# Integrated system to produce updated-estimates of the cost of adaptation to climate change in agriculture

**Project Title:** P787 - Livestock and fish production, consumption of animal-sourced foods, and climate change to 2050

**Description of the innovation:** Decision-makers are increasingly concerned about the impacts of climate change on agriculture and the need to invest in adaptation. Estimates of adaptation costs exist but are now dated. This innovation created and used an integrated system of updated climate, water, crop and economic models to assess new estimates of the costs of key agricultural investment to support adaptation. Results shared with the Gates foundation and the Global Commission on Adaptation through a publication.

**New Innovation:** Yes

**Stage of innovation:** Stage 3: available/ ready for uptake (AV)

**Innovation type:** Research and Communication Methodologies and Tools

**Geographic Scope:** Global

**Number of individual improved lines/varieties:** <Not Applicable>

**Description of Stage reached:** The innovation (the new models and their outputs) were used to share updated adaptation estimates with the Gates Foundation and Global Commission on Adaptation for their use in planning funding for agricultural research and development.

**Name of lead organization/entity to take innovation to this stage:** IFPRI - International Food Policy Research Institute

**Names of top five contributing organizations/entities to this stage:** <Not Defined>

**Milestones:** No milestones associated

**Sub-IDOs:**
- 43 - Enhanced institutional capacity of partner research organizations

**Contributing Centers/PPA partners:**
- IFPRI - International Food Policy Research Institute

**Evidence link:** [https://www.dropbox.com/sh/jrwf5gx0t2ixe88/AABkgsw82pKBhbXuCvnvNfiTa?dl=0](https://www.dropbox.com/sh/jrwf5gx0t2ixe88/AABkgsw82pKBhbXuCvnvNfiTa?dl=0)

**Deliverables associated:**
- D16989 - Costs of climate change adaptation for the agriculture sector ([https://tinyurl.com/ycxnxuf4](https://tinyurl.com/ycxnxuf4))

**Contributing CRPs/Platforms:**
- PIM - Policies, Institutions, and Markets

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