

Group 1: Disease risk, Institutional mechanism and Control strategies finding and research gaps

Disease risk

- *Ways of introduction for HPAI virus in Ethiopia*

Illegal trade

- Smalls trader at the border with Sudan, Djiboutu, Erythrea
- At the border movement of poultry: From Ethiopia to Sudan; Djibouti?, Erythrea?

Legal trade:

- DOC: importation trough air
- Poultry equipments and poultry products (incubator, feeding watering, cage,...)
- Mechanical transport at the border with the Sudan

Wild migratory wild bird

- *Pathways of introduction for HPAI virus in Ethiopia*

- Legal trade
- Illegal trade
- Wild migratory wild bird

- *Way of spread*

- Poultry market
- Feed processing
- Poultry equipment
- Poultry multiplication centre
- Human factor (worker of smalls or larger commercial farms)
- Low bio-security(factors ??) Each poultry production system (number, level of bio-security, housing, feeding)
- Live vaccine (Vaccination)

Risk area (Risk map)

Need to update the previous risk assessment of introduction via DOC and migratory wild bird

Control option

- Measures

- Movement control
- Vaccination
- Quarantine measures
- Stamping out and compensation (Compensation base on the level and assessment of the level of bio-security??)
- Disposal of carcass
- Disinfection of infected material
- Active surveillance
- Awareness creation (sensitizing)
- Re-stocking (one month?? Per farm) if not exist put in the strategic doc
- Level of bio-security of each poultry production
- Market closure
- Tight fencing around poultry premises

In case of the outbreak in the market????

- Cost-effective control measures

Institutional mechanism

- National coordination committee
- Technical coordination committee: Regional, woreda level
- Communication and awareness
- Surveillance disease and control for human health
- Surveillance disease and control for and animal health
- Resource and mobilization
- Public health