

B-F-C Bird Flu Control



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AND ANIMAL DISEASE CONTROL

Avian Influenza Conference

Protecting Avian Influenza Responders

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International panel

Harm Kiezebrink
CEO BFC Bird Flu Control

B-F-C Bird Flu Control Philosophy :



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- **Focus on processes, rather than only on culling & disposal techniques alone**

- **Critical factors:**
 - **Human safety first**
 - **Well-prepared organization**
 - **Well prepared logistics**
 - **Using the right technique**

Large scale culling, Western style



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What I learned? Don't make it too Complicated!



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Make it simple: culling bag system



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- Combination of culling & disposal
- Perfect for preparation
- Dry ice, or bottled gas
- One time use only
- Fits in the back of a truck
- Fool proof!



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Go for it!











Outbreak response



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- **Prepare for the obvious: outbreak response in the field**
- **Site control and zoning within the depopulation area: reduce the staff to the absolute minimum needed for the operation and protect them well**
- **Use the right set of (heavy duty) PPE for the job**
- **Don't ignore the fact that people find it difficult to use PPE**
- **Give the right impression of yourselves in the field**

Training on the job?



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- **Workers don't speak Latin**
- **You can't train workers to be a 'marine' without enforcement**
- **You are not their boss, only their employer for the day**
- **Still, the workers are your key to success**

Limited time for proper training of unskilled field workers



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- **The only realistic option to prevent a large scale outbreak is: Bring it under control within 48 hours**
- **Normal field preparation takes approx. 576 days**
- **When the crises is there, you have 576 x 5 minutes to get the outbreak under control**
- **So what you prepared for in one day has to work within 5 minutes**
- **Start working on what might possibly go wrong and not only on the correct procedures**
- **What is your plan B?**

Examples

- **Problem:** people don't wear their PPE properly
- **Action:** create a red, orange and green zone and put somebody at the gate, responsible for the proper use of the proper PPE
- **Problem:** after a short time, the face mask is wet and full of dust
- **Action:** introduce a break, every 30 minutes for coffee, toilet use and change of face mask



Summary:



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- **Assume that nobody knows the rules or knows what they are doing because 90% of the people will hardly be skilled or trained**
- **Create simple but effective solutions for depopulation operations**
- **Put control in the field on all critical issues, like**
 - **Enforce movement control on poultry and poultry products**
 - **Human safety (PPE and hygiene)**
 - **Risk zoning within the depopulation area**
- **What's your plan B?**

Who is doing the job? You!



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- **Bird flu is different from other diseases**
- **It involves 90% non- veterinary staff and personnel**
- **All have to follow the basic outbreak response principles**

The four outbreak response principles:



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- **Protect human health**
- **Protect animal welfare and farming livelihood**
- **Contain the virus within the quarantine zone**
- **Make the outbreak to a one off event**

Protect human health



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- **Choose a culling method that involves the least amount of staff and personnel**
- **Combine culling and disposal to bring down the amount of staff involved**
- **Use PPE under all situations within the infected area**

Protect human health (2)



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- **Make somebody other than yourself responsible for wearing PPE correctly**
- **Check PPE on the entrance of the infected area**
- **Make sure that used PPE is destroyed after use**

Protect animal welfare and farming livelihood



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- **Cull the least amount of animals as possible**
- **Cull them with the least amount of stress and pain**
- **Culling animals destroys proteins as a food source**
- **Culling animals destroys future investments of the poultry industry in food safety**

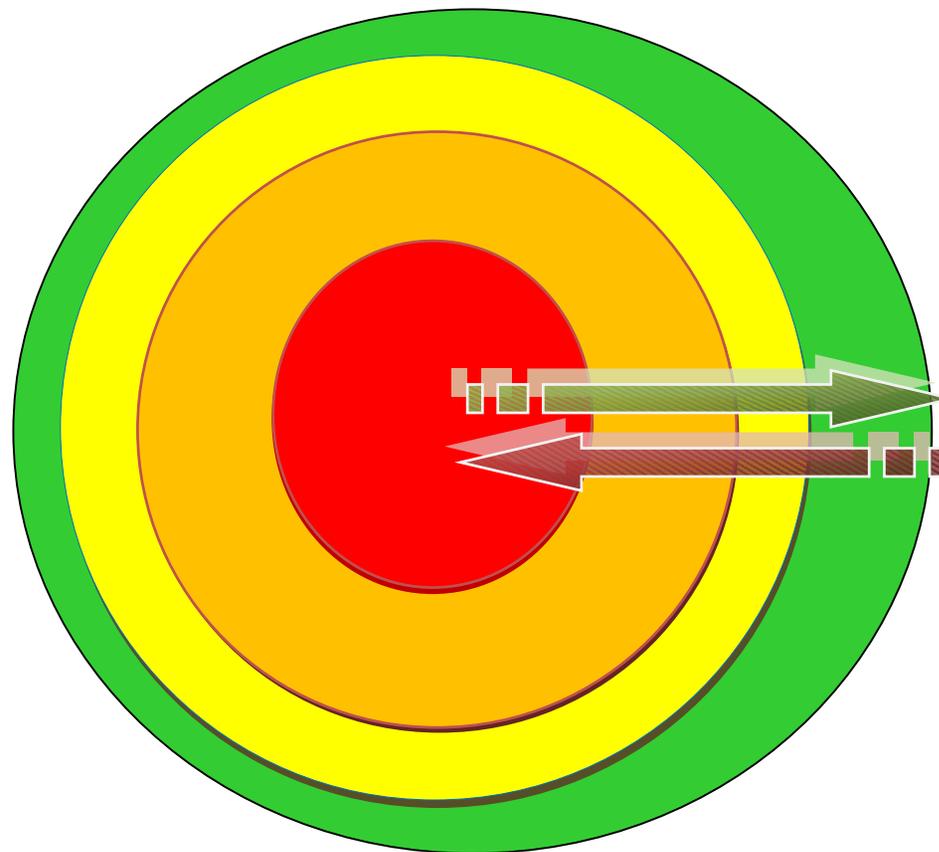
Quarantining the virus



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- **Create zones around the infected premises (IP)**
 - Red zone, immediately around the IP
 - Orange zone, for C&D, staging and storage for the red zone
 - Yellow zone, as a buffer zone around the IP
 - Green zone, for administration, registration, staging and storage for the operation

Quarantining the virus (2)



Make the outbreak to a one off event



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- **Start response activities directly after suspicion**
- **Prepare and train all involved and make sure they are fit and able for the job**
- **Create farm level outbreak response plans in advance**
- **Bio security is no longer a choice, it is a must**
- **Check your legal position in advance and adjust it if necessary**



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**BE PREPARED:
DON'T BUY WEAPONS IN WAR TIME!**

**Thank you for your patience!
Harm Kiezebrink**