Safety Culture and Risk Management in Agriculture (SACURIMA)
COST ACTION CA16123

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Background

• Agriculture has high rates of work-related injuries, illnesses, disabilities and deaths
• Great differences in reported national injury and illness rates, preventive programs and financial support for prevention
• Only few successful interventions have been found in systematic reviews.
• This EU COST Action focuses on gaining a better understanding of safety culture and risk management as a preventive strategy in agriculture
Death on the Farm, a Nightmare

2013: Manure gases Victims are the 26-year old son of the owner of the farm and two workers of a specialized firm cleaning the manure silo aged 29 and 42 (H₂S)

Foto: ANP
Nature of 178 Fatal Farm Accidents NL 2006-2016

- Vallend voorwerp: 19
- Dieren: 20
- Machine: 20
- Mestgassen: 7
- Onbekend: 1
- Overige: 17
- Rijdende machine: 72
- Vallen: 22
- Vallend voorwerp: 19
Safety Culture - Definitions

• Attitudes, beliefs, perceptions and values that employees share in relation to safety in the workplace.

• Part of organizational structure described as "the way we do things around here”.
  • Every organization has a safety culture – some a better than others.

• Developed for large work organizations.
  • With modifications it can be useful in small agricultural operations as well.
Managing safety in larger organizations

- Management commitment
- Accountability
- Safety organization, staff
- Information systems
- Communication
- Work design, engineering
- Hazard analysis, risk assessment
- Management of change
- Ergonomics, human factors
- Purchasing standards
- Preventive maintenance
- Safety committees

- Supervisory participation
- Training, orientation
- Employee involvement
- Occup. health hazards
- Environmental controls
- Safe practice standards
- Inspection programs
- Incident investigations
- Performance measurement
- Medical, first aid facilities
- Emergency, disaster planning
- Regulatory compliance
Safety Campaign

- Safety journal
- Safetycheck (+ app)
- Accident Investigations
- Awareness Raising
- Story telling
- Battle of concepts
- Keep informed
- Involvement of all stakeholders
- Evaluation
SACURIMA - Overview

Link: http://www.cost.eu/COST_Actions/ca/CA16123

As of June 2018:
• 30 Countries
• 52 Members
• 27 Substitute members
• 2 (+5) Observers
Structure and Management

MANAGEMENT COMMITTEE (MC)
Action chair
Vice chair

GRANT HOLDER (GH)
Manager/administrator, Scientific, Legal and Financial representatives

COST Association

WG 1
WG 2
WG 3
STSMs
ITC grants
Training schools

WG 4
WG 5
MC meeting III in Dublin, Ireland, March 14-16, 2018
Working group meetings
SACURIM A Objectives

• WG1 - identify and evaluate agricultural health and safety programmes and approaches on the national level;
• WG2 - identify knowledge, attitudes, behaviours and priorities among farmers regarding safety, health and risk management;
• WG3 - identify effective models for training and integrating vulnerable populations (including refugees and young workers) into the agricultural workforce;
• WG4 - develop means and indicators for monitoring progress and evaluating impact of interventions on injuries and illnesses in agriculture; and
• WG5 - disseminate results to stakeholders and the agricultural community.
Key contributions

• **WG1**: inventory of national approaches to improve agricultural safety and health.

• **WG 2**: tools to measure safety culture; Safety Culture Index for benchmarking national performance.

• **WG 3**: measures to train and integrate vulnerable populations, including refugees, in the agricultural workforce.

• **WG 4**: assessment of existing data collection systems; improving safety and health indicators for agriculture.

• **WG 5**: dissemination to primary target audiences.
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| 1  | Identify and evaluate health and safety programmes and approaches on the national level | 1) Literature review  
2) Survey of national policies, programmes  
3) Reports on literature and survey  
4) Develop recommendations | 1) Literature review done  
2) Survey completed  
3) Reports submitted  
4) Recommendations prepared. | 1) Manuscript to peer-reviewed publication  
2) Report to MC on national policies, programmes and approaches |
| 2  | Identify knowledge, attitudes, behaviours and priorities among farmers regarding safety, health and risk management | 1) Literature review of research findings  
2) Surveys of safety culture on farms  
3) Reports on literature and survey findings  
4) Develop recommendations | 1) Literature review done  
2) Survey completed  
3) Reports submitted  
4) Recommendations prepared. | 1) Manuscript to peer-reviewed publication  
2) Report to MC on knowledge, attitudes, behaviours and priorities on farms |
| 3  | Identify effective models for training and integrating vulnerable populations, including refugees and young | 1) Literature review of research findings  
2) Surveys of vulnerable workers on farms  
3) Report on literature and survey  
4) Develop recommendations | 1) Literature review done  
2) Survey completed  
3) Reports submitted  
4) Recommendations prepared. | 1) Manuscript to peer-reviewed publication  
2) Report to MC on vulnerable populations on farms |
| 4  | Develop means and indicators for monitoring progress and evaluating impact of interventions in agriculture. | 1) Identify available information sources.  
2) Evaluate the accuracy and utility of information sources.  
3) Develop recommendations | 1) Sources identified.  
2) Evaluation of sources completed  
3) Recommendations prepared. | 1) Manuscript to peer-reviewed publication  
2) Report to MC on injury and illness data |
| 5  | Disseminate results to stakeholders and the agricultural community | 1) Develop communications plan  
2) Work with AC and WGs to implement coordinated dissemination to primary audiences | 1) Communication plan completed  
2) Continuing, annual and final information products submitted | 1) Continuing dissemination through social media  
2) Annual information products in each country  
3) Final publication of peer-reviewed articles |
SACURIMA long-term goal: Reduce injuries and illness in agriculture
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