet or organization for which outreach was done 3. Date of the activity 4. Brief description of the activity, including the type of activity and the names of the IGERT individuals involved. 			
	<p><u>NSF Highlights</u></p> <p>Each year, NSF program officers are asked to write "Highlights" (formerly known as "Nuggets") on the results of NSF research and education awards. These Highlights are used to help assess NSF's performance in attaining the strategic outcome goals outlined in the NSF 2006-2011 Strategic Plan and to share successes with various groups.</p> <p>Your Highlight will probably relate to one of the achievements reported in sections 1b, c or d, but in greater detail and with images. When writing your Highlight, please clearly describe how the interdisciplinary theme of your IGERT project made this work possible, as distinct from what might have been possible through only a single-discipline research or education grant. Also, please write the Highlight such that a general audience can grasp the importance, value and merit of the research, the educational outreach or whatever results you are highlighting.</p> <p>Starting with a statement of what the research team has achieved and why it is important and then going on to explain what problem is being solved, or obstacle is being overcome, or new discovery that was made is a great way to write a Highlight for maximum effectiveness.</p> <p>Reporting Highlights is related to requirements under the Government Performance and Results Act (GPRA).</p> <p>Please respond only if you have something appropriate to share for this</p>			X

New Items	Common Collection Categories	Staff and Project Participant Characteristics	Project Implementation Characteristics	Project Outputs
	<p>reporting period.</p> <p>Guidelines for Writing Highlights</p> <ul style="list-style-type: none"> • Write for a general audience. Common uses for highlights include the following: program monitoring by NSF staff; reporting to Congress on NSF goal attainment; demonstrating achievements in the NSF’s annual Budget Requests, Performance and Accountability Reports (PAR), and other documents; and providing information for the general public. Well-written, informative Highlights submitted here may serve several purposes and thereby eliminate duplicate writing efforts later. • Include images. NSF highlights and images are used not only by the Advisory Committee for GRPA Performance Assessment, but also for illustration, in the NSF's annual Budget Requests, Performance and Accountability Reports (PAR), and other documents. Clear, colorful images (pictures, graphs, charts, etc.) greatly enhance the value of highlights. • Provide sufficient information to describe the research and the results so that the IGERT Program Officers can determine whether or not a specific objective (and therefore, outcome goal) was met and its most valuable use. • Start with a statement of what the research team has achieved, and then go on to explain why it solves a problem or overcomes an obstacle. Do not start with a lengthy explanation of the problem to be solved. Example: "Prof. Blivett and her team at the University of Eutaw have discovered/achieved/developed XYZ. This was hard/remarkable/useful/world-changing because ... or this seminal development could lead to practical applications in ..." • Include the location and/or lead institution for the research and the names of all principal investigators. • Include an explicit statement that NSF is supporting this work (this can usually be done very quickly in passing, e.g., "NSF-funded researchers at Stanford University have demonstrated ...", or "Astronomers working at NSF's Gemini Observatory have discovered...") • Spell out NSF program names. Be sure to spell out acronyms. <p>For each highlight:</p> <ol style="list-style-type: none"> 1. Descriptive title for this Highlight 2. Please indicate the primary and secondary NSF strategic goal(s) that best describe the highlight [For each NSF goal listed, the PI selects either primary or secondary] 3. Describe the achievement/result that is the Highlight 4. How does this activity address the primary and secondary NSF strategic goals that you marked above? <p>For each Highlight Image:</p> <ol style="list-style-type: none"> 1. Descriptive title for this Highlight image 2. Upload image file (bmp, gif, jpeg, pdf, png, or tiff only) 3. Does NSF have permission to use this image? Yes/No 4. Image credits (Required only if you answered "yes" to the 			

