



Industry/University  
Cooperative Research  
Centers

# IUCRC Evaluation Update

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IUCRC Annual Directors' Meeting, Arlington, VA, January 11-13, 2012



# Overview

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- Review of Evaluator Responsibilities
- Overview of Changes to the evaluation protocol
- Specific Changes

# Reminders about responsibilities

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## Required Activities

- 1) Attend semi-annual evaluators' meetings (typically in January and June);
- 2) Attend semi-annual Industrial Advisory Board meetings
- 3) Prepare an "Evaluator's Report" when a new center is born and provide an annual narrative summary of significant Center developments for submission to NCSU and your Center Director;
- 4) Complete Semi-Annual Meeting Best Practice Checklist at each IAB meeting and attach to Annual Evaluator's Report for each I/UCRC.
- 5) Administer "process/outcome" questionnaires to faculty, and Industrial Advisory Board Members annually;
- 6) Prepare an annual report based on the process/outcome questionnaire data for your Center and submit to your Center Director;
- 7) Forward process outcome questionnaire data to the evaluation team at NCSU;
- 8) Provide information and feedback to NSF; and
- 9) Provide information and feedback to your Center Director.



# Changes in evaluation protocol

<b>Change</b>	<b>Format</b>	<b>Finalize</b>	<b>Implement</b>
<b>Complete Evaluator Report Cover Sheet (Evaluator Report)</b>	Cover sheet	June 2011	Immediate
<b>Revised Best Practice Checklist (Evaluator Report)</b>	Updated checklist	Summer 2011	Immediate
<b>Collect quantifiable economic impact data</b>	Interview protocol	June 2012	Fall 2012
<b>Eliminate collection of exit interviews</b>	NA	NA	Immediate
<b>Add economic impact questions to P/O questionnaire</b>	Forced-choice questions	June 2012	Fall 2012
<b>Revise methodology for reporting impact data</b>	Dashboard	June 2012	Fall 2012



# Coversheet and checklist

**Evaluators Report Cover Sheet**  
[Evaluator's Name]  
[Period Covered by This Report: [MM/YY – MM/YY]  
[Date]

Center Name: \_\_\_\_\_ Center Director: \_\_\_\_\_

Site	Director	Award Period <sup>1</sup> (MM/YY-MM/YY)	Funding Phase (I, II, or III)

<sup>1</sup>Please list the award period as it applies to each site; this information is available on the [NSF website](#).  
<sup>2</sup>Add additional lines here to list additional sites.

Significant Personnel Changes: \_\_\_\_\_

IAB Meetings	Meeting 1	Members Participating via Video/Phone Conference?	Meeting 2	Members Participating via Video/Phone Conference?
Date		<input type="checkbox"/>		<input type="checkbox"/>
Location				
Attendance: IAB/Total <sup>2</sup>				

<sup>1</sup>Please list total dues-paid members (not people) in attendance over total number of attendees.  
<sup>2</sup>Please attach the [Semi-Annual Meeting Best Practices Checklist](#) as an Appendix to your Evaluator Report.

**Membership Activity Table\***

Member Name	Site	Membership Fee Level (Full, Assoc., etc.)	Status: New, Left, Continuing

<sup>1</sup>Add additional lines here as necessary.

	Estimated Budget This Year	Estimated Budget Last Year
Membership Support for Site A:		
Membership Support for Site B:		
Membership Support for Site C:		
Membership Support for Site D:		
Total Center Support (All Sources):		

<sup>1</sup>Please change the label "Membership Support for Site XX" to reflect the appropriate university sites. Add additional lines here to list additional sites.

Research Breakthroughs: \_\_\_\_\_  
Concerns & Cautions: \_\_\_\_\_  
Supplemental IUCRC Awards Won: \_\_\_\_\_

**Industry-University Cooperative Research Center (IUCRC)  
Semi-annual Meeting Best Practice Checklist**  
[Version: June 10, 2011]

These center best practices help support long-term industry involvement in IUCRCs. IAB members are more likely to gain benefits for their organizations and renew their membership in centers that follow these practices. Evaluators attach **two completed CLs to your annual Evaluator's Report.**

The Center has 2 face-to-face meetings of IAB, Center scientists & students per year:  
 One primarily dedicated to proposal presentations w/ LIFE feedback (+ closed IAB Mtg).  
 One primarily dedicated to a technical review of progress w/ LIFE feedback (+ closed IAB Mtg).  
 Comments: \_\_\_\_\_

At Point of Registration, "Non-Disclosure Form" is signed by each non-member industrial attendee.

