Collaborations between Academia and Industry
An Industry Perspective

OMAFRA–UofG Emergency Management Research Expo

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Hatchery Sector, Sept. 2011
Problem: IBH in ON broiler flocks

- **2009**: The incidence of IBH outbreaks in broiler flocks in Ontario seems to be **increasing** in the last few years (based on submissions to AHL)

- These outbreaks have resulted in serious **economic losses** to the industry.

- The control and prevention of IBH in broiler flocks requires a **joint effort** by all segments of the chicken industry.
Representatives from:
- OHA, OBCHERA, CFO, OAPP, OMAFRA
- 6 main broiler hatcheries, primary broiler breeder cie (Aviagen)
- AHL*bridge between industry & academia. AHL in constant interaction with industry and academia
  - Surveillance all BB in province using new microneutralization test
  - ID negative flocks to target for vaccination
  - Import autogenous vaccine for ON

Academia: epidemiology study
- Scientific rigor: literature review, confirm proper data to be gathered, in right format
- Analyze data gathered
- Research funds
  - understanding of modes of transmission, factors involved in increased IBH incidence, differences seen between hatcheries
  - Communication of results through publications and presentations
Successes & Lessons learned

- **Joint effort** with IBH working group
- **Applicable Results** obtained:
  - Serological status of BB flocks with MNT test
  - Ontario IBH vaccine bank established
  - Ability to target vaccinate naïve flocks only
  - IBH incidence in ON broiler flocks has decreased significantly since Aug 2010

- **Industry Vs. Academia timetables:**
  1. Surveillance project: 2009–2010
  2. Vaccination project: Aug. 2010 start
  3. Epidemiology project: 2011–2014 (possibility of simple descriptive analysis done before full PhD project for industry use?)
How Academia meets Industry

- At various industry meetings
- Via publications distributed to industry
- Through AHL
- By staying in touch with practical aspect or field applications of research