New Items	Common Collection Categories	Staff and Project Participant Characteristics	Project Implementation Characteristics	Project Outputs
	<p>previous question)</p> <p>5. Description of image (optional)</p>			
	2. IGERT Project's Personnel and Trainees			
	Provide for each Principal Investigator:			
	Mark the checkbox if [PI Name] served as PI for the current project year		X	
	Name: First, Middle Initial, Last, Maiden	X		
	Contact Information: Title Department at Institution Address at Institution Institution City Institution State Zip Code Phone Extension Fax E-mail Address Web URL	X		
	Ethnicity (Choose one): <ul style="list-style-type: none"> • Hispanic or Latino • Not Hispanic or Latino • Not reported 	X		
	Race (Choose one or more): <ul style="list-style-type: none"> • American Indian or Alaska Native • Asian • Black or African American • Native Hawaiian or other Pacific Islander • White • Not Reported 	X		
	Gender (Choose one): <ul style="list-style-type: none"> • Male • Female • Not reported 	X		
	Disability Status (Choose one or more): <ul style="list-style-type: none"> • Hearing Impairment • Visual Impairment • Mobility/Orthopedic Impairment • Other (please specify) • None • Not reported 	X		
	Citizenship (Choose one): <ul style="list-style-type: none"> • U.S. Citizen/U.S. National • U.S. Permanent Resident 	X		

New Items	Common Collection Categories Question	Staff and Project Participant Characteristics	Project Implementation Characteristics	Project Outputs
	<ul style="list-style-type: none"> Other Non-U.S. Citizen Not Reported 			
	Provide for each IGERT Coordinator:			
X	Name: First, Middle Initial, Last, Maiden	X		
X	Contact Information: Institution Name Title Department at Institution Current Address Current City Current State Zip Code Phone Extension Fax, E-mail Address Web URL	X		
	Provide for each IGERT Co-PI or Trainee/Associate Advisor:			
	Name: First, Middle Initial, Last, Maiden	X		
	Mark the checkbox if the individual served as co-PI or trainee/associate advisor for the current project year.			
	Role in Project (Mark all that apply): <ul style="list-style-type: none"> Co-PI Trainee/Associate Advisor 	X		
	Contact Information: Institution Name Title Department at Institution Address at Institution Institution City Institution State Zip Code Phone Extension Fax E-mail Address Web URL	X		
	Current IGERT Advisor Yes/No		X	
	Ethnicity (Choose one): <ul style="list-style-type: none"> Hispanic or Latino Not Hispanic or Latino Not Reported 	X		

New Items	Common Collection Categories Question	Staff and Project Participant Characteristics	Project Implementation Characteristics	Project Outputs
	Race (Choose one or more): <ul style="list-style-type: none"> • American Indian or Alaska Native • Asian • Black or African American • Native Hawaiian or other Pacific Islander • White • Not Reported 	X		
	Gender (Choose one): <ul style="list-style-type: none"> • Male • Female • Not reported 	X		
	Disability Status (Choose one or more responses): <ul style="list-style-type: none"> • Hearing Impairment • Visual Impairment • Mobility/Orthopedic Impairment • Other • None • Not reported 	X		
	Citizenship (Choose one): <ul style="list-style-type: none"> • U.S. Citizen/U.S. National • U.S. Permanent Resident • Other Non-U.S. Citizen • Not Reported 	X		
	Provide for each IGERT Trainee and Associate:			
	Name: First, Middle Initial, Last, Maiden	X		
X	E-mail Address	X		
	Verify IGERT-required Citizenship/Residency Status [not applicable to associates] <ul style="list-style-type: none"> • Yes, the trainee is a U.S. Citizen/U.S. National or U.S. Permanent Resident • No, the trainee does not meet IGERT citizenship Requirement. If not, why? 	X		
	GRE Scores : <ul style="list-style-type: none"> Verbal Quantitative Analytical Subject (Select GRE Subject) <ul style="list-style-type: none"> • Biochemistry • Cell & Molecular Biology • Biology • Chemistry • Computer Science • Economics, Education • Engineering • Geology • History • Literature in English, • Mathematics • Music 	X		

