

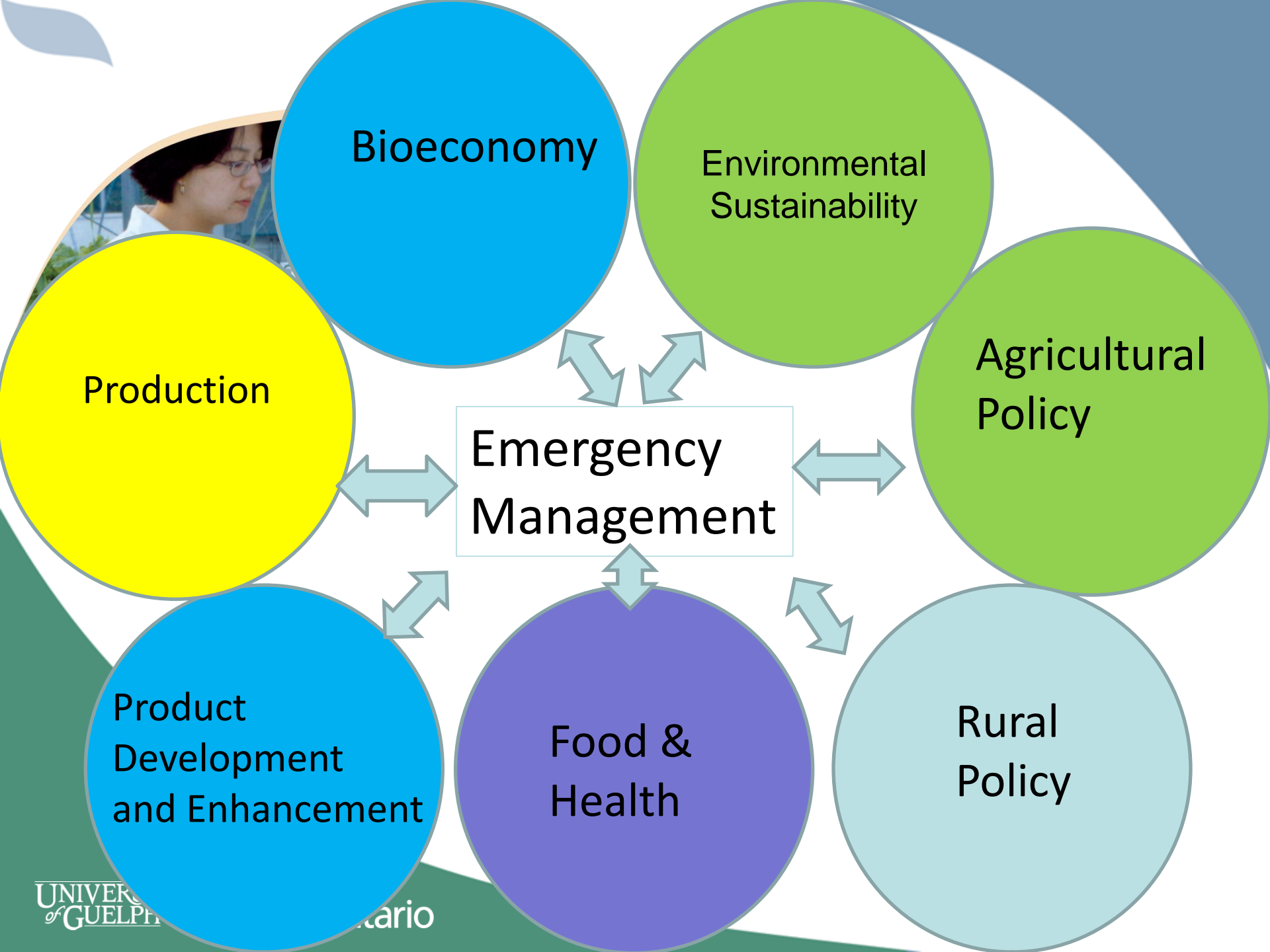


2008-2018

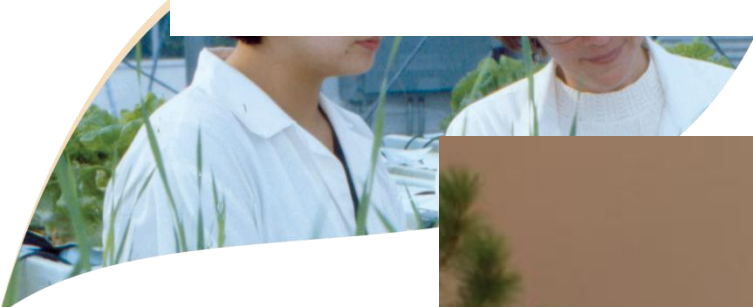
OMAFRA - U of G Partnership

Emergency Management

Research Theme



What is coming over the hill?



