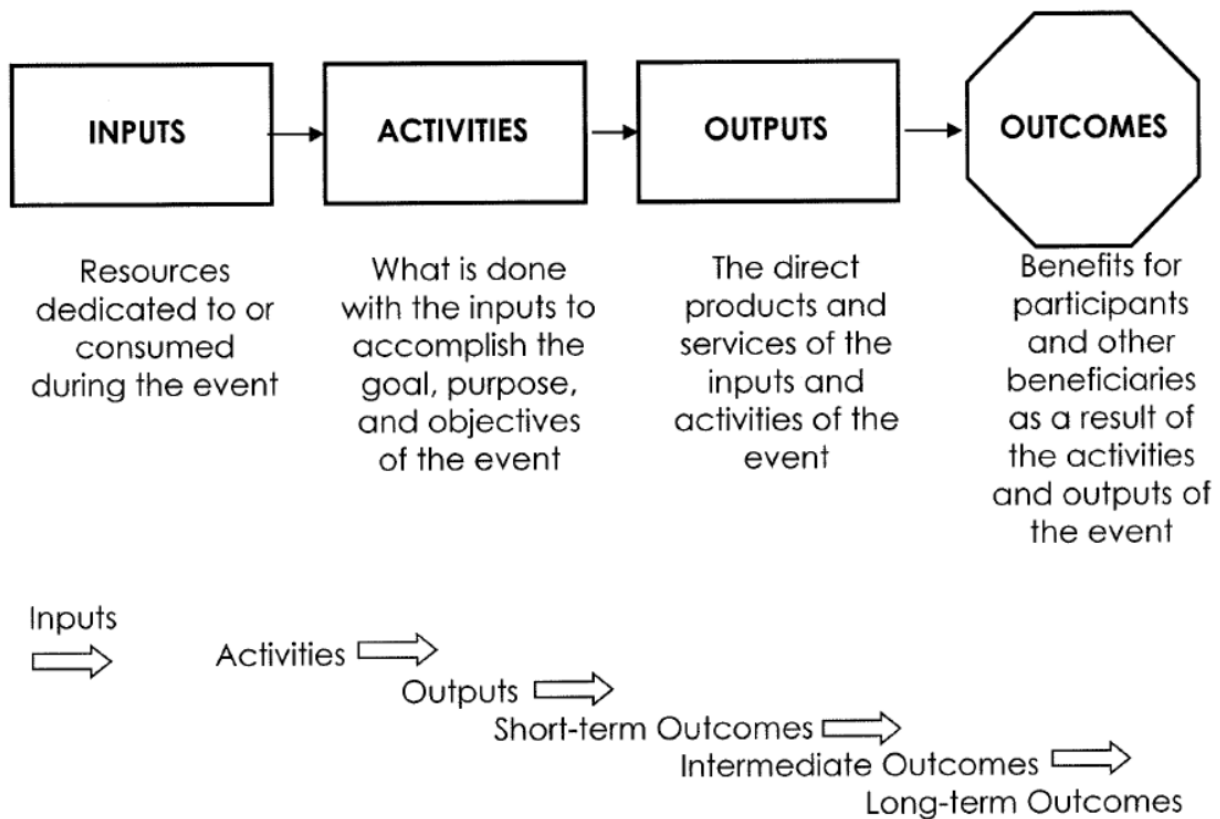


# The Broader Impacts in Research (BIR) organization Framework for Evaluating High-Quality Broader

**Impacts (BI):** Adopted and modified in 2014 for BIR from the Mid-Continent Comprehensive Center (MC3).

Note- Combining, specifying, and implementing who you are (identity) with what you do (teaching, research, and service) to build a beneficial legacy inside and outside of the institution is critical to accomplishing high-quality BI and overall faculty success. This is achieved by developing your Broader Impacts Identity and the development of a BI identity canvas. After BI identity is developed- outcomes, outputs, activities, and inputs can be better articulated and evaluated.



