



FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS



FAO SUPPORT IN THE CONTROL OF THE HEALTH CRISIS IN AFRICA

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.... Changing World

Increasing human population

Pathogen adaptation

Globalization

Climate change

Modernized technology

**Differences in socio-economic development
and traditional livelihoods**

**Deforestation
& wild meat
consumption**

**Environmental
pollutants**





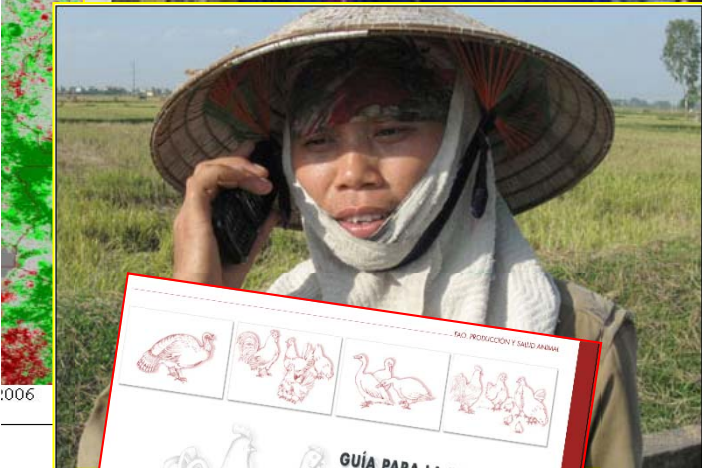
Approach



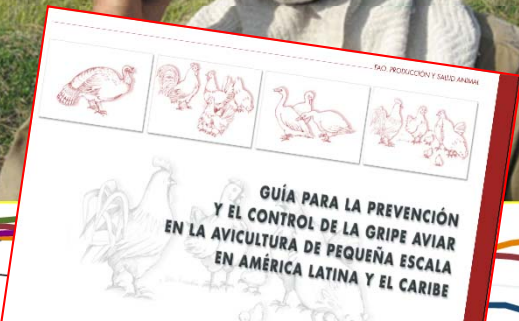
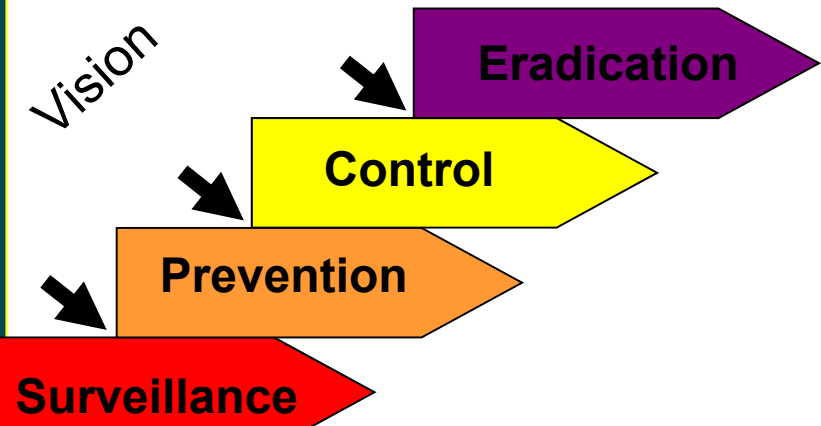
Progressive Control requires a Holistic Approach



- **Communication**
 - Best Practices
 - Options
 - Participatory
 - Truthful
 - Inter-Agency

