

Insights into Integrated Programs



NRI 71.1 PD Meeting
August 8, 2007



Integrated Research, Education, and Extension

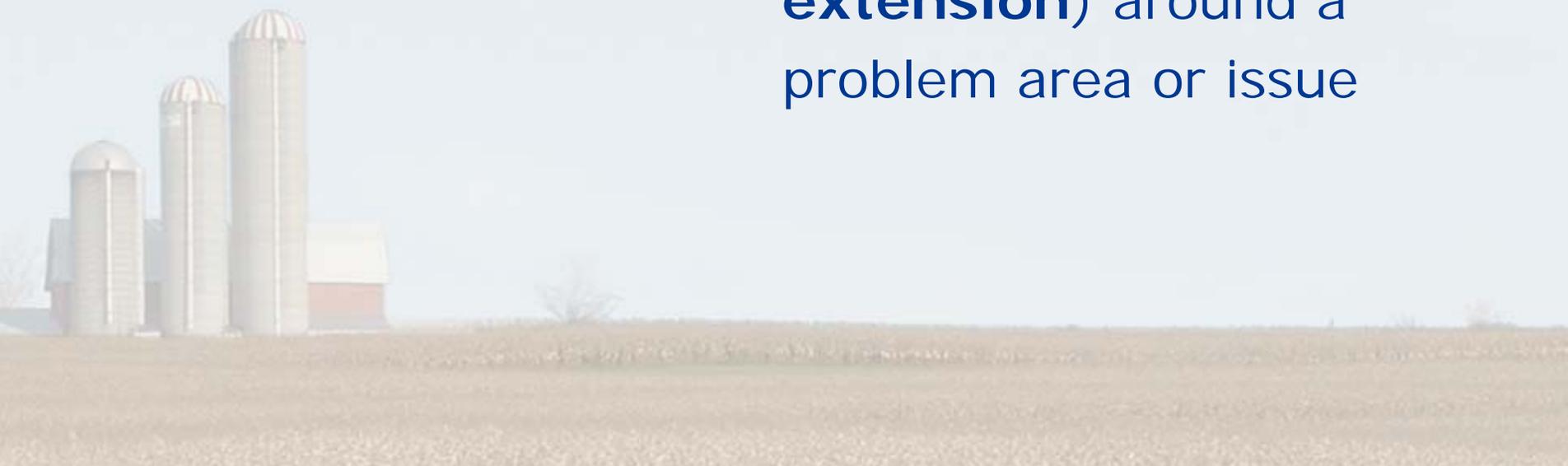
I n t e g r a t e d

Research

Education

Extension

To bring the three components of the agricultural knowledge system (**research, education, and extension**) around a problem area or issue



CSREES Integrated Programs

Section 406 Integrated, Research, Education, and Extension Program

- National Integrated Food Safety Initiative
- National Integrated Water Quality Program
- Integrated Pest Management Programs

CAR, RAMP, IPM Centers

- Methyl Bromide Transitions
- Integrated Organic Program



CSREES Integrated Programs

Pest Management Alternatives Program

National Research Initiative Integrated Programs

*– 17 program areas will
support integrated projects
in FY 2007*



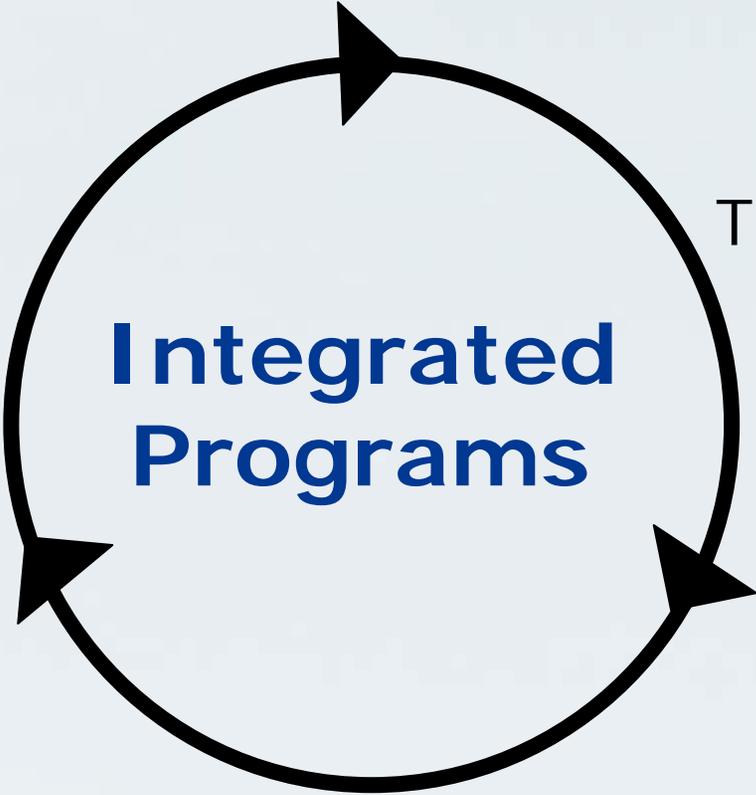
Knowledge Continuum for Research, Education, and Extension

Research

Creation of
knowledge

Education

Training the next
generation



**Integrated
Programs**

Extension

Dissemination of knowledge
for decision-making



Integrated Research, Education, and Extension



What does optimal integration look like?