New Items	Common Collection Categories Question	Staff and Project Participant Characteristics	Project Implementation Characteristics	Project Outputs
	<ul style="list-style-type: none"> • Physics • Political Science • Psychology • Revised Music • Sociology 			
	Indicate when the trainee/associate first enrolled in graduate study in this institution (mm/yyyy)		X	
	Indicate when the trainee first began receiving IGERT funding (not applicable to associates) (mm/ yyyy)		X	
X	Indicate when the associate first began participating in the IGERT project (not applicable to trainees) (mm/ yyyy)		X	
	Indicate whether this trainee is a Funded Trainee or a Formerly Funded Trainee for this reporting period. (Note: A trainee who received IGERT funding for any or all of this reporting period is a Funded Trainee.) <ul style="list-style-type: none"> • Funded Trainees: Specify the Number of months funded • Formerly Funded Trainees (not applicable to associates) 		X	
	Has student been engaged in IGERT activities, research, education or training during this reporting period? Yes/No		X	
	Please describe the current situation that best describes this IGERT Trainee/Associate [select one] <ul style="list-style-type: none"> • Has not yet graduated, but is pursuing a PhD in your institution. • Has not yet graduated, but is pursuing a Master’s degree at your institution. • Has graduated from your institution with a PhD. [Enter month/year completed] (mm/ yyyy) • Has graduated from your institution with a Master’s degree. [Enter month/year completed] (mm/ yyyy) • Has left your institution without earning degree. [insert month/year departed] 		X	
	3. Project Features			
	<u>Trainee Preparation in Multidisciplinary/Interdisciplinary Research</u> Briefly describe up to three of the best practices for preparing IGERT trainees to conduct collaborative research that transcends traditional disciplinary boundaries. For each, describe the measures used by your IGERT during this reporting period to identify the practice as a best practice. (Responses are limited to 1000 characters for each best practice.) [Three pairs of textboxes for “Best Practice” and “Measure.”] [The PI has an option to make each best practice and measure pair available for use on the IGERT Resource Center Web site, viewable by the general public]		X	

New Items	Common Collection Categories	Staff and Project Participant Characteristics	Project Implementation Characteristics	Project Outputs
	<p>Question</p> <p>Mark the following components of multidisciplinary/interdisciplinary research preparation that apply to the majority of IGERT trainees involved in your project during this reporting period. (Mark all that apply)</p> <ul style="list-style-type: none"> • Trainees took coursework/training in research methods, practices and instrumentation in their primary discipline equivalent to traditional graduate students. • Trainees undertook formal coursework/training in research methods, practices, and instrumentation in their primary discipline equivalent to traditional graduate students. • Trainees had practical, hands-on laboratory and/or field experience in conducting research across the breadth of disciplines in the IGERT program. • Trainees undertook formal coursework/training across the breadth of disciplines encompassed by the IGERT project. • Trainees undertook formal coursework/training in both the ethical conduct of research and ethical conduct related to the themes encompassed by your IGERT project. • Other preparation to conduct high-quality research (please specify: _____) • No components of [section/question title] applied during this reporting period. 		X	
	<p><u>Trainee Preparation in Professional Skills</u></p> <p>Mark the following components of professional skills development that apply to the majority of IGERT trainees in your project during this reporting period. (Mark all that apply)</p> <ul style="list-style-type: none"> • Trainees undertook coursework/training that included regular faculty critique of and feedback on professional writing. • Trainees authored, submitted or published research papers in refereed journals. • Trainees took coursework/training (e.g., brown bags, seminars) that included regular critique of and feedback on professional speaking/presentation skills. • Trainees made presentations at academic/scientific professional conferences or meetings. • Trainees presented results from their IGERT to professional, non-academic audiences (e.g., industry, government). • Trainees undertook coursework/training to develop media-based or information technology-based communication skills. • Trainees produced multimedia materials, Web sites, or other cyber-enabled tools to communicate the results of their IGERT activities to external audiences. • Trainees used multimedia materials, Web sites, or other cyber-enabled tools as part of their interdisciplinary scientific training and collaboration. • Trainees received training in team-building and project management skills. • Trainees received training in effective time and task management. • Trainees participated as members of teams engaged in joint research, education, and/or outreach efforts. 		X	