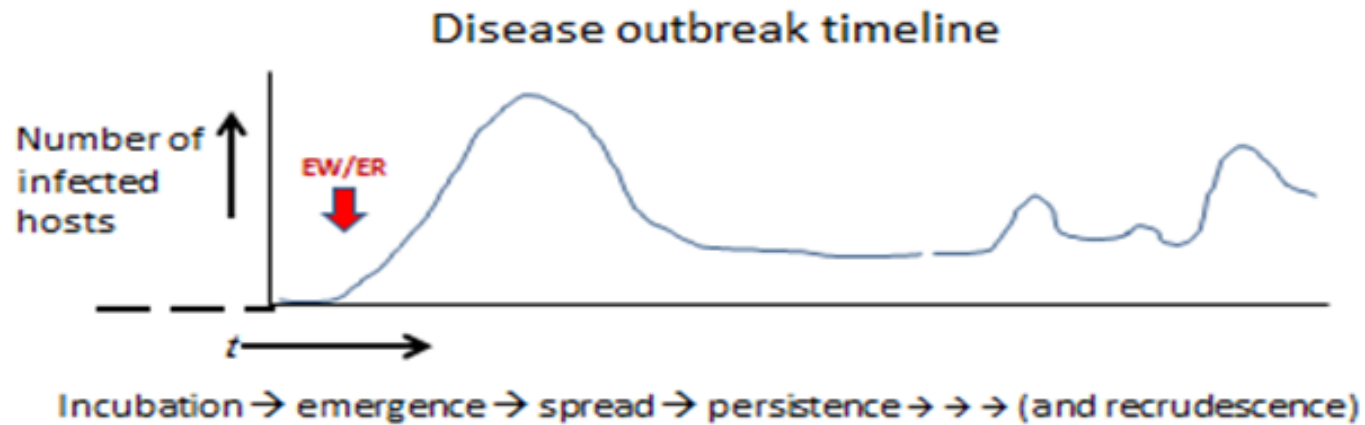


- **Vision**





Disease outbreak timeline



“Shift to the left”



- Early Detection/Warning and Early Response (EW/ER)
- Tackling disease drivers of emergence, persistence and spread (upstream)

***One Health approach
to better managing the risk of emerging global health threats***



SUPPORT



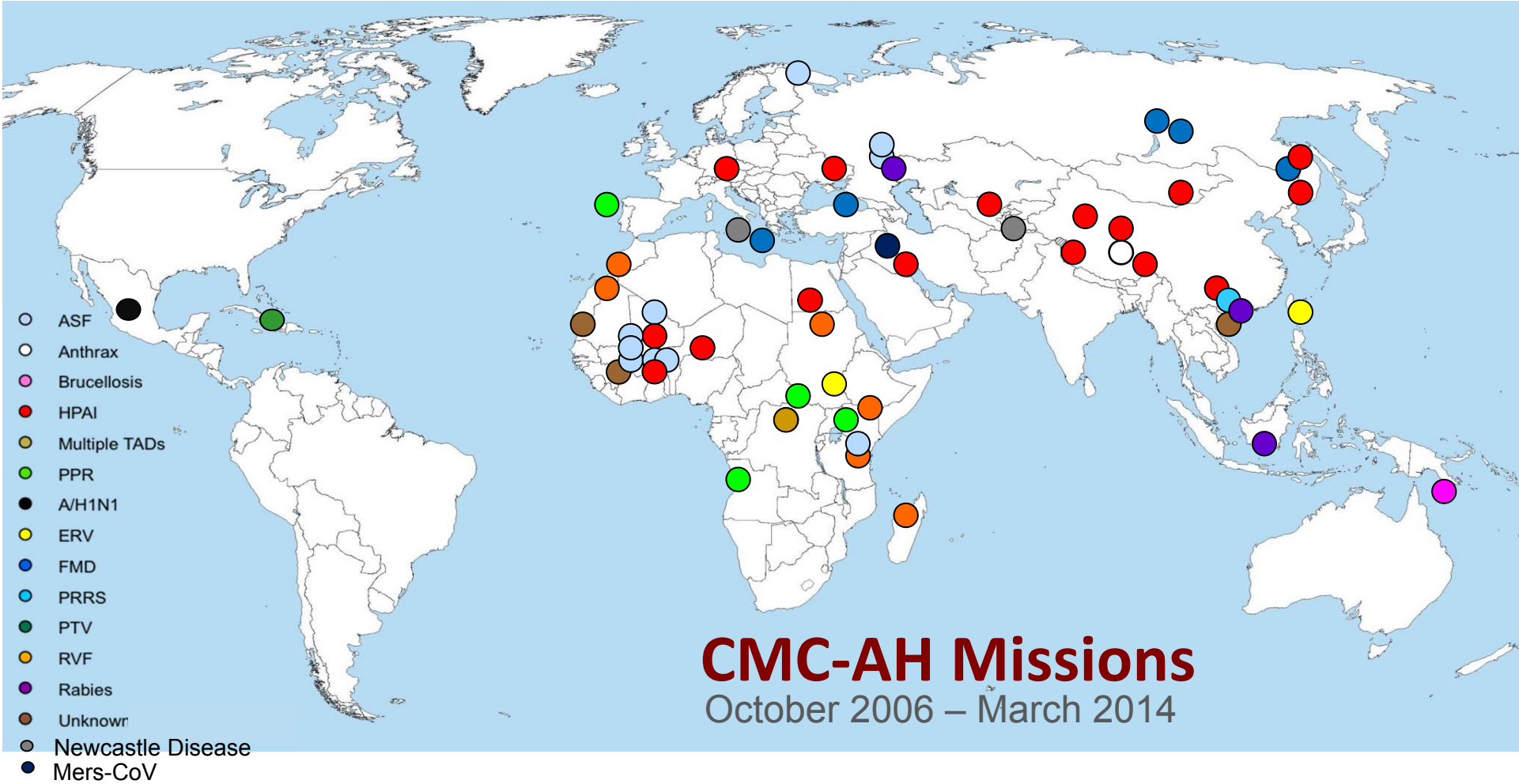
Building Networks and promoting Partnership

