

**Appendix**  
April 12, 2011

**Localities of collecting trips in Ethiopia, GTI project 1 (2010-2011)**

Royal Belgian Institute of Natural Sciences (Jean-Luc Boevé; Alain Pauly)  
Zoological Natural History Museum, Addis Ababa (Seyoum Mengistou; Betelehem Wordwosen; Degefa Negessa; Ketema Amberbir; Zewdu Ararso)

Pictures by Degefa Negessa (from 13.x.2010 to 2.ii.2011), Pauly Alain and Jean-Luc Boevé (from 3.x.2010 to 8.x.2010)

3.x 2010 (OROMIA):

a) Sebeta (= Sabata, = Sebata) [conventional 8°55'N 38°37'E]



b) road Sebeta to Suba Forest



c) Suba Forest [conventional: 8°58'N 38°32'E]





Bidens sp.



Fabaceae



d) road Suba to Holeta (station Brassicaceae)



J- L. Boeve and Degefa in Brassica crop



Brassica spp.

e) road Suba to Holeta (station blue Lamiaceae)





*Plectranthus garckeanus* (Lamiaceae)



4.x.2010

Sebeta

5.x.2010. (OROMIA)

Holeta (=Genet) [conventional: 9°04'N 38°30'E]



J.-L. Boeve and trainees



A. Pauly and trainees collecting on *Bidens pachyloma*

6.x.2010 (OROMIA)

a) Akaki [conventional: 8°52'N 38°47'E]





Crops (*Brassica* sp.)



*Echinops hispidus* (Asteraceae)

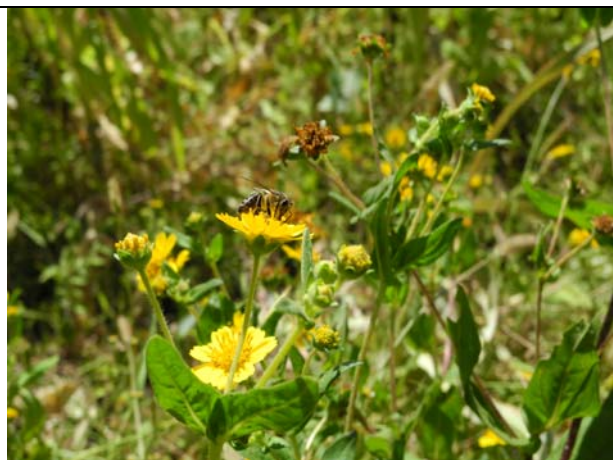
b) Mojo [conventional: 8°36'N 39°07'E]



Maize with *Guizotia scabra*



Fallow land with *Helianthus annuus*  
(sunflower)



*Guizotia scabra* (Asteraceae)



Sunflowers

c) Koka [conventional: 8°26'N 39°02'E]



c) Koka [conventional: 8°26'N 39°02'E]



*Heliotropium cinerascens* (Boraginaceae)



*Anethum graveolens* (Apiaceae)

7.x.2010 (OROMIA)

a) Sululta [conventional: 9°11'N 38°45'E]



*Echium plantagineum* (Boraginaceae)



*Echium plantagineum*

b) Chancho [conventional: 9°20'N 38°44'E]





*Otostegia integrifolia* (Lamiaceae)

*Otostegia integrifolia* (Lamiaceae)



*Trifolium* sp.



Asteraceae

c) Muketuri [conventional: 9°33'N 38°52'E]





*Achyranthes aspera* (Amaranthaceae)

d) Debre Libanos [conventional: 9°43'N 38°52'E]



*Plectranthus punctatus* (Lamiaceae)

8.x.2010

AMHARA: Baakelo 14km N. Debre Birhan [conventional 9°41'N 39°32'E]





*Salvia schimperi* (Lamiaceae)



*Carduus camaecephalus* (Asteraceae)



*Lippia adoensis* (Verbenaceae)





Plectranthus ornatus (Lamiaceae)



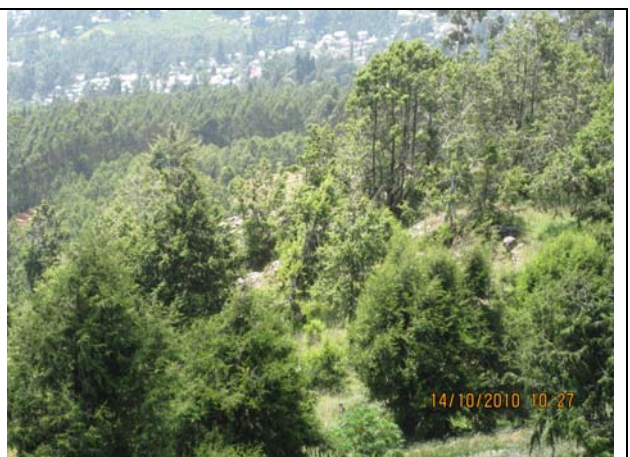
Plectranthus ornatus (Lamiaceae)

12.x.2010, OROMIA: between Kolobo [conventional 9°04'N 38°44'E] and Genet.