New Items	<p style="text-align: center;">Common Collection Categories</p> <p>Question</p>	<p style="text-align: center;">Staff and Project Participant Characteristics</p>	<p style="text-align: center;">Project Implementation Characteristics</p>	<p style="text-align: center;">Project Outputs</p>
	<ul style="list-style-type: none"> • Trainees led teams engaged in research, education, and/or outreach efforts. • Other preparation in professional skills development (please specify: _____) • No components of [section/question title] applied during this reporting period. 			
	<p><u>Trainee Preparation for STEM Careers</u></p> <p>Mark the following components that apply to the majority of IGERT trainees in your project during this reporting period. (Mark all that apply)</p> <ul style="list-style-type: none"> • Trainees received training or instruction (e.g., courses, workshops) in effective teaching practices. • Trainees developed and presented course and/or curriculum materials. • Trainees served as mentors to others (e.g., graduate students, undergraduates, laboratory technicians). • Trainees received training/mentoring in grant proposal preparation. • Authored/co-authored and submitted grant proposals. • Trainees received training/instruction on the interaction between academic research and industrial technical requirements. • Trainees received training/instruction for applying their research to address public policy concerns or issues. • Trainees had internships (off-campus, research, educational and/or work experiences) in non-academic settings (e.g., industry, government). • Trainees had professional interactions other than internships with non-academic employers (e.g. industry, government) in order to learn about career opportunities and requirements. • Trainees communicated, worked, or collaborated with scientists of other nationalities. • Other preparation for careers in academia (please specify: _____). • Other preparation for non-academic careers (e.g., industry, government) (please specify: _____). • No components of [section/question title] applied during this reporting period. 		X	
	<p><u>Tactics for Recruitment and Broadening Participation</u></p> <p>Do you have an overall, active plan with a specific set of goals and timelines for the recruitment and retention of trainees, including specifics for broadening participation of groups underrepresented in science and engineering? Yes/No</p> <p>If no, please explain: (Responses are limited to 1000 characters for each practice.)</p>		X	
	<p>Regardless of your response to the prior question, please describe up to three of the best practices for recruiting qualified trainees to your IGERT during this reporting period. (Responses are limited to 1000 characters for each practice.) <i>[Three textboxes for Best Practice 1, 2 and 3.]</i></p> <p>[The PI has an option to make each best practice available for use on the</p>		X	

New Items	Common Collection Categories Question	Staff and Project Participant Characteristics	Project Implementation Characteristics	Project Outputs
	IGERT Resource Center Web site, viewable by the general public]			
	<p>Please describe the extent to which each of the following practices been productive for recruiting trainees overall to your IGERT during this reporting period. [Four check boxes for each bulleted item. Boxes are labeled “Productive”; “Somewhat productive”; “Not productive”; “NA”]</p> <ol style="list-style-type: none"> 1. Relationships with NSF programs that can provide an undergraduate pool of potential IGERT trainees (e.g., REUs, NSF Centers) 2. Relationships with faculty and programs at other academic institutions 3. Use of recruiting resources on your IGERT campus (e.g., career service office, graduate studies office) 4. Collaboration with other IGERTs on recruitment. 5. Use of professional meetings, conferences, associations to communicate with, reach out to, and market to potential IGERT trainees 6. Other (please specify: _____) 		X	
	<p>Please describe the extent to which each of the following practices have been productive for recruiting underrepresented minority and women trainees to your IGERT during this reporting period. [Four check boxes for each bulleted item. Boxes are labeled “Productive”; “Somewhat productive”; “Not productive”; “NA”] and {Respondents respond twice for each bulleted item; once for URM and once for women.}</p> <ol style="list-style-type: none"> 1. Relationships with NSF programs that specifically focus on broadening participation of underrepresented minorities or women in STEM (e.g., LSAMP, AGEP, TCUP, or ADVANCE) 2. Use of resources on your campus (e.g., academic advancement programs, offices for campus diversity, or minority and women’s student groups) 3. Interaction with professional associations, organizations, or committees serving underrepresented minorities communities or women (e.g., National Action Council for Minorities in Engineering, Society of Women Engineers, committees in professional societies focused on minority communities and women) 4. Bridge programs for entering graduate students 5. Mentoring or advisement arrangements that take advantage of underrepresented minorities or women faculty or graduate students on campus 6. Relationships with faculty and programs at minority-serving academic institutions (e.g., historically black colleges and 		X	