- **Global : OIE, WHO**
 - OFFLU
 - GLEWS
 - One Health
 - GF-TADs Global
- **Regional**
 - AU, NEPAD, AU-IBAR,
 - GF-TADs Africa
 - REMESA, RESOLAB
- **Sub-Regional**
 - RECs (Regional Programming framework)
- **National or Bilateral**
 - Country Programming framework





Crisis Management Center - Animal Health





FAO's Animal Health Database: EMPRES-i (1)

DIRECTORY ▶

EMPRES-i provides contact details of the Chief Veterinary Officers (CVOs) for each country.

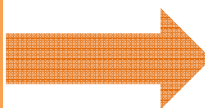
LABORATORIES ▶

EMPRES-i provides contact information of FAO/OIE reference laboratories and Regional laboratory

LIBRARY ▶

EMPRES-i provides access to FAO technical publications such as bulletins, journals, reports,

DISEASE EVENTS



Fields:

- Dates (observation, reporting, lab diagnosis)
- Location (Admin units or geo-coordinates)
- Disease status (confirmed, denied or suspected)
- Host (species, production system, vaccination status)
- Epidemiological info
- Control measures
- And more...



Remote Sensing and Early Warning System

- Climate and environmental factors (rainfall, temperature, vegetation greenness) linked to vector ecology can be monitored using near real- time satellite images



- Development of cost effective early warning tool for risk monitoring, prediction, prevention and mitigation.



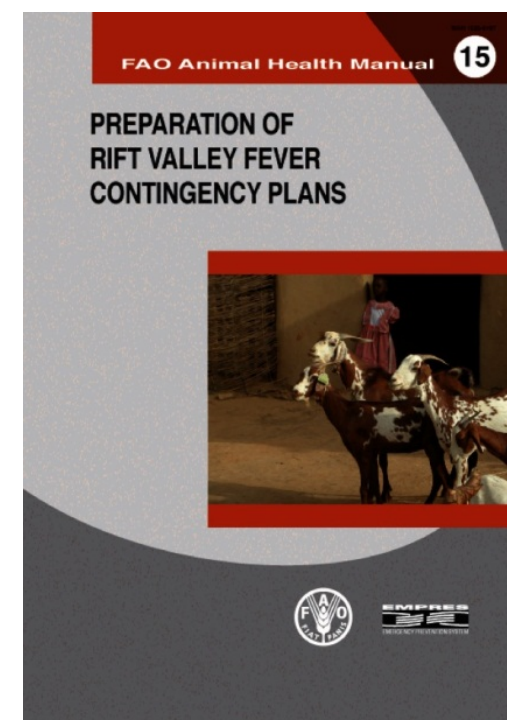
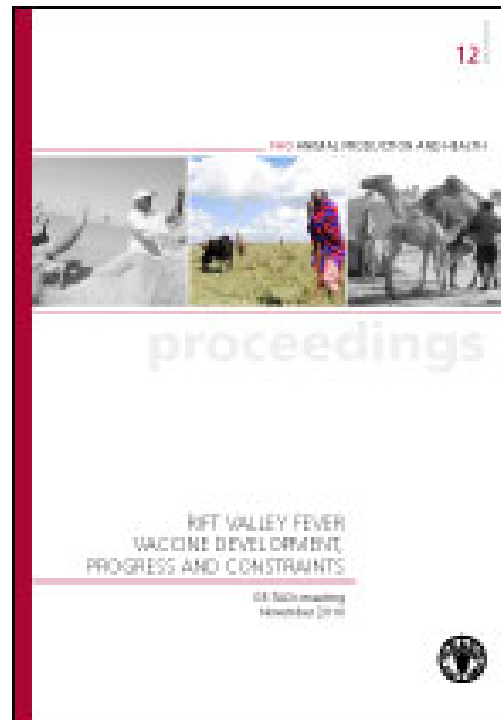
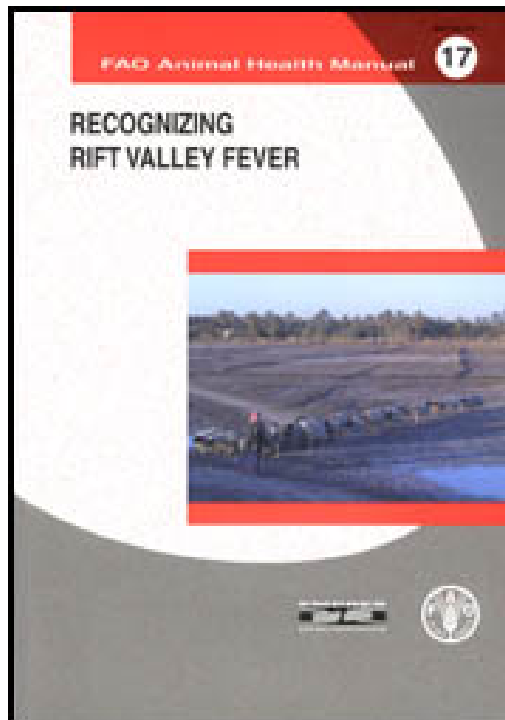