13.x.2010, OROMIA: Sabata



14.x.2010, OROMIA: Mt Entoto [conventional 9°06'N 38°42'E] (2400m)





10-16.x.2010, Holeta (leg. Zewdu)

17.x.2010, OROMIA: Muger [conventional 9°38'N 38°37'E], 60 km N. Holeta (leg. Zewdu)

Trip to Bale Mountains: [BALE]

20.x.2010,

BALE: Sanate Park (= Sanetti Plateau ?) [conventional 6°40'N 39°40'E] and Mt Batu



21.x.2010, BALE: Goba [conventional 7°01'N 39°59'E]

21.x.2010,

BALE: 20 km E. Robe [conventional 7°08'N40°00'E]





22.x.2010, BALE: Ali [conventional 7°15'N 39°56'E]

22.x.2010, BALE: Between Ali and Gasera or Gasera [conventional 7°22'N 40°13'E]



23.x.2010,  
BALE: Goro [conventional 6°59'N 40°30'E]





24.x.2010, BALE: Sebsibe Cave (= Sebsibe Washa) [conventional 7°03'39"35'E], between Dinsho and Adaba



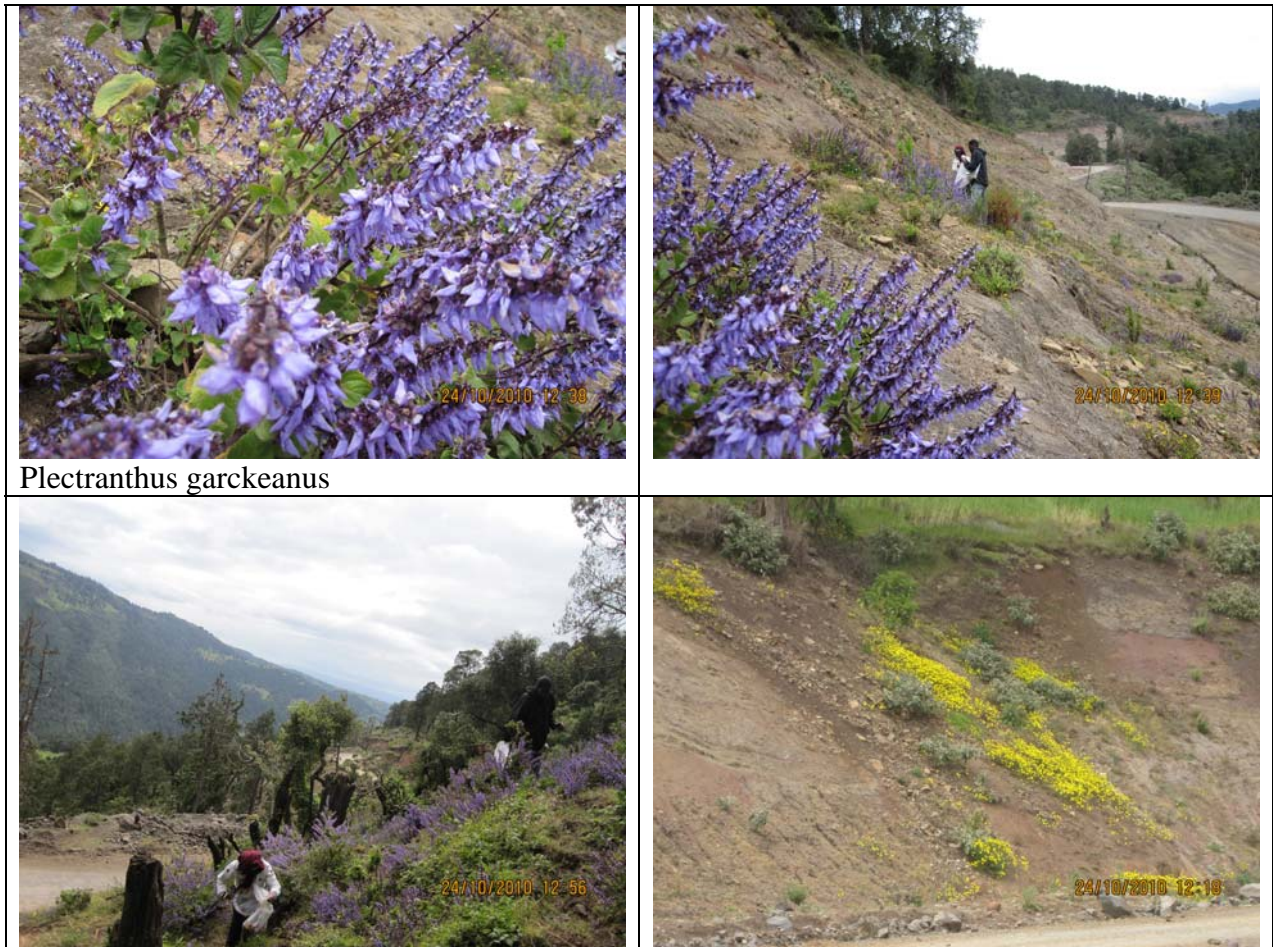
*Senecio fresenii*

*Bidens macroptera*

24.x.2010, BALE: Cheleleka forest [7°01'N 39°30'E], between Dinsho and Adaba







*Plectranthus garckeanus*

25.x.2010, Darkina Meskeli Forest (7°01'N 39° 28'E) (between Adaba and Dinsho)

25.x.2010, Dodola 6°59'N 39°11'E

Transect Mechara:

30-31.x., 3, 10, 13.xi.2010, Mechara (leg. Degefa) [conventional: 8°36'N 40°19'E]

6,7,9.xi.2010, Sororo, between Gelemso and Asbe Teferi (leg. Degefa) [? +- 8°54'N 40°47'E]

Transect Gedo:

29-30.x.2010, Finchaa Dam between Gedo and Shambu (leg. Zewdu)

4.xi.2010, Holeta (leg. Zewdu)

6-7.xi.2010, Guder (between Ambo and Gedo) (leg. Zewdu)

14.xi.2010, Bako (between Tibe and Sire) (leg. Zewdu)



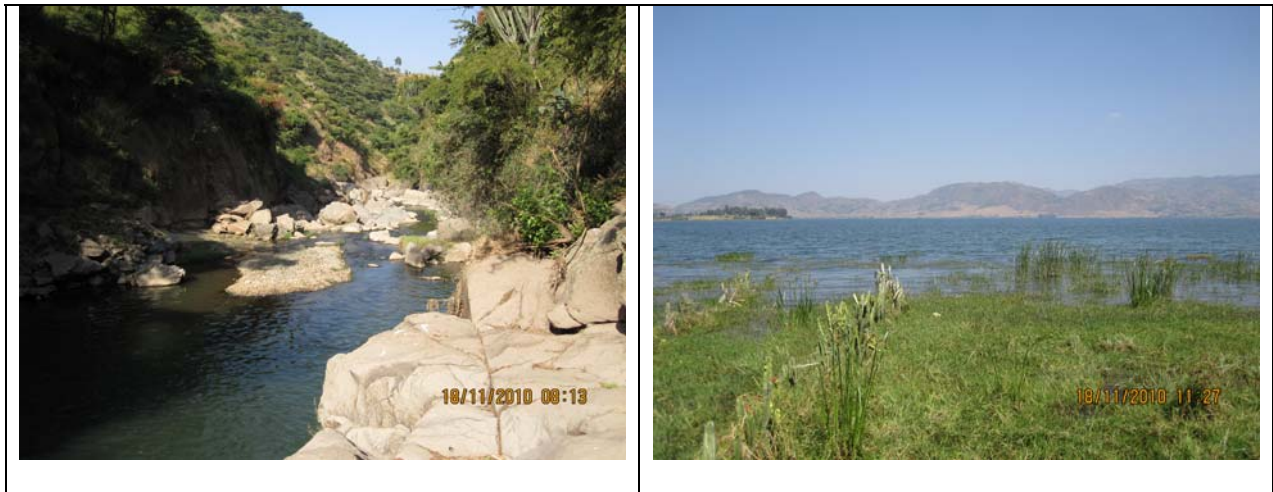
Trip to Dese (= Dessie) [AMHARA]



17.xi.2010, Pasomila (Paso Mile) (between Hayk and Wochale) [Wuchale: conventional 11°30'N 39°36'E]

17-18.xi.2010, Hayk [conventional 11°18'N 39°41'E]

18.xi.2010, Lake Hayk [conventional: 11°20'N 39°43'E] (2030m)







19.xi.2010, Haragoma (Mt Haregoma) (between Dese and Kombolecha) [11°06'N 39°41'E]



20-21.xi.2010, Chefawoledi (Chefa Woledi) [conventional: 11°00'N 39°46'E]



*Hygrophila auriculata* (Acanthaceae)





21.xi.2010, Kemise [conventional: 10°43'N 39°52'E]

22.xi.2010, Karakore [conventional: 10°25'N 39°56'E]

22.xi.2010, Efrata (mid way between Robit and Senbete) [10°09'N 39°59'E]



Aloe berhana (Aloeaceae)