New Items	Common Collection Categories	Staff and Project Participant Characteristics	Project Implementation Characteristics	Project Outputs
	<p>universities (HBCUs), Hispanic-serving institutions, or tribal colleges). {This item will be marked N/A or blanked out for women}</p> <p>7. Collaboration with other IGERT projects on recruitment</p> <p>8. Other (please specify: _____)</p>			
	<p><u>International Opportunities</u></p> <p>According to NSF records, you project [has/does not have] explicit funding for an international component. If you think this is incorrect, please contact ICF Macro</p>		X	
	<p>Briefly identify up to three training experiences or components that provided exceptional “added value” for preparing IGERT trainees to be successful in international/global science and engineering. NOTE: This can include U.S.-based experiences. <i>[Three textboxes for Training Experiences/Components 1, 2 and 3.]</i></p> <p>[The PI has an option to make each training experience or component available for use on the IGERT Resource Center Web site, viewable by the general public]</p>			X
	<p>Responding to the remaining questions is mandatory only for IGERT projects with explicit funding for the international component.</p> <p>Is International participation required for all trainees in your IGERT project? Yes/No</p>		X	
	<p>Did one or more trainees from your IGERT project engage in an international experience through the project during this reporting period? Yes/No</p> <p>If yes, please click on the "Add an international experience" button below to describe the experience and the country. NOTE: You will need to repeat this step for each country in which trainees engaged in an international experience during this reporting period</p> <p>For each country:</p> <ol style="list-style-type: none"> 1. Country [pull-down menu] 2. Trainee(s) involved [checkboxes per trainee] 3. Which of the following international actions or work in this country involved trainees? (Mark all that apply) <ul style="list-style-type: none"> • Trainees attended conferences/workshops. 		X	

New Items	Common Collection Categories Question	Staff and Project Participant Characteristics	Project Implementation Characteristics	Project Outputs
	<ul style="list-style-type: none"> • Trainees undertook coursework/training. • Trainee(s) worked, conducted research/field work, or interned in industrial settings. • Trainee(s) worked, conducted research/field work, or interned in academic settings. • Trainee(s) worked, conducted research/field work, or interned in other settings (e.g., national laboratories, non-governmental organizations). • Other international actions/work (please specify: _____) 			
	<p>Identify the value/opportunities for faculty that resulted from the International experiences of IGERT Project. (Mark all that apply)</p> <ul style="list-style-type: none"> • Faculty have developed new collaborations. • Faculty have developed new access to facilities/skills. • Faculty have developed new opportunities for research/education/training. • Other (please specify: _____) 			X
	<p>Briefly identify up to three research or educational achievements resulting from the International component. Each achievement may involve a single trainee or a group of trainees. <i>[Three textboxes for Research/Educational Achievements 1, 2 and 3.]</i></p> <p>[The PI has an option to make each research or educational achievement available for use on the IGERT Resource Center Web site, viewable by the general public]</p>			X
	<p><u>Partnerships/Collaborations</u></p> <p>Were there active partnerships/collaborations outside of your university through your IGERT project during this reporting period? Yes/No</p> <p>NOTE: Examples include other academic institutions (including IGERT partners), industrial or business partners, government agencies and laboratories, and non-profit organizations. If you are in doubt about whether to include information on a specific relationship between your IGERT and another organization, please include the information.</p> <p>If yes, please specify one of the four partnership/collaboration types [academic, corporate, government, other], and click on the "go" button to input information on the partnership/collaboration. You will need to repeat this step for each additional partnership/collaboration to report.</p>		X	
	Provide for each Partner:			
	Institution/Organization Name		X	
	<p><u>Details on this partner:</u></p> <p>If partner is an academic institution, please select all that apply.</p> <ul style="list-style-type: none"> • Ph.D.-granting institution • Non-Ph.D.-granting institution 		X	

