



# Agriculture, Forestry, and Fishing Program

NIOSH Office of Agricultural Safety and Health

March 21, 2013

# NIOSH Office of Agriculture Safety and Health (OASH)

## NIOSH Agriculture, Forestry, and Fishing (AgFF) Program

- Intramural research
- Extramural research
- Goals
- Priorities
- Budget
- Report progress
  - Outputs
  - Outcomes
  - Evaluation

## National Occupational Research Agenda (NORA)

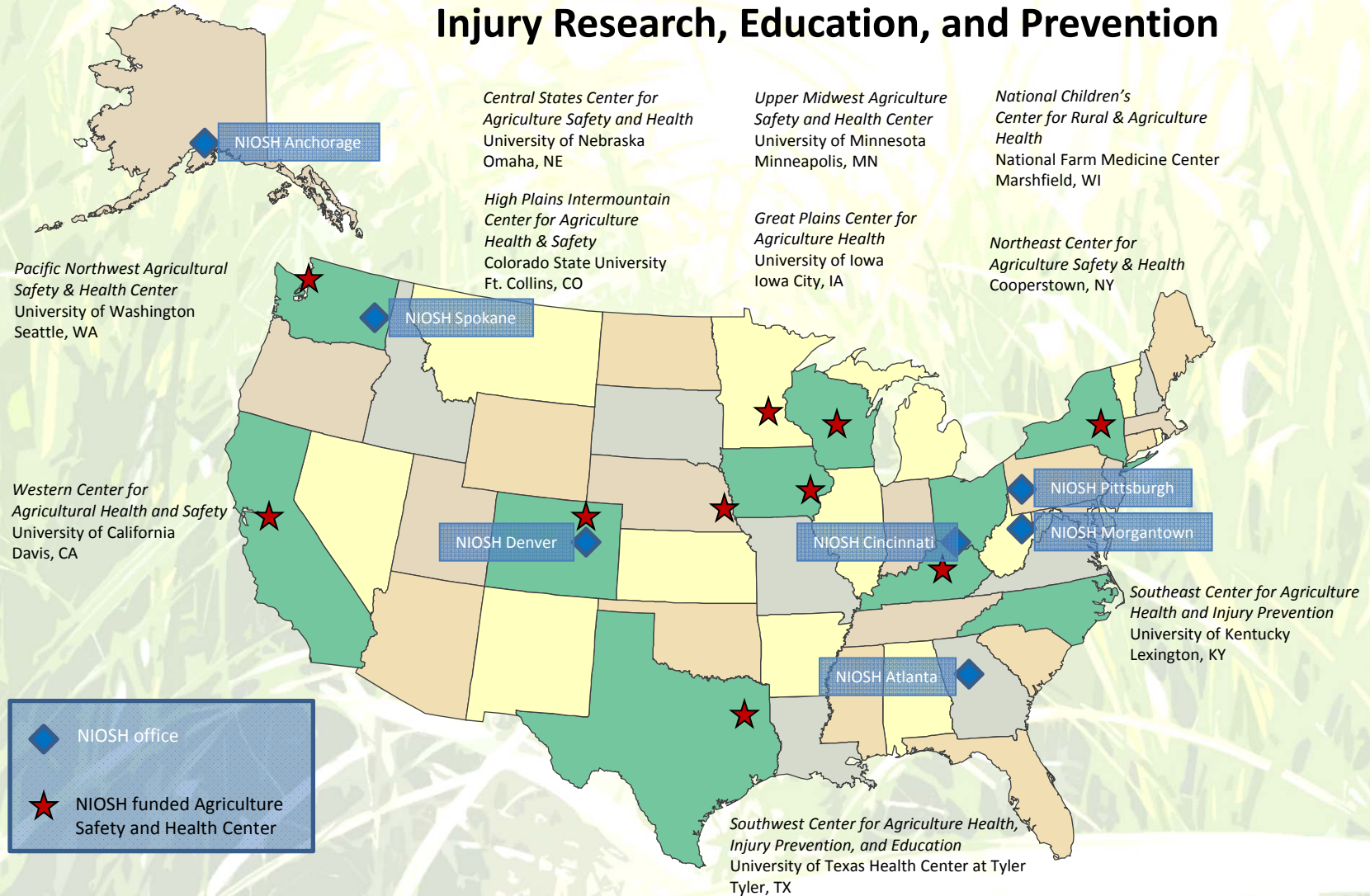
- Sector Council
  - Working Groups
- Strategic plan
  - National goals
- National research
- Partners