Emergency Management Theme NEW - Primary Objective:

“The ultimate goal of this theme is to direct and maximize research activities and financial and human resources to support a proactive, coordinated and comprehensive approach to managing agri-food emergencies in Ontario to lessen their likelihood, frequency or impact.”

Spend a Penny Today and Save a Dollar Tomorrow



Emergency Management Research Program Theme

Operating Dollars: **\$2,500,000 over 5 years**

OMAFRA Director Champion – Jim Richardson

OMAFRA Research Analyst – Kelley Knight

OMAFRA Secretariat – Robyn Meerveld

UG Research Program Director – David Kelton

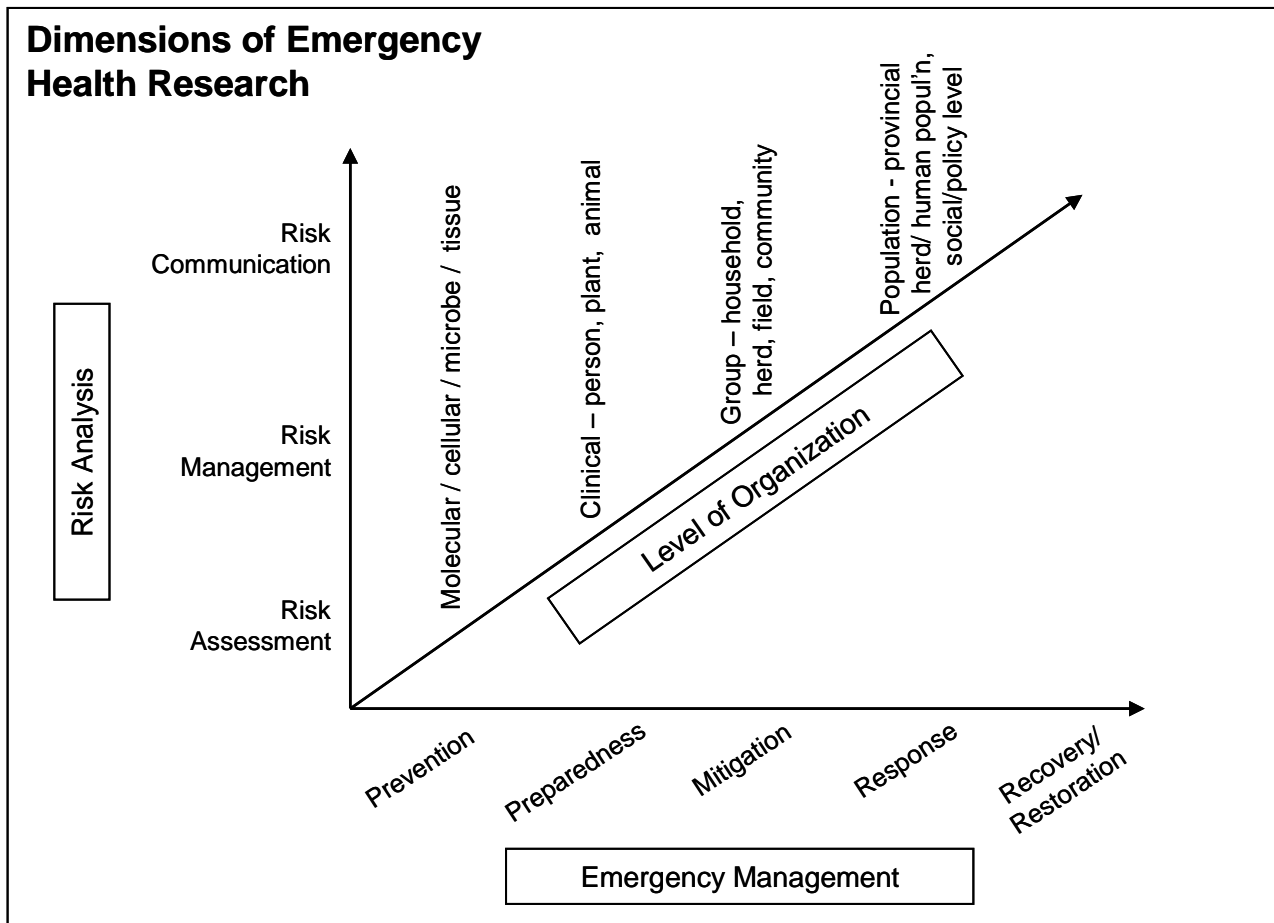
UG Secretariat – Liz Synder

UG Manager – Agreement – Christine Taub

UG Director - Research Facilities Management – Ken Hough

Emergency Management Theme Description:

Plants
Animals
Food
Humans



Only can be achieved through a multi-disciplined approach

Threat Identification

Pathologist

Epidemiologist

Routes of Dissemination

Microbiologist

Economist

Impact of Threat

Engineer

Vet

Prevention/Mitigation

Agronomist