At Meeting, "Closed Meeting" sign posted; materials labeled "Center Proprietary"

A "List of Attendees" (industry, university) is contained in each attendee's registration packet.

A Center Update Report that includes:  
 A review of the center's vision and research roadmap and/or priorities  
 A membership status report (including MIPRs and/or gov agency commitment involvement)  
 An annual financial statement x site (w/ member fees collected & amt available for projects)  
 Some discussion of center-related technology advances & economic impact  
 An up-to-date listing of publications list plus PI awards & research highlights (OK if online)  
 Comments: \_\_\_\_\_

A common presentation template is used and adhered to by most presenters (w/deliverables, milestones, timetable, budget & time limits).  
 Comments: \_\_\_\_\_

1-page executive summaries are available to all attendees at each bi-annual IAB meeting.  
 Comments: \_\_\_\_\_

LIFE forms are completed following each presentation.  
 Comments: \_\_\_\_\_

LIFE feedback is discussed by industrial attendees in session(s) scheduled for that purpose.  
 Comments: \_\_\_\_\_

There is a closed IAB session (members can make it open) that includes an opportunity for IAB representatives to raise and discuss issues about center policies, procedures and research direction.  
 Comments: \_\_\_\_\_

A "state-of-the-center" discussion by IAB members.  
 Comments: \_\_\_\_\_

Clear procedures (voting/ranking) are used for project continuation/selection.  
 Comments: \_\_\_\_\_

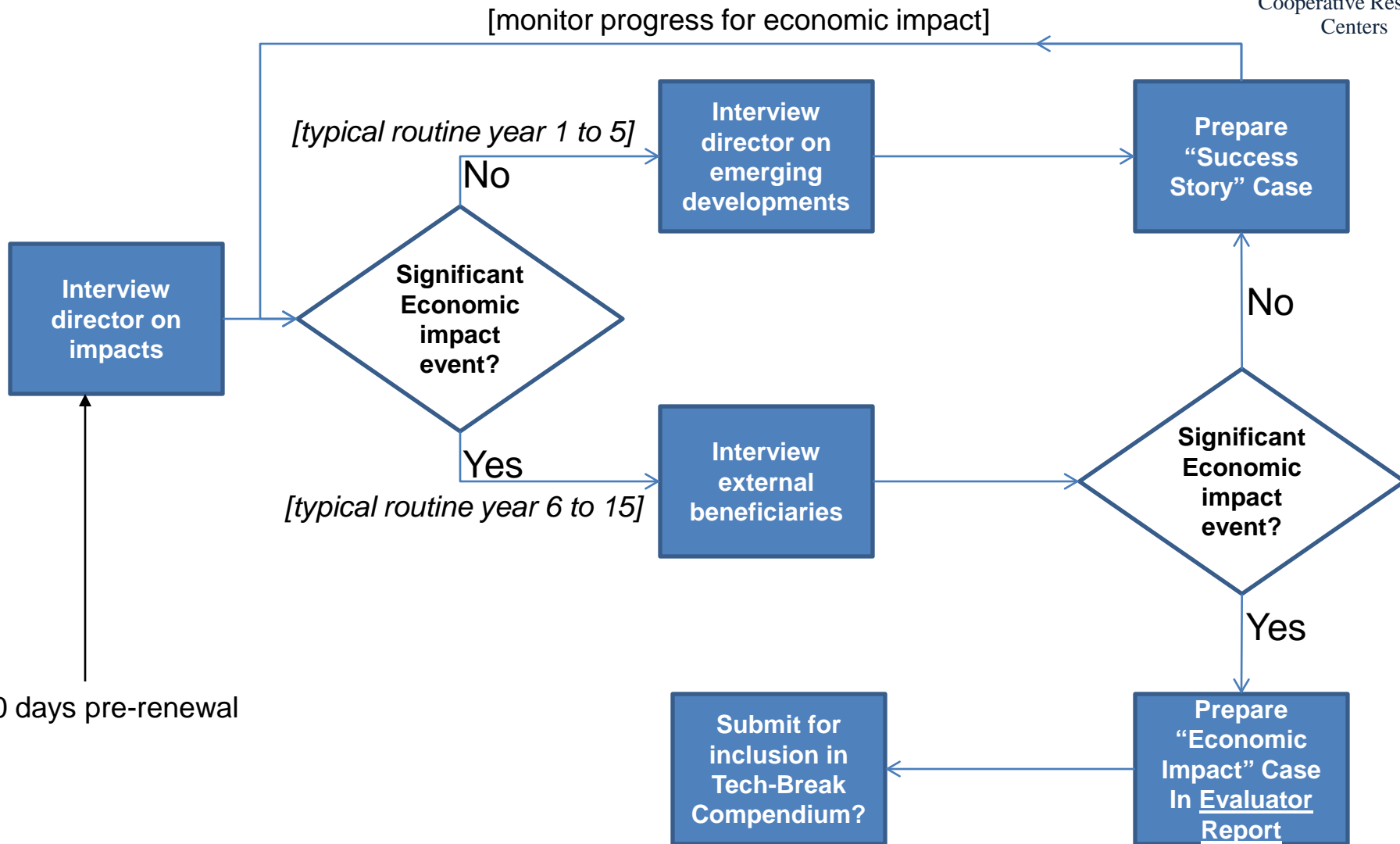
Meeting activities are included that support industry/ university networking; such poster sessions, evening hors d'oeuvres or dinner, and industry-driven mentoring sessions.  
 Comments: \_\_\_\_\_