# Extramural Research

- Centers for Agricultural Disease and Injury Research, Education, and Prevention (“Ag Centers”)
- Grants

# NIOSH Offices and Funded Centers for Agricultural Disease and Injury Research, Education, and Prevention



# Recent Accomplishments: AgFF Goals

- **Surveillance**

- **Goal 1.1.1:** Develop a data collection system from casualty investigations within the commercial fishing industry.
- **Goal 1.1.8:** Working with the USCG, expand the NIOSH Commercial Fishing Injury Database (CFID) to other regions of the U.S.
- **Goal 1.2.1:** Apply the NIOSH methodology to estimate the size and makeup of the commercial fishing workforce population by federally regulated fishery.



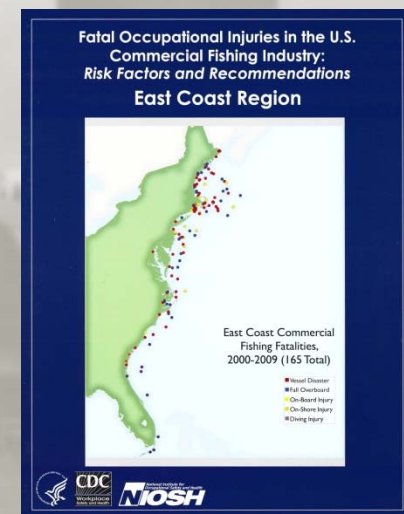
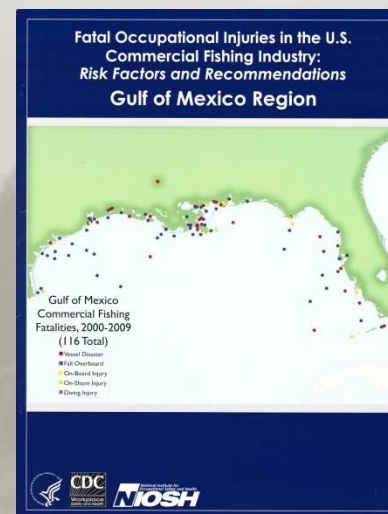
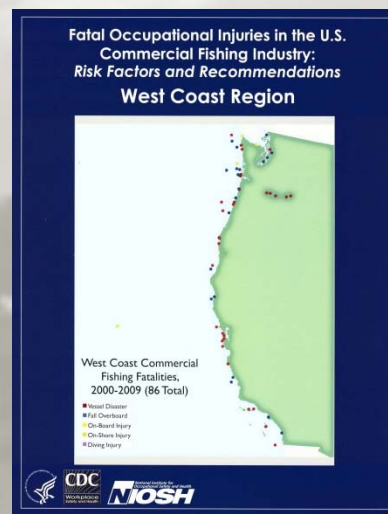
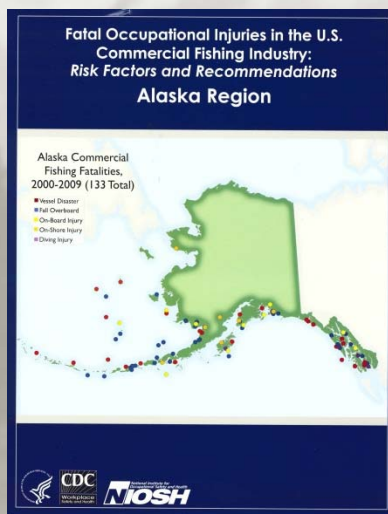
# Recent Accomplishments: AgFF Goals