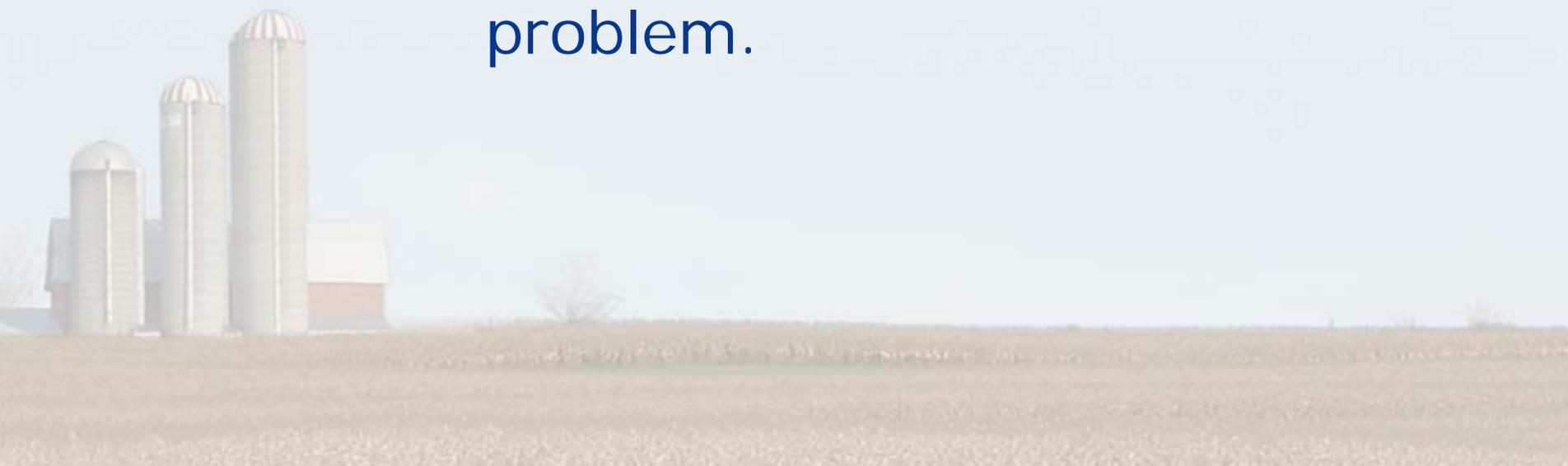
Research, education, and extension components complement one another and are truly necessary for the ultimate success of the project, i.e. solving the problem



What Does Optimal Integration Look Like?

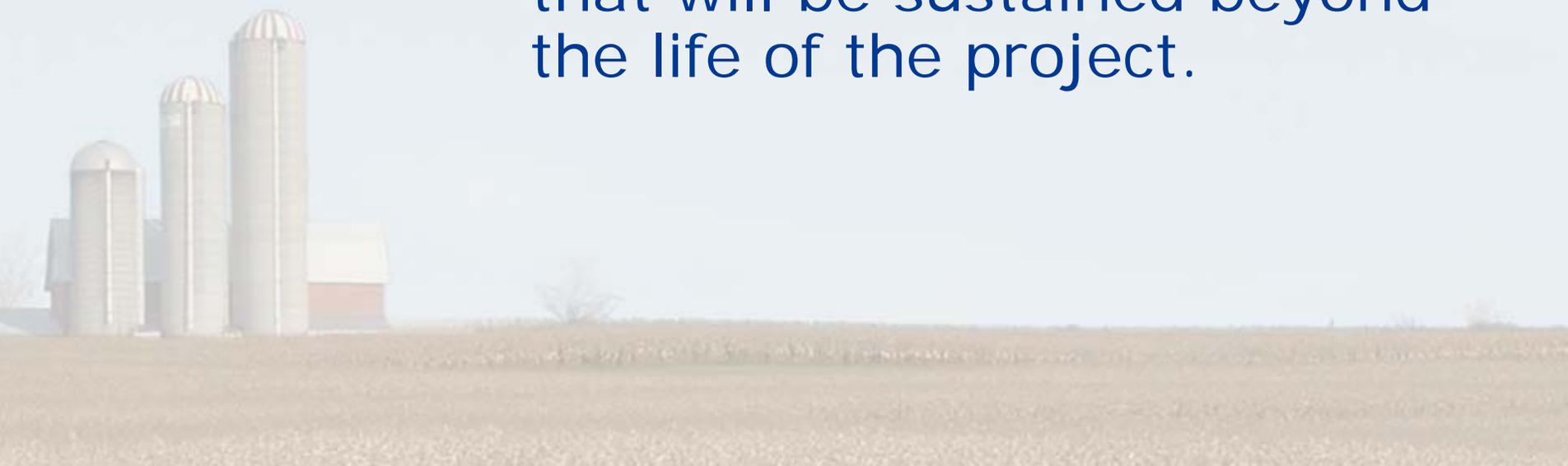
Proposed research:

should address knowledge gaps that are critical to the development of practices and programs to address the problem.