## ***What are Inputs?***

Inputs

- are the financial, human, and material resources dedicated to the activities and processes that comprise an event, and
- support the activities and processes that lead to outputs and outcomes

## Examples of inputs:

- Staff Members
- Collaborators
- Volunteers
- Expertise
- Supplies
- Facilities
- Products
- PowerPoint Presentations
- Needs Assessment Findings
- Technology
- Online Access
- Constraints
- Regulations
- Funding
- Partners
- Consultants
- Time
- Key Information
- Materials
- Documents
- Agendas
- Curricula
- Equipment
- Computers
- Website
- Laws
- Requirements

## ***What are Activities?***

### Activities

- are what is done with the inputs to meet goals and objectives in the work/ (BI) plan;
- include the actions, strategies, techniques, processes, interventions, and methods; and
- are described by indicating who did what using action words/verbs (if not completed use present tense) such as the following:
  - designed
  - delivered
  - sponsored
  - provided
  - examined
  - supported
  - implemented
  - developed
  - convened
  - hosted
  - assessed
  - reviewed
  - discussed
  - communicated
  - planned
  - conducted
  - facilitated
  - explored
  - assisted
  - informed
  - cooperated

- coordinated
- shared
- followed-up
- trained
- piloted
- oriented
- collaborated
- promoted
- mentored
- established
- tried out
- introduce
- presented
- participated
- coached
- created
- identified

Also include

- conference/symposium/forum/summit (a formalized event with presentations, concurrent sessions, panel discussions, and/or small group sessions):
- consultation (provision of expert advice, guidance, and/or information in a particular domain or area of expertise), either face-to-face or at-a-distance:
- facilitation (leading people through processes towards agreed-upon objectives in a manner that encourages participation, ownership, and creativity by all those involved; e.g. planning or problem solving);
- meeting (two or more people coming together to discuss a topic or issue), either face-to-face or at-a-distance;
- ongoing, sustained intervention (e.g., follow-up observation and feedback, coaching/mentoring);
- training (direct face-to-face instruction on pre-specified knowledge, skills, competencies, etc.):
- training: skill training workshop (less than a day to three days):
- training: institute/academy (four or more days):
- training: train-the-trainer: and
- other.

### ***What are Outputs?***

Outputs are

- the immediate results from the combination of inputs and activities/processes that comprise an event,
- the direct, tangible products that emerge from processing inputs through the completed activities that comprise an event, and
- the actual deliverables-goods and services-provided to individuals or organizations to generate the expected outcomes.

Outputs

- relate to the completion (rather than the conduct) of activities;
- quantify what was done, for how long, for whom, for how many people, etc.:
- are usually measured in terms of the volume of work accomplished or units of service provided (types, levels, and targets of services delivered), such as

- the number of individuals served,
- the number of (type of) sessions conducted,
- the intensity of services provided (duration and frequency),
- the (type of) product developed, or
- the distribution of a product or material;
- are expressed in terms of what the product or service is (nouns or noun phrases);
- answer the question, "How much of what service or product did we provide?" They do not answer the question, "What changed as a result of the service?" and
- lead to the expected outcomes.

### ***What are Outcomes?***

#### **Outcomes**

- are benefits or changes for individuals or groups that result from the activities and outputs of the event;
- may be at an individual or organizational level;
- address changes in awareness, knowledge, skills, attitudes, behavior, norms, decision-making, motivations, beliefs, values, capacities, linkages, or conditions of individuals, groups, organizations, systems, or communities;
  - answer the question, "What difference did the event make in the participants and other beneficiaries?";
  - are expressed as change statements (e.g., increased, decreased, or maintained, improved);
- are usually expressed in terms of
  - short-term outcomes, such as
    - awareness,
    - knowledge,
    - understanding,
    - attitudes,
    - skills, or
    - motivation;
  - intermediate-term outcomes, such as
    - action,
    - behaviors,
    - practices,
    - decisions,
    - policies, or
    - important milestones on the way to achieving long-term (end) outcomes; or

- long-term outcomes, such as
  - impact,
  - consequences,
  - conditions,
  - status,
  - sustainable improvements, or
  - address the capacity-building goals in the work plan.