- **Outreach, Communications, and Partnerships**
  - **Goal 3.1.3:** Convene a biennial national conference on AgFF safety and health resources, interventions, program needs, and training issues.
- **Agriculture Safety**
  - **Goal 4.1.2:** Conduct outreach to increase use of seatbelts and ROPS.
- **Forestry**
  - **Goal 6.4.2:** Establish a working group for future occupational safety and health research in the forestry sub-sector.
  - **Goal 7.2.8:** Review glazing materials for performance and specifications as a means to protect machine operators from hazards.
    - Work resulted in recent ISO standards for glazing in forest machines for protection from thrown objects (*ISO 11839:2010 Machinery for forestry*).

# Recent Accomplishments: AgFF Goals

- **Fishing**

- **Goal 8.1.1:** Identify the fishery specific hazards across the country for vessel sinking and subsequent fatalities. Apply risk management techniques.
- **Goal 8.1.4:** Evaluate the effects that fisheries management practices have on safety in six different fisheries in the United States.

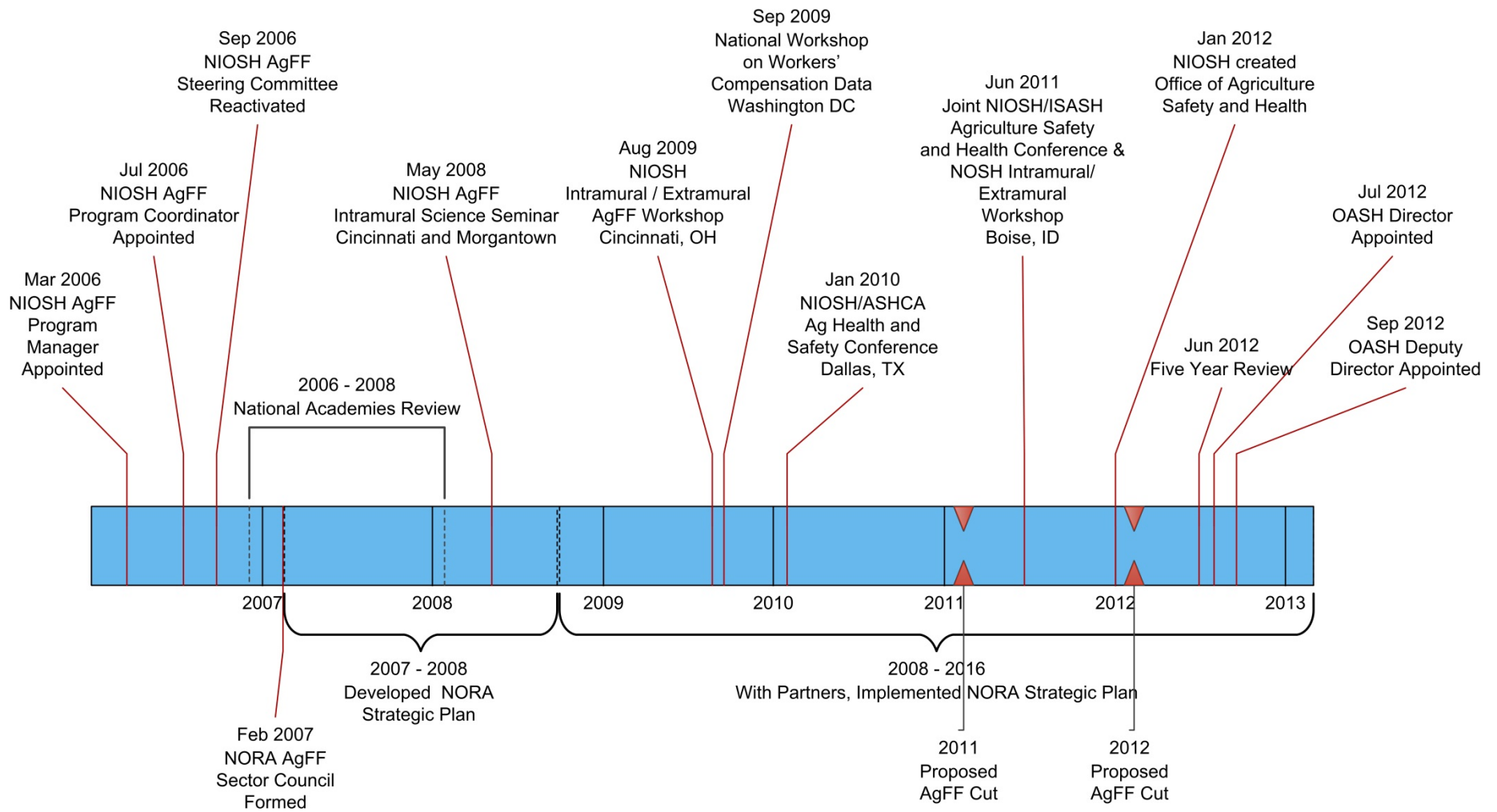


# Recent Accomplishments: AgFF Goals

- **Fishing**

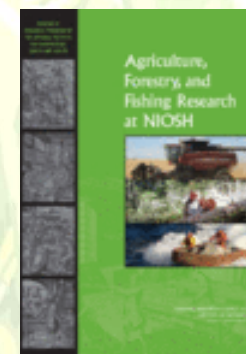
- ***Goal 8.1.5:*** Develop a Top 10 list of fisheries management practices that contribute to unsafe practices in the commercial fishing industry.
- ***Goal 8.2.1:*** Develop and evaluate best practices for preventing fatalities due to falls overboard.
- ***Goal 8.4.2:*** Form a National Fisheries Management and Safety Coordination Committee.





# Program Reviews

- *National Research Council and Institute of Medicine of the National Academies, 2007*
  - Scores
    - Relevance 4 out of 5
    - Impact 3 out of 5
- *Independent Panel, Five-Year Review, 2012*
  - 2007 through 2011
  - Scores