Risk analyst

Surveillance

Chemist

Computer scientist

Emergency Response

Stakeholders

Government

Recovery

Industry

Example: Wheat Stem Rot

- **Routes of dissemination**
- **Potential economic impact on Agriculture**
- **Risk analysis: How likely to occur**
 - Should it be a priority?
- **Methods to prevent: Cultivar selection**
- **Methods to detect: Diagnostics (on-site)**
- **Surveillance and early warning system**
- **Database and response planning**
- **Approaches to prevent spread and aid recovery (control)**

Integrated Approach is Key

- **Animal and Poultry Science**
- **Environmental Biology**
- **Plant Agriculture**
- **Land Resource Science**
- **FARE**
- **Environmental Science**
- **Food Science**
- **SEDRED**
- **Chemistry**
- **Computing and Information Science**
- **Population medicine**
- **Biomedical Sciences**
- **Clinical Studies**
- **Pathobiology**
- **Integrative biology**
- **Molecular and cellular biology**
- **Human Health and Nutrition**
- **Regional Campuses**
- **Laboratory Services Division**

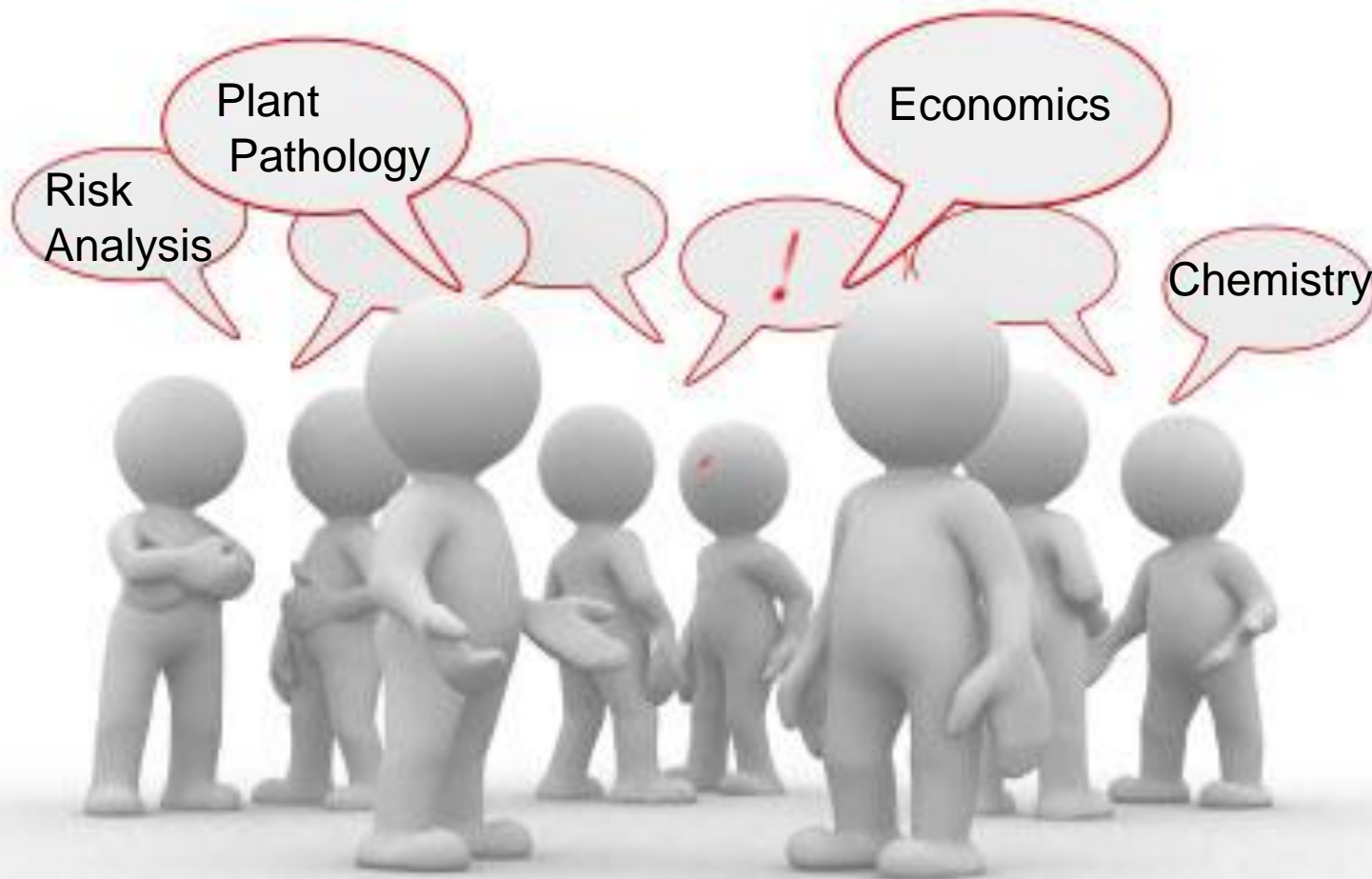
Emergency Management:

- Zoonoses
- Public Health
- Foreign Animal Disease
- Food Safety – OMAFRA Directed Program
- Plant & Animal Disease Epidemiology
- Surveillance & Traceability
- Risk Management

One Health
One Health

Breadth!
Activity!
Profile!

Everyone Speaks a Different Language



Overcoming barriers to multi-disciplined projects

Aims of the Day

- **Networking: Establish connections and identify routes to form partnerships**
- **Novel approaches to prevent or respond to emergencies**
- **Scope of the Emergency Management Program**
- **Encourage researchers to apply for funding**

Emergency Management Research Priorities:

Updated Priorities and Emerging Issues 2010: Consolidated

OMAFRA Theme Advisory Group



Ontario Ministry of
Agriculture
Food & Rural Affairs



September 2010

http://www.uoguelph.ca/research/omafra/themes_priorities/OMAFRA-UofG_Themes_and_Priorities_2008-2012.pdf

Emergency Management Research Priorities:

- 1. Threat identification and Prioritization**
 - threats to plants, animals, food and humans
- 2. Detection and Surveillance**
 - test development & validation, surveillance, modeling
- 3. Pathway Analysis**
 - understanding pathways of introduction and spread
- 4. Prevention and Control of Disease**
 - biosecurity, food safety risk management, systematic review
- 5. Benefit/Cost Analysis**
 - w.r.t. emergency management initiatives and policies

Progress to Date:

Emergency Management Research Theme

- **Spring 2009: First Call for Proposals**
 - 15 Proposals received:
 - 8 Enabling Grant Proposals
 - 7 Full Grant Proposals
 - 11 proposals were funded
 - \$380,000
- **Fall 2009: Second Call for Proposals**
 - 14 Letters of Intent received:
 - 9 Full Grant Proposals
 - 8 proposals approved for funding
 - \$720,000
- **Fall 2010: Third Call for Proposals**
 - 19 Letters of Intent received:
 - 14 Full Grant Proposals
 - 12 proposals approved for funding
 - \$580,000
- **A total of 31 proposals funded with a value of \$1.7 M**
- **5% Contingency fund for emerging issues**

Projects

- **Individual**
- **Teams**
- **No official budget limit**
- **Research that can be directly applied to bring benefits to Ontario**

Related Funding & Partnering Opportunities:

- Food Safety Research Program
 - Kelley Knight – Food Safety Research Analyst OMAFRA
- Animal Health Strategic Investment
 - Dr. Grant Maxie – Director, Animal Health Laboratory
- Agricultural Biosecurity Program
 - Administered by the Agricultural Adaptation Council

Questions ???

