FAO ACTIVITIES IN THE FIELD OF TSETSE AND TRYPANOSOMOSIS CONTROL
2011-2013

32nd Meeting of the International Scientific Council for Trypanosomiasis Research and Control (ISCTRC)
8-12 September 2013, Khartoum, Sudan

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Outline

• **FAO**
  – Projects
  – Training
  – Technical assistance
  – Normative work

• **The Programme Against African Trypanosomosis**
  – Data management and Geographic Information Systems (GIS)
  – Technical assistance
  – Meetings

• **Publications**
Ongoing FAO projects (1/3)

- Improving food security in sub-Saharan Africa by supporting the progressive reduction of tsetse-transmitted trypanosomosis in the framework of NEPAD
  - Funding: Government of Italy
  - Budget: USD 1M
  - Scope: regional
  - Priority Countries: Burkina Faso, Ghana and Mali (West Africa), Ethiopia, Kenya, Uganda (East Africa)
  - Focus: data management and Geographic information Systems (GIS)
Ongoing FAO projects (2/3)

- Development of innovative site-specific integrate animal health packages for the rural poor (West and East Africa)
  - Funding: International Fund for Agricultural Development (IFAD)
  - Budget: USD 1.6M
  - Priority countries: Kenya, Ghana and Burkina Faso
  - Other beneficiary countries (training):
    - Eritrea, Ethiopia, Burundi, Rwanda, Sierra Leone, Nigeria, Mali, Côte d’Ivoire, Niger and Benin
  - Focus: Livestock Protective Net Fence
Ongoing FAO projects (3/3)

- FAO technical cooperation projects (funding: FAO Regular Programme Budget)
  - Projet d’appui à la lutte contre les mouches tsétsé et les trypanosomoses animales dans la région de Sikasso au Mali
    - Budget: USD 339,000
  - Projet pilote d’appui à la prévention et à la lutte contre les trypanosomoses animales en Angola
    - Budget: USD 288,000
  - Opération pilote de prise en charge de la lutte contre la tsé-tsé et la trypanosomose animale par les bénéficiaires dans la Province du Kénédougou au Burkina Faso
    - Budget: USD 341,500
Planned FAO projects

- *Appui aux efforts de transfert de technologies éprouvées pour le contrôle de la trypanosomose et d’autres parasitoses du bétail dans le Nord et le Centre de la Côte d’Ivoire*

- Enhanced trade, and sustainable use of trypanotolerant livestock in West Africa
FAO activities: 2011-2013
Programme against African Trypanosomosis (PAAT)

Training
- Sudan – 17–25 August 2013
  - Veterinary Research Institute (VRI) / PATTEC Sudan
  - GIS and data management
FAO assistance to PATTEC: examples

• PATTEC Ghana
  – One detailed presentations will be given in “An Integrated Strategy of Intervention against Riverine Tsetse in the Upper West Region of Ghana in the framework of PATTEC”

• PATTEC Sudan
  – One detailed presentations will be given in “The Spatial distribution of bovine trypanosomosis in tsetse-infested areas of Sudan: past & present”

• PATTEC Uganda
  – Assistance in data management and analysis
  – Focus: The distribution of tsetse and animal trypanosomosis in the Lake Victoria basin of Uganda
Normative activities

• Quality Control/Quality Assurance of trypanocides
  – Joint initiative of FAO/IFAH/GALVmed/IAEA
FAO activities: 2011-2013

Programme against African Trypanosomosis (PAAT)

- Estimating the costs of tsetse control options: An example for Uganda
- Mapping the economic benefits of intervening against bovine trypanosomosis in Eastern Africa
PAAT

- Programme against African Trypanosomosis (PAAT)
  - interagency collaboration that since 1997 joins together the efforts of
    - FAO
    - World Health Organization (WHO)
    - International Atomic Energy Agency (IAEA)
    - African Union-Interafrican bureau for animal resources (AU-IBAR)
PAAT: data management and GIS

• The Atlas of human African trypanosomiasis (HAT)
  – WHO-led, jointly implemented with FAO in the framework of PAAT
  – Two detailed presentations will be given on:
    • The Atlas of HAT
    • The risk of HAT

• The Atlas of tsetse and African animal trypanosomosis (AAT)
  – FAO-led, jointly implemented with IAEA in the framework of PAAT
  – One detailed presentation will be given on developing continental maps of AAT
Programme against African Trypanosomosis (PAAT)

- **Location:** West Africa
- **Beneficiary:** Mali

**PAAT: technical assistance (1/2)**

- **IAEA/FAO/CIRAD**
  - **Job training on GIS (December 2011)**
  - **Beneficiaries:** South Africa and Mozambique
  - **Study on GIS and population genetics of *G. p. gambiensis***
  - **Area:** West Africa
  - **Study on the release-recapture of *Glossina palpalis gambiensis*** between river basins
PAAT: technical assistance (2/2)

• IAEA/FAO collaboration in the framework of the IAEA Coordinated Research Project (CRP) ‘Applying population genetics and GIS for managing livestock insect pests (2008-2013)’
  – Beneficiaries: Ethiopia, Kenya, Burkina Faso

• FAO/CIRAD
  – study on the impact of footbath insecticide treatment on tsetse density
    • Beneficiary: Chad
PAAT: meetings

• PAAT Secretariat meetings organized by FAO
  – February 2011, Addis Ababa, Ethiopia
  – September 2011, Bamako, Mali
  – September 2012, Vienna, Austria

• Visit of AU-PATTEC Coordinator to FAO Headquarters
  – May 2012
  – As a follow up, an MoU was signed in July 2012 to formalize the collaboration between FAO and AU-PATTEC
Publications

• Tsetse and Trypanosomosis Information Bulletin
  – Two issues a year
Scientific publications

- **Animal trypanosomosis and tsetse**

- **Human African trypanosomiasis**
Thanks for your attention