**Transect Holeta to Gedo (rec. Zewdu):**

25 -26.xii.2010, 1 & 4.i.2011, Holeta



12.i.2011, Bako [Google map: 9°07'35"N 37°03'14"E], between Tibe and Sire

**Transect to Mechara (rec Degefa) [OROMIA, WEST HARARGHE]:**

4,5,6,16,18,19,25.xii.2010; 16, 17, 21.i.2011, Mechara (Machara)

29.xii.2010, Michata [Google map: 8°34'27"N 40°19'21"E]

1.i.2011, Milkay, 50 km S. of Mechara



Asteraceae n°111



Asteraceae n°111

2.i.2011, Tutis, 40 km SW of Machara





Asteraceae n°111



Asteraceae n°111

5.i.2011, Gadullo, coordinates ?



6.i.2011, Sororo





*Vernonia amagdalyna*



Flowering shrub n°112

**Second trip to Bale (4 collectors):**

24.i.2011, Ssashemene [Google map: 7°11'56"N 38°37'30"E] , between Ziway and Awassa

26.i.2011, Mt Bale (Sanete) [Google map: 6°46'29"N 39°43'35"E], between Goba and Dola-Mena









*Senecio myriocephalum* Sch.-Bip. Ex A. Rich  
(Asteraceae)



? *Inula confertiflora* (Asteraceae)



*Salvia nilotica* Juss.ex Jacq. (Lamiaceae)



27.i.2011, Harena Forest [Google map: 6°34'48"N 39°43'30"E], between Goba and Dola Mena (Dello)

29.i.2011, Dola Mena (Dallo, Dello Manna) [Google map: 6°24'58"N 39°50'30"E], between Goba and Legele Borena

30.i.2011,



- a) Harenna Forest [Google map: 6°34'48"N 39°43'30"E], between Goba and Dello  
 b) Dola Mena (Dallo) [Google map: 6°24'58"N 39°50'30"E], between Goba and Legele Borena



*Vernonia auriculifera* Hiern. (Asteraceae)



friche avec *Hypoestes forsakolii* (Vahl) R. Sch. (Acanthaceae)







? *Helichrysum* (Asteraceae)



*Vernonia auriculifera* (Asteraceae)



31.i.2011, Sof Omar (Sofumer) [Google map: 6°13'06"N 39°46'18"E]





31/01/2011 12:51



31/01/2011 13:02



31/01/2011 13:09



31/01/2011 13:40



31/01/2011 14:11

Aloe berhana et Aloe sp.



31/01/2011 14:27

Aloe berhana et Aloe sp.

1.ii.2011, Bekele Forest [Google map approximately 7°01'N 39°34'E], midway between Adaba and Dinsho.





*Echinops macrochaetus* A. Rich. (Asteraceae)

*Echinops macrochaetus* A. Rich. (Asteraceae)



*Senecio lyratus* Forssk. (Asteraceae)

*Senecio lyratus* Forssk. (Asteraceae)

1.ii.2011, Dinsho National Park (Google map: 7°06'N 39°45'E)





*Hypericum revolutum* Vahl. (Hypericaceae)

*Hypericum revolutum* Vahl. (Hypericaceae)

Aaa



## The Zoological Museum in Addis Ababa



a. - Entrance of the Museum



b. - Insect room (With Dr Seyoum and Katama)



c. - Mammal room



d. - Bird room



e. - Nile crocodile in bird room



f. - Bird gallery

Fig. 1. The Zoological Museum in Addis Ababa



Aaa



a. - Butterfly cabinets



b. - Amphibian room



c. - Mammals



d. - Hymenoptera cabinet.



e. - Reserve to be managed



f. - Bee collections

Fig. 2. The Zoological Museum in Addis Ababa



Aaa



Fig. 3. Holeta Bee Research Station



Aaa



a. - Traditional fores beekeeping



b. - Back yard beekeeping



c. - Modern hives



d. - Tree log hives (Gaagura Adaa)



e. - Different tools for honey hunting, from Meznenger people, Gembella.



f. - Tree log hive (Gaagura Adaa)

Fig.4. - The Museum in the Holeta Bee Research Centre.





a. - Different tools for honey hunting, from Meznenger people, Gembella.



b. - Beekeeper's smooker.



c. - Smooker.



d. - Log hive from Bale area.



e. - Honey containers (made from wood, animal skin and clay pot).



f. - Teji containers

Fig. 5. The Museum in the Holeta Bee Research Centre.



Aaa



a. - Traditional teji drinking ustensils



b. - Deep log barrel for teji.



c. - Chereka top bar.



d. - Kenya top bar.



e



f

Fig. 6. The Museum in the Holeta Bee Research Centre.



Aaa



Fig. 7. - The Museum in the Holeta Bee Research Centre.







Authors