New Items	<p style="text-align: center;">Common Collection Categories</p> <p>Question</p>	<p style="text-align: center;">Staff and Project Participant Characteristics</p>	<p style="text-align: center;">Project Implementation Characteristics</p>	<p style="text-align: center;">Project Outputs</p>
	<ul style="list-style-type: none"> • Minority-serving institution • K-12 institution • Foreign-based institution <p>If Partner is a government organization or agency – select the best option.</p> <ul style="list-style-type: none"> • U.S. federal agency or department • U.S. federal laboratory or research facility • Foreign institution or foreign government/agency (If yes, please indicate the foreign country _____) <p>If Partner is a corporate or industrial partner</p> <ol style="list-style-type: none"> 1. Please select the descriptions that best fit the corporate or industrial partner. Please use your best judgment. [check one] <ul style="list-style-type: none"> • Large company • Small to mid-size company • Start-up company [check one] <ul style="list-style-type: none"> • U.S.-based company • Foreign-based company 2. Please select the sector which best describes the business of your corporate partner [pull down/select one] 3. Please select a Manufacturing Subsector [pull down/select one. Only applicable when Manufacturing sector is specified] 			
	<p><u>Funding arrangement for this partner:</u> [Mark all that apply]</p> <p>Sub-award to partner</p> <ul style="list-style-type: none"> • IGERT lead institution provides subaward to partner for purposes of providing IGERT traineeship stipends to trainees. • IGERT project provides subaward to partner for purposes of providing services or support to IGERT Trainees. <p>Partner provides funding</p> <ul style="list-style-type: none"> • Partner provides funding to the IGERT project specifically for IGERT Trainees in any way (e.g., internships, travel, training). • Partner provides funding to the IGERT project for research, curriculum, or other project activities, but not directly for trainees. <p>Other</p> <ul style="list-style-type: none"> • No funding/direct financial interaction is involved in this partnership. • Other (Please specify: _____) 		X	

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	<p><u>Activities for this partner/institution</u> [mark all that apply]</p> <ul style="list-style-type: none"> • Facilities: IGERT trainees use a partner organization's facilities for project activities. • Collaborative Research/Teaching: Partner organization's personnel work with IGERT project staff on collaborative research/teaching. • Personnel Exchange: IGERT trainees and/or partner organization personnel use each other's facilities or work at each other's site, on an ad hoc or as-need basis. • Internships: IGERT trainees work in a partner's facilities specifically as interns. 		X	
	<p><u>Accomplishments and Outcomes</u></p> <p>Please describe one key accomplishment or outcome (not activity) of this partnering arrangement for the reporting period. (Response limited to 1000 characters.) [Textbox]</p> <p>[The PI has an option to make the accomplishment or outcome available for use on the IGERT Resource Center Web site, viewable by the general public]</p>			X
	4: Project Evaluation and Institutional Impacts			
	<p>Do you have an overall plan with milestones and timelines for measuring progress toward attaining key IGERT project goals? Yes/No</p>			X
	<p>If your IGERT paid for professional evaluation services external to the IGERT institution or used expertise internal to your institution to aid in the evaluation process, please share contact information</p> <p>Organization/individual name Address E-mail Phone Website</p> <p>Was this an external evaluation service provider? Yes/No</p>			X
	<p>Please describe a key insight, and your response to it (if any), that has been identified through assessment and evaluation during this reporting period. (Response is limited to 1000 characters total for the <u>issue/challenge</u> and 1000 characters for the <u>response</u>.)</p>			X

