



**Follow-up mission in the framework of GRIPAVI**  
**« FSP Ecologie et épidémiologie de la grippe aviaire dans les pays du Sud »**

# Ethiopia

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**Résumé:**

La présente mission a été effectuée dans le cadre du projet «Ecologie et épidémiologie de la grippe aviaire dans les pays du Sud» visant à étudier les dynamiques des pestes aviaires – influenza aviaire hautement pathogène et maladie de Newcastle – et à renforcer les méthodes de surveillance et de contrôle de plusieurs pays africains. L’Ethiopie, bien qu’indemne de grippe aviaire hautement pathogène due au virus H5N1, est un haut lieu stratégique de surveillance de cette maladie du fait de la présence de nombreux oiseaux migrateurs dans les lacs de la Vallée du rift. L’aviculture villageoise en Ethiopie joue un rôle essentiel dans la réduction de la pauvreté et dans le maintien de la sécurité alimentaire des familles rurales. Ainsi l’introduction et/ou la diffusion de maladies aviaires hautement pathogènes dans un pays comme l’Ethiopie peuvent avoir des conséquences dévastatrices non seulement sur l’industrie de la volaille mais également dans le domaine de la santé publique.

Cette mission avait pour objectif principal de préparer les conditions institutionnelles (lien avec le NAHDIC, le NVI) et matérielles de l'accès au terrain de Melle Gomis, (voiture, interprète, autorisation,...),

Un amendement à la convention, pour les activités de recherche de l’étudiant en Master, a été discuté au cours de la mission et un accord a été trouvé. Il a été décidé que le NAHDIC co-encadrerait et donnerait son aide matérielle et scientifique, pendant la période du stage, à Tana Gomis.

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**Key words** Ethiopia, HPAI, GRIPAVI, NCD

**Summary:**

This mission was realised within the frame of the project ‘Ecology and Epidemiology of Avian Influenza in Southern Countries’ which aims at studying the dynamics of avian diseases – Highly Pathogenic Avian Influenza and Newcastle disease - and strengthening the surveillance methods and the control strategies of several African countries. Although Ethiopia is free from HPAI H5N1, it represents a strategically important surveillance site for this disease, as it encompasses the Rift Valley lakes where lot of migratory birds is nesting during winter time. Poultry farming in Ethiopia of traditional low input systems which play an important part in the poverty reduction and food safety of rural families. Thus the introduction and/or the dissemination of highly pathogenic diseases in a country as Ethiopia could have devastating consequences not only on poultry industry but also on the field of the hunger relief and public health.

This mission had a main objective, of preparing the institutional conditions (relationship with the NAHDIC, the NVI) and practical conditions of the access to the field of Miss Gomis, (car, interprets, authorization,...).

An amendment to the second convention, for the activities of research of the Master student was discussed during the mission and an agreement was found. The NAHDIC is committed to co-supervise and give material and scientific assistance, for the training period, to Miss tana Gomis.

## Acronyms

CVO: Chief Veterinary Officer

FAO: Food and Agriculture Organisation

FVM : Faculty of Veterinary Medecine (Debre Zeit)

ILRI: International Livestock Research Institute

IFPRI: International Food Policy Research Institute

MoARD: Ministry of Agriculture and Rural Development

NAHDIC: National Animal Health and Disease Investigation Centre

NVI: National Veterinary Institute

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## Schedule:

### **02/08/09: Arrival at Addis Ababa**

- Work planning preparation (F. Goutard, T Gomis & E. Vallée)

### **03/08/09: Addis Ababa – Sebata**

- Departure for Sebata
- Meeting with Dr M. Shale (NAHDIC)
- Discussion with Dr P. Caufour (CIRAD)
- Meeting with Dr M. Balcha (NAHDIC)
- Meeting with Dr H. Chaka (NAHDIC – PhD CIRAD)

### **04/08/09: Debrezeit**

- Meeting with Dr H. Chaka (NAHDIC – PhD CIRAD)
- Debriefing of the mission with Dr M. Shale (NAHDIC)

### **05/08/09: Addis Ababa**

- Departure to Durban

## Detailed report on the mission

### 1. GRIPAVI: appraisal of activities

- The third agreement, specific for the laboratory of 19 225 Euros has been signed and the 50% of the total amount should soon sent to NAHDIC:
- The total laboratory material for sampling has been sent to the NAHDIC in March, but due to some custom procedure and a very long delay for the NAHDIC to collect the material, the AI Elisa test, which were no kept under cold condition are unusable.
- Dr Hassen Chaka started the sample collection at markets. Markets were selected according to the results of E. Vallée report.

#	Woreda	Woreda capital	Market name	Location/Kebelle
1			Bakajo	Bakajo
2	Ada'a	Debre Zeit	Godino	Godino
3			Hidi	Hidi
4			Adami Tulu	Adami Tulu
5	ATJC	Ziway	Bulbula	Bulbula
6			Abosa	Abosa
		Total		

- A vehicle and a driver have been assigned to Dr Goutard and Tana Gomis for the duration of the mission.