PREDICTION, PREVENTION & CONTROL of TADs : SHARING INFORMATION, EPIDEMIOLOGICAL ANALYSIS & RISK ASSESSMENT.





Manuals and Publications



<http://www.fao.org/documents/en/>

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Technical assistance & Capacity building



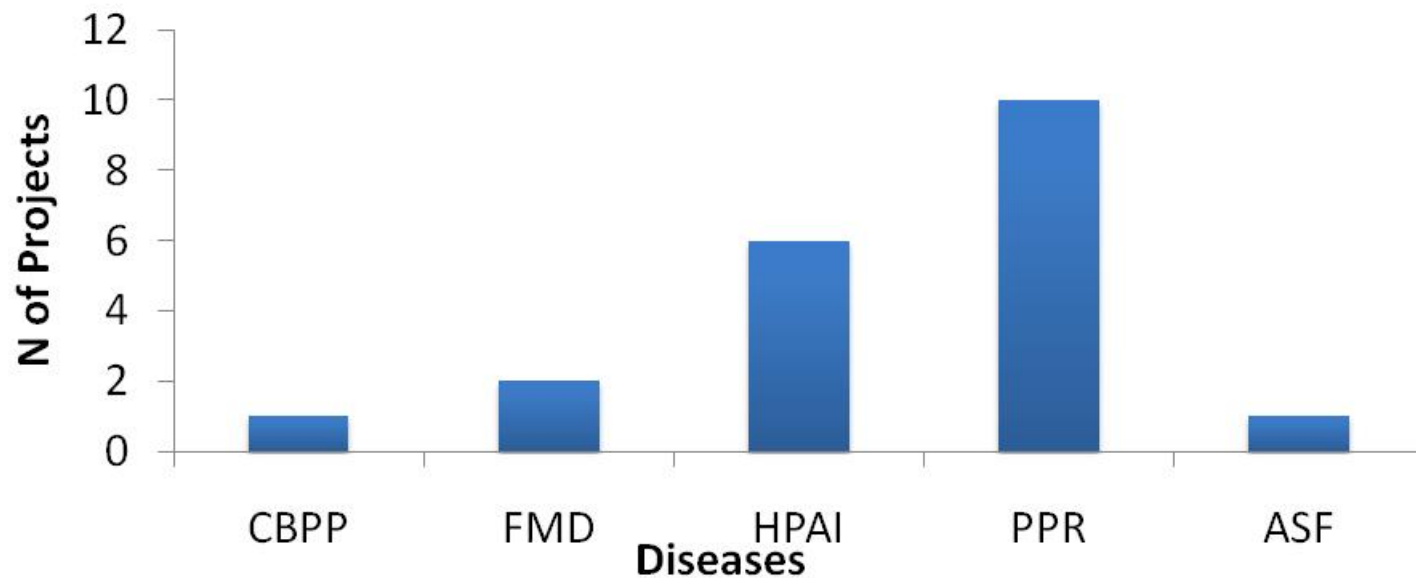


Technical Cooperation Programme (TCPs)

- Launched in 1976, the TCP : FAO's Regular Programme including emergency.
- Provide FAO's technical expertise to countries through targeted, short term, catalytic projects.








Animal health : More than 50 million USD during the last 5 years



Number of projects with one disease (n=20).



SNAPSHOT

-  30 million USD
-  90,000 families
-  Next 12 months
-  Immediate action
-  Long-term Impact

FAO's Priorities

- 1- Help stop the spread to avoid further loss of life
- 2- Boost incomes and agricultural production
- 3- Build resilience of communities to disease threats
- 4- Strengthen coordination

Ex. Ebola



Multidimensional approach:

- Innovation
- Inclusive and cross-sectoral
- Twin-track approach



Conclusion

- Multidisciplinary and integrated approaches: ***One Health.***
- Global health threats are anticipated to continue unless more effective actions are taken to address the variety of underlying causes.
- Need to act on the root causes of disease emergence: ***Shift to the left.***



Conclusion (2)

- Need to find a common vision to bring global health risk down while meeting the challenge of the increasing demand on earth natural resource and agriculture.
- Strategic changes in risk management and biosecurity



THANKS!

