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| --- | --- | --- | --- | --- |
| **Inputs** |  | **Outputs** |  | **Outcomes -- Impact** |
|  | *Activities* | *Participation* |  | *Short* | *Medium* | *Long* |
| **Institutional Capacity and Infrastructure**:NCDC231 – Collaborative for Research on Food, Energy, & WaterIANR Science Literacy Initiative (UNL)NE Collaborative for Food, Energy, & Water EducationDiscipline-Based Education Research (DBER) Engaged and Mobilized Faculty**Institutional Resources:**Key Personnel In-Kind ContributionsExternal Funding |  | **Capacity-Building:**Annual meetingsTwo-day invited conference involving 40-50 participants.**Objectives:**Investigate and develop knowledge of how individuals reason and learn in the context of the FEW-NexusInvestigate and develop knowledge of how individuals’ reasoning and learning be supported through instruction, curriculum, and other elements of educational programming in the context of the FEW-NexusInvestigate and develop knowledge of empirical methods, instruments, and designs that optimize research on FEW-Nexus educational outcomes and approachesInvestigate and develop knowledge of how empirical findings help elaborate the FEW-Nexus as a framework for teaching and learning | **Participants include:**Faculty from institutions of higher education with interests in food, energy, and water education programs. Disciplinary homes for these individuals include:* Agriculture education and communication
* STEM education
* Natural resources
* Discipline-based education researchers

FEW-Nexus education and outreach practitioners (K-12 teachers, postsecondary instructors, Extension Educators, etc.)Stakeholders |  | Results of empirical research on FEW-Nexus education and outreach efforts spanning committee objectivesConcrete mission statement and set of objectives reflecting priorities of the NC-FEW communityReplicable model of intra-institutional FEW-Nexus team-building strategyDissemination and recruitment plan (identification of and plan of action for engaging with professional communities spanning FEW-Nexus education research interests) | Enhanced capacity for institutional efforts to develop and implement FEW-Nexus educational programming and education researchEnhanced effectiveness of FEW-Nexus education and outreach effortsProposals for external funding in service of long-term sustainability and increased impact of NC-FEW | Increased science literacy and FEW-Nexus reasoning among students, citizens, and members of the FANH workforce |

Figure 1: Project Logic Model