What Does Optimal Integration Look Like?

Proposed education (teaching and teaching-related):
should strengthen institutional capacities and result in curricula and related products that will be sustained beyond the life of the project.



What Does Optimal Integration Look Like?

Proposed extension:

should lead to measurable, documented changes in learning, actions, or conditions in an identified audience or stakeholder group.



Integrated Research, Education, and Extension

A field of sunflowers in bloom, with bright yellow petals and dark brown centers, set against a clear blue sky.

Integrated Project Characteristics

Stakeholder Driven

Problem Focused

Outcome Oriented



Integrated Project Characteristics

- Aim to resolve today's problems
- Address needs identified by stakeholders in the community
- Clearly identify anticipated outcomes and have a plan for evaluating success of the project
- Contain objectives for each component of the project (research, education, and/or extension)



Integrated Project Characteristics

- Budget sufficient resources to carry out the set of extension, research, and/or education activities that will lead to the desired outcomes
- Include individuals on the project team with significant expertise in each project component (research, education, and/or extension)



Integrated Research, Education, and Extension



Integrated Project Characteristics

Stakeholder Driven

Problem Focused

Outcome Oriented



Potential Outcomes/Impact

Short-Term

Learning

Awareness

Knowledge

Skills

Opinions

Aspirations

Medium

Action

Behavior

Practices

Decisions

Policies

Social Action

Long-Term

Conditions

Social

Economic

Civic

Environmental

Evaluation

Focus – Collect Data – Analyze and Interpret - Report

Outputs (Project Activities/Deliverables)

What are the project activities that will lead to the desired outcomes?

- Do they include research?
- Do they include extension?
- Do they include education?

For extension and education, the focus should be on learner centered objectives

Collaborative Team Approach



Build a team that represents the integrated approach

Build on existing partnerships while allowing new alliances to be formed



Collaborative Team Approach



Include collaborators that are trusted by and representative of the stakeholder community

Build an interdisciplinary team and clearly identify the roles and responsibilities of each team member



Stakeholder Driven



Substantial involvement by stakeholders will help to ensure true integration

Include stakeholders in identifying the issue, developing the project, and evaluating progress



Stakeholder Driven

Maintain regular and effective communication with stakeholders

Consider creating a stakeholder advisory committee



Problem Focused

A photograph showing a long, straight row of trees in a green field, receding into the distance under a clear sky.

Aim for high potential impact and significant public benefit

Address stakeholder needs

Match the issue to an appropriate funding opportunity within CSREES



Develop a Strategic Response

A close-up photograph of a ladybug with a red body and black spots, resting on a green leaf. The ladybug is positioned in the upper right corner of the slide, partially overlapping the blue header.

Research: What are the knowledge gaps?

Extension: How will you reach those who need the information?

Education: How will you train the next generation?



Project Management Plan

A photograph showing three people in a field. On the left, a man in a dark jacket is looking towards the center. In the middle, a man wearing a red baseball cap and a light blue shirt is looking towards the right. On the right, a young man in a grey and blue baseball jersey is looking towards the center. They appear to be in a conversation in an outdoor setting with tall grass.

Roles of team members are clearly stipulated: lead institution, etc.

Administrative and management strategies clearly articulated



Project Management Plan

A photograph showing three people in a field. On the left, a man in a dark jacket is looking towards the center. In the middle, a person wearing a red baseball cap and a light blue shirt is looking towards the right. On the right, a young man in a grey and blue baseball jersey is looking towards the center. They appear to be in a rural setting with tall grass in the background.

Transparency in budget issues

Realistic agenda and timeframe for delivery of products

Effective coordination and communication



Project Evaluation Plan

A photograph of three young men standing in a field of tall grass. The man on the left is partially visible, wearing a dark jacket. The man in the middle is wearing a red baseball cap and a light blue shirt, looking towards the man on the right. The man on the right is wearing a grey and blue shirt, looking back towards the man in the middle.

Suitable and feasible methods for evaluating success of the project

How will you determine whether this project is effective?

Who will be involved in the project evaluation?

At what intervals will evaluation take place?

A photograph of three large, cylindrical farm silos with conical roofs, situated in a field of golden-brown crops under a clear sky.

*Integrated Programs
Solve Today's
Problems*