### 2. GRIPAVI: Master student

- **The NAHDIC is committed to co-supervise** and give material and scientific assistance, for a period of 4 months, to **Miss Tana Gomis**, with effect from August 3rd, 2009. Miss Tana Gomis is a master degree student in “Anthropology of development” and she will carry out a study on the sanitary risk management of poultry farmers in the area of Debrezeit, Ethiopia. Her study results will be integrated to the current PhD of Dr Hassen Chaka. Dr M. Figuié (MOISA-CIRAD) is her direct supervisor.
- If needed, the NAHDIC is committed to get Miss Tana Gomis a vehicle with a driver for the duration of her field study. All her costs, the vehicle running costs(fuel, maintenance, repairs, tyre) and the perdiem of the driver and the translator will be cover directly by Miss Tana Gomis on real cost basis. A register describing the destination, the mileage covered the name of the driver and the purpose of the trip has to be filed for any trip under the project activities.
- She will work on the diversity of practices of breeders. She will check the importance of traditional veterinary medicine. Breeders are applying a “living/dealing with the disease” management strategies instead of avoiding it. Considering “avoidance” measures, it’s supposed that the implementation of vaccination is limited and very different from what is recommended by the technicians. Vaccination is probably used by a minority of farmers and when used, it is in unsystematic and sporadic ways: for example vaccination depending on the seasons / opportunities rather than on the age of birds, vaccination of poultry with more value, vaccination in case of disease introduction in the flock or in neighbouring flocks. Vaccination is subjected to certain constraints like among other things on the picture that farmers and

population have on vaccine, but also to physical accessibility constraints (vaccine doses sold by 1000, distance of veterinary centers....) Or to economical constraints (cost of vaccine). Individual practice of vaccination may be conditioned by the group (collective action).

- She will present her final results during a meeting of restitution end of October before leaving Ethiopia.

### **Conclusion: schedule of next activities**

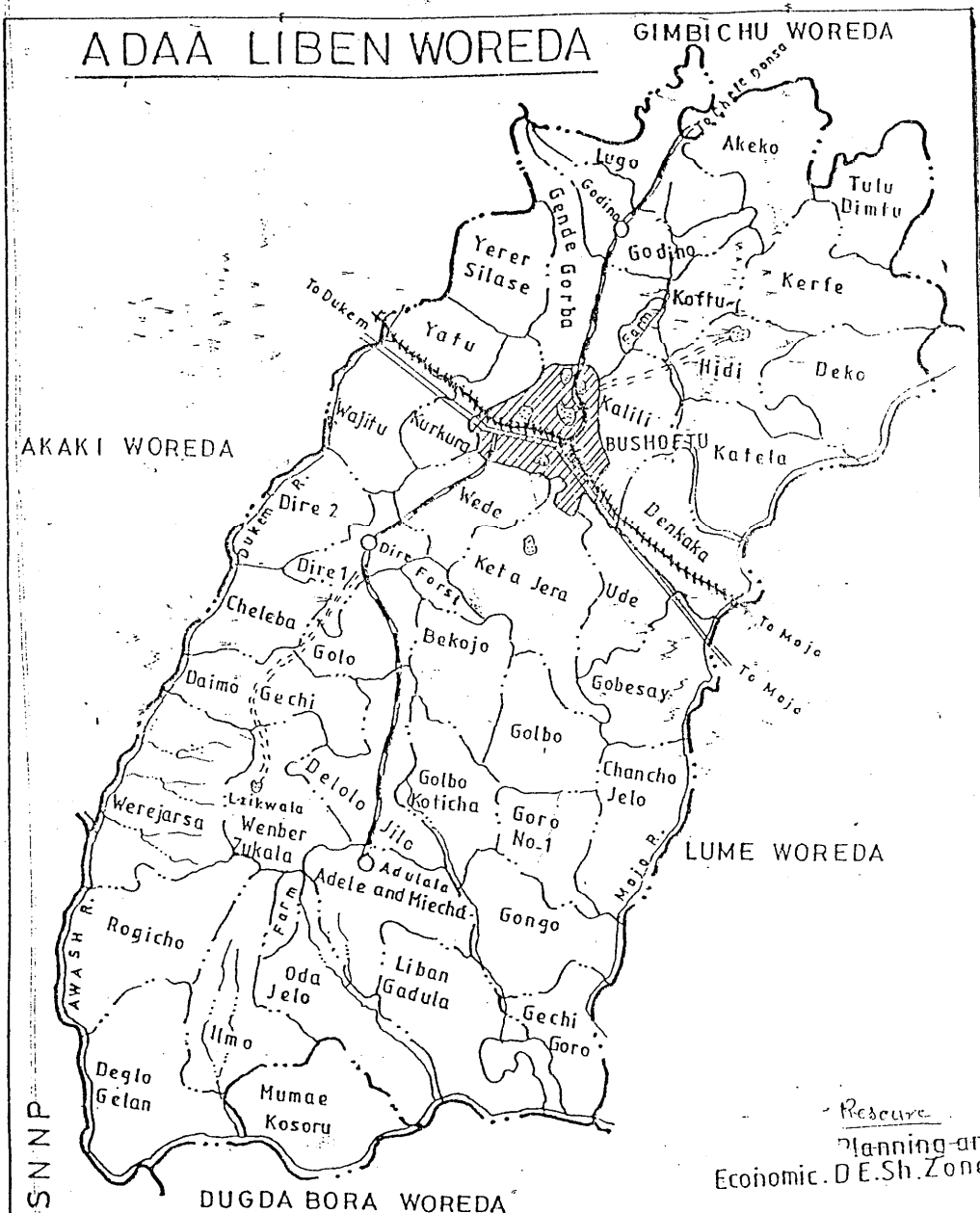
August:

- Going on with the market field study
- ISVEE – Durban with Hassen Chaka
- Meeting with Dr Thompson
- Mission of Dr Figuié between the 9<sup>th</sup> and 20<sup>th</sup> August

September:

- Gripavi meeting – 31-08 and 01/02-09 – in Montpellier



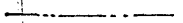



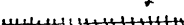



Sirac



SNNP

Resource  
Planning and  
Economic. D.E.Sh. Zone

**LEGEND**

-  Regional Boundary
-  Woreda Boundary
-  Peasant Association Boundary
-  Asphalt Road
-  Gravel Road
-  Dry Weather Road
-  Railway
-  River
-  Lake
-  Woreda Capital



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