    - Relevance 5 out of 5
    - Impact 4 out of 5



# Five Year Review Recommendations

- Surveillance
- Populations at risk – vulnerable workers
- Emerging practices
  - Livestock
  - New exposures: antibiotics, chemicals, zoonotic infections
  - Climate Change
- Forestry
- Fishing



# Five Year Review Recommendations

- **Surveillance**

- Prioritize surveillance
- Examine current definitions of vulnerable worker populations
- Assess limitations of current USDA surveillance
- Assess other existing surveillance sources

# Five Year Review Recommendations

- **Populations at risk – vulnerable workers**
  - Further develop definitions of populations at risk
  - Develop definitions:
    - by AgFF commodity specialization
    - by demographic factors
    - by work organization pattern
    - that differentiate between worksite tasks
  - Aging workforce
  - Emerging technologies



# Five Year Review Recommendations

- **Emerging practices**
  - Changing dynamics in livestock and poultry industries
  - New exposures: antibiotics, chemicals, zoonotic infections
  - Zoonotic infection
  - Climate Change



# Five Year Review Recommendations

- **Forestry**
  - Expand forestry worker surveillance
  - Focus on forest labor contractors
  - Seek out partners in forestry

# Five Year Review Recommendations

- **Fishing**
  - “Exert continued leadership”
  - Use surveillance to identify worksite targets for research and intervention
  - Research replacing traditional lines with stronger synthetic lines
  - Musculoskeletal injuries
  - Confined space
  - Study work/task duration



# OASH Priorities

- Intramural and Extramural
- Consider
  - NIOSH Mission
  - Capabilities
  - Interests
  - Past history
  - Partners
  - Regional vs. National



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