A discussion of and preferably a decision on the date and location of the next meeting.

# Proposed economic impact assessment process



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# Proposed P/O economic impact items

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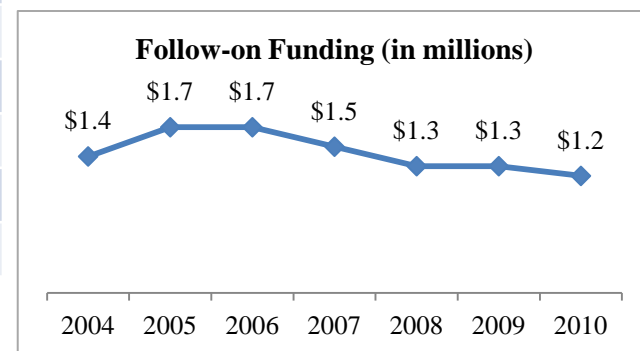
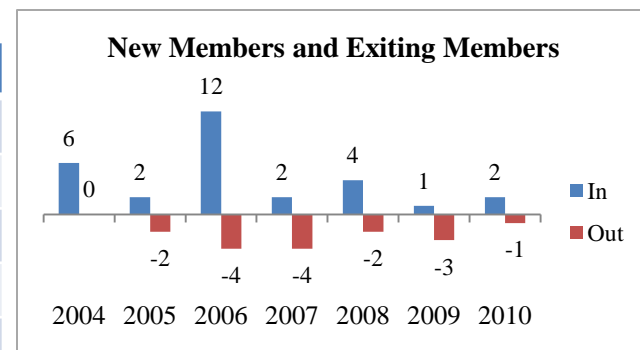
- **Follow-on funding:** value of new or enhanced projects stimulated by center research
- *R&D Cost Savings:* value of accelerated projects or avoided steps
- *R&D Cost Avoidance:* value of projects they would have done internally but did not have to
- *Cost savings:* value of product or process savings by deploying center-derived technology
- *Other: ???*



# Dashboard Example

## Center for Center Evaluation (CCE)

Metric	CCE	IUCRC		Metric	CCE	IUCRC	
<b>Inputs</b>		(avgs)		<b>Outcomes</b>		(avgs)	
PhD Students	12	16.1	●	Publications	20	16.1	●
Faculty	20	14.7	●	PhD Grads	2	3.5	●
Members	14	18.1	●	Patents	0	1.2	
Total fees	\$750k	\$626k	●	Presentations	45	95	●
Total funding	\$1.72M	1.73M		Mbr satisfaction	75%	75%	●
Mtg attendance	60%	85%	●	<b>Economic impacts</b>			
<b>Leveraging</b>				cost avoidance	\$100k	\$100k	
to Industry	2.8:1	2.9:1		cost savings	\$75k	\$250k	●
to Total funding	4.4:1	4.6:1	●	follow-on funding	\$1.2M	\$2.5M	●



### CCE history & assessment

The CCE center is engaged in research on multi-disciplinary R&D collaboration and innovation outcomes. The center launched as a single site CRC in 2004 with 6 members. In 2006 the center integrated two additional university sites and expanded its members to 14. Member churn has been relatively high, in some years losing 25% of its member base. Faculty involvement remains strong, though student participation and graduation rates fall short of program averages. Member satisfaction is in line with program averages, though meeting attendance and follow-on funding has been decreasing since 2007. Data suggest...





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**QUESTIONS?**