New Items	Common Collection Categories Question	Staff and Project Participant Characteristics	Project Implementation Characteristics	Project Outputs
	<i>[Textbox for “Insight/Learning” and for “Response.”]</i>			
	<p>Please consider your responses to the following in light of changes/impacts that have occurred in your institution as a result of the IGERT during this reporting period. <i>[mark all that apply]</i></p> <ul style="list-style-type: none"> • The institution(s) involved in your IGERT has/have been successful in obtaining large- scale Federal grants (e.g., STC, ERC, MRSEC). • Interdisciplinary/multidisciplinary courses have been developed for IGERT Trainees and Associates. • Interdisciplinary/multidisciplinary courses are being delivered to IGERT Trainees and Associates. • Interdisciplinary/multidisciplinary courses that have been developed for IGERT are being delivered to non-IGERT students. • New certificate or degree programs have been developed and are available on the IGERT campus(es). • Department curriculum or policy changes took place to emphasize or require interdisciplinary/multidisciplinary preparation for all graduate students. • Institutional changes that support and encourage team multidisciplinary/interdisciplinary course development and teaching have occurred. • Institutional changes that support and encourage team-based graduate student learning and assessment have occurred. • Institutional changes that support and encourage graduate students to gain laboratory and research experiences across disciplines have occurred. • Institutional changes incorporating improved recruitment and retention policies and practices for underrepresented groups and women based on IGERT. • Other (Please specify: _____) 			X
	<p>Please describe a demonstrable institutional change (if any) that has occurred during this reporting period due to IGERT. (Response is limited to 1000 characters.) <i>[Textbox]</i></p> <p>[The PI has an option to make the demonstrable institutional change available for use on the IGERT Resource Center Web site, viewable by the general public]</p>			X
	5: Publications/Presentations			
	<p>Please provide information on any publications/patents/presentations resulting from your IGERT project to which you (the PI) or any other personnel (co-PI or advisor, funded trainees, formerly funded trainees, associates) associated with your IGERT project contributed. Please use American Psychological Association (APA) format for all uploads, as shown in the examples under each heading below. Only .txt or .htm documents will be accepted. Please be sure that the names of all Funded or Formerly Funded Trainees are marked with an asterisk (*).</p> <p>Journal Articles in Refereed Publications</p>			X

New Items	Common Collection Categories	Staff and Project Participant Characteristics	Project Implementation Characteristics	Project Outputs
Question				
	<p>Mark the checkbox if you do not have any Journal Articles in Referred Publications during the current reporting period</p> <p>Provide for each Journal Article in Refereed Publications (that has been published either electronically or in print):</p> <ol style="list-style-type: none"> 1. Citation, with author(s) who ever received funding for the IGERT project as IGERT trainees with asterisks(*) <p>Journal Articles in Non-Refereed Publications</p> <p>Mark the checkbox if you do not have any Journal Articles in Non-Refereed Publications during the current reporting period</p> <p>Provide for each Journal Article in Non-Refereed Publications (that has been published either electronically or in print):</p> <ol style="list-style-type: none"> 1. Citation, with author(s) who ever received funding for the IGERT project as IGERT trainees with asterisks(*) <p>Books</p> <p>Mark the checkbox if you do not have any Books during the current reporting period</p> <p>Provide for each Book (that has been published in print):</p> <ol style="list-style-type: none"> 1. Citation, with author(s) who ever received funding for the IGERT project as IGERT trainees with asterisks(*) <p>Book Chapters</p> <p>Mark the checkbox if you do not have any Book Chapters during the current reporting period</p> <p>Provide for each Book Chapter (that has been published in print):</p> <ol style="list-style-type: none"> 1. Citation, with author(s) who ever received funding for the IGERT project as IGERT trainees with asterisks(*) <p>Patent Applications</p> <p>Mark the checkbox if you do not have any Patent Applications during the current reporting period</p> <p>Provide for each Patent Application:</p>			

New Items	Common Collection Categories Question	Staff and Project Participant Characteristics	Project Implementation Characteristics	Project Outputs
	<p>1. Citation, with author(s) who ever received funding for the IGERT project as IGERT trainees with asterisks(*).</p> <p>Patents Awarded</p> <p>1. Citation, with author(s) who ever received funding for the IGERT project as IGERT trainees with asterisks(*).</p> <p>Mark the checkbox if you do not have any Patents Awarded during the current reporting period</p> <p>Provide for each Patent Awarded:</p> <p>1. Citation, with author(s) who ever received funding for the IGERT project as IGERT trainees with asterisks(*).</p> <p>Conference Publications</p> <p>Mark the checkbox if you do not have any Conference Publications during the current reporting period</p> <p>Provide for each Conference Publication (that has been published either electronically or in print):</p> <p>1. Citation, with author(s) who ever received funding for the IGERT project as IGERT trainees with asterisks(*).</p> <p>Conference Presentations</p> <p>Mark the checkbox if you do not have any Conference Presentations during the current reporting period</p> <p>Provide for each Conference Presentation:</p> <p>1. Citation, with author(s) who ever received funding for the IGERT project as IGERT trainees with asterisks(*).</p>			

