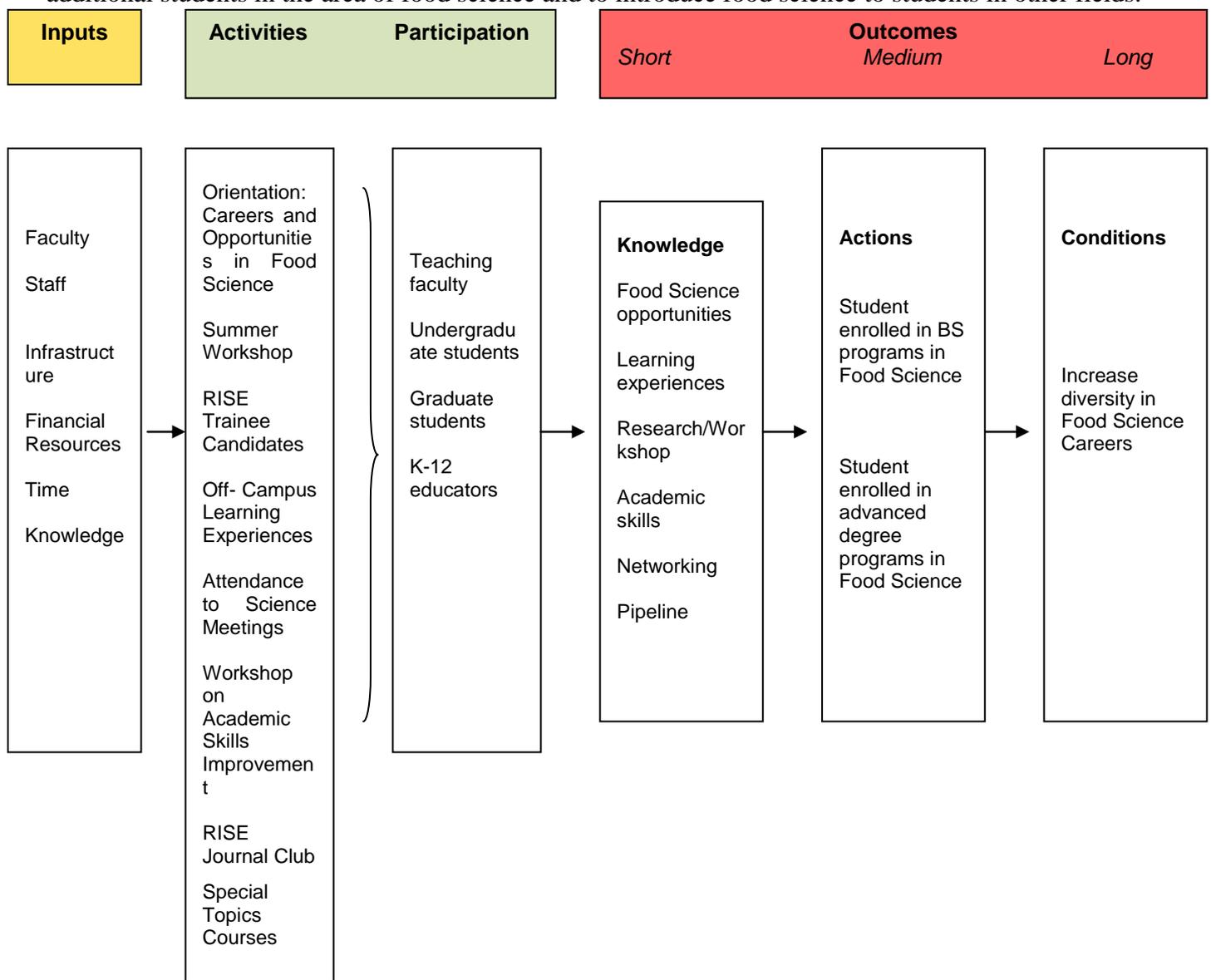


		# of experiential learning opportunities introduced at school by K-12 teachers # of students contacted by lectures and/or laboratories
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**(6) Logic Model**

**Proposal: *RISE: Pathways to Diversity in Food Science Careers***

**Situation:** Declining enrollments in food science undergraduate programs translates into an intense competition among food companies for highly qualified individuals with B.S. degrees in food science. As a result, well-qualified undergraduate students are often offered multiple summer internship opportunities in industry that pay competitive stipends and that often lead to lucrative job offers in industry. Consequently, relatively few U.S. food science undergraduate students pursue advanced (M.S. and particularly Ph.D.) degrees in foods science. Hence, there is a clear need to recruit and retain additional students in the area of food science and to introduce food science to students in other fields.



**Outputs**

Participants reached  
Students enrolled in advanced degrees in Food Science  
Web page

**Assumptions**

Students and K-12 teachers will participate in the orientations and workshop  
Teachers will implement lectures/lab in their classes  
Experience learning key elements will influence student retention and future careers pathways in Food Science

**External Factors**

Weather conditions: hurricanes, water supply  
Response of students and K-12 educators to participate in the workshops and learning experiences  
Re-schedule of activities due to students/faculty cancelations  
Limitation on available spaces for Off-Campus Learning Experiences

**(7) Dissemination Plans**

The following media available at UPRM will be used for communicating the goals and accomplishments of this project: 1) the web page of UPRM ([www.uprm.edu](http://www.uprm.edu)) with a link to a web page to be created for this project, 2) the weekly TV program of UPRM transmitted through a commercial channel, and 3) UPR radio station transmitting throughout Puerto Rico with a weekly broadcast from Mayaguez. The media will be invited to cover our major events and activities that will represent positive news regarding education. Students presenting any research performed during off-campus experiences will give credit to the sponsorship of the USDA NIFA HSI Education Grant.

**(C) Institutional Capability and Capacity Building**

**(1) Institutional Commitment and Capability**

Providing for the participation of K-12 teachers and students in the activities proposed addresses one of the statements in UPRM's mission, "To share knowledge so that it becomes accessible to all". The possibility of collaboration between the Food Science and Technology Program and the Teacher Preparation Program at UPRM is an excellent opportunity to conduct outreach activities.