



Information Guide

EO for worldwide agricultural monitoring

Main Event: Agrisat Workshop
13-14/10/2010

Side Event: GMFS User Board Meeting
11-12/10/2010

Side Event: GEO JECAM Meeting
15/10/2010



VITO nv
www.vito.be

UCLouvain
www.uclouvain.be

European Commission JRC
www.jrc.ec.europa.eu

General Information

Scope

Food is an essential component of societal well-being and agriculture monitoring is critical for all nations. A dozen of operational large scale monitoring systems distributed across the world integrate information from earth observation, supporting the agricultural and development policies for what concerns import and export of agricultural products, support to farmers and food security.

Strategic investments over the next 10 years in earth observations, involving new satellite series and near-real time ground-based measurements, could revolutionize agricultural production monitoring, leading to improved management of our agricultural resources, helping to achieve the Millennium Development Goals.

The objective of this workshop is to review the state of the art, the current issues and the way forward in agricultural monitoring systems for the different regions of the world. Key recommendations will be formulated in order to improve food security and agricultural production monitoring on a global scale, taking into account policy evolutions, agro-ecosystems diversity, and satellite system developments.

Meeting Venue

Main Event: Agrisat Workshop

Borschette Centre
Room 1D
Rue Froissart 36
1040 Brussels

Side Event: GMFS User Board Meeting

Federal Science Policy Office
Avenue Louise 231
1050 Brussels

Side Event: GEO JECAM Meeting

Breydel Building - DG ENTR
Avenue d'Auderghem 45
1000 Brussels

Meeting Time

Side Event: GMFS User Board Meeting - 11/10/2010

10:00 - 10:30 Welcome & introduction to the agenda
10:30 - 12:30 Sessions
12:30 - 14:00 Lunch
14:00 - 18:15 Sessions

Side Event: GMFS User Board Meeting - 12/10/2010

09:00 - 11:00 Sessions
11:15 - 12:15 User board and scientific committee synthesis preparation
12:15 - 14:00 Lunch
14:00 - 15:30 Sessions
15:45 - 16:00 Recommendation of User Board
16:00 - 16:15 Recommendation of Scientific Committee
16:15 - 16:30 Wrap-up and closure

Main Event: Agrisat Workshop - 13/10/2010

09:30 - 10:00 Registration
10:00 - 12:30 Sessions
12:30 - 14:00 Lunch
14:00 - 16:30 Sessions
16:30 - 17:30 Discussion

Main Event: Agrisat Workshop - 14/10/2010

09:30 - 12:30 Sessions
12:30 - 13:30 Lunch
13:30 - 15:00 Sessions
15:30 - 17:30 Conclusions and recommendations

Side Event: GEO JECAM Meeting - 15/10/2010

09:00 - 12:30 Sessions
12:30 - 14:00 Lunch
14:00 - 16:00 Sessions
16:00 - 17:00 Conclusions & closure

Badges



Organisation



Speaker/Chair



Participant

Programme

Agrisat Workshop		
13/10/2010 - Agrisat Workshop (Day 1)		
09:30 - 10:00	Registration	
10:00 - 12:30	Session 1: EU Policy framework and (future) challenges Welcome and introduction to the agenda of the workshop The need to monitor production of main exporting countries Agriculture and food security for development World Food Monitoring EC Space policy and future developments	J-P. Malingreau S. Laruelle (Min. Agric., SME's & Science Policy) B. Buffaria (DG AGRI) D. Radcliffe (DG-DEV) R. Bonifacio (WFP) GMES Bureau
12:30 - 14:00	Lunch	
14:00 - 15:00	Session 2: Global perspective on agricultural monitoring and early warning <u>Keynote:</u> Overview of the current contribution, constraints and potentialities of EO systems to agricultural monitoring around the world Agro-ecosystems of the world: diversity of user needs Recent global agricultural production trends	P. Defourny C. Justice (GEO) H. Josserand (Food Security Consultant) C. Reynolds (USDA-FAS)
15:00 - 15:30	Coffee Break	
15:30 - 16:30	Session 3: Data needs and availability <u>Keynote:</u> Overview of needs, availability and gaps of in situ data, meteorological data and imagery for remote sensing based agricultural monitoring VITO Remote Sensing Data and Methods for Global Agricultural Applications ESA contribution to agricultural monitoring	GMES Bureau J. Verdin (USGS) L. Bydekerke (VITO) S. Pinnock (ESA)
16:30 - 17:30	Discussion session 2 & 3	P. Defourny, O. Leo, GMES Bureau
14/10/2010 - Agrisat workshop (Day 2)		
09:30 - 10:15	Session 4: Agricultural mapping (land use change understanding) <u>Keynote:</u> Global overview of crop mapping and mask at various scales FEWSNET: Rapid land use / land use change mapping experience Agriculture & drought mapping in Russia US NASS Crop data layer	J. Latham P. Defourny (UCL) T. Korme (RCMRD) I. Savin (IKI) L. Beard (USDA)
10:15 - 10:45	Coffee Break	
10:45 - 12:30	Session 5: Agricultural Statistics <u>Keynote:</u> Review of best practice in Crop Area Estimation with EO Agricultural Statistics in Brazil Estimating crop area in Kenya	L. Bydekerke J. Gallego (JRC) J. Rocha (Conab) J. Agatsiva (DRSRS)
12:30 - 13:30	Lunch	
13:30 - 15:00	Session 6: Crop growth monitoring and yield forecasting <u>Keynote:</u> Overview of the role of remote sensing in crop monitoring / yield forecasting and early warning Senegal's agricultural monitoring system and its policy impact Challenges in India for monitoring agriculture Europe's capacity for monitoring agriculture: MARS evolution & future	G. Genovese A. Dewitt (Alterra) G. Beye (CSE) J. Parihar (ISRO) B. Baruth (JRC)
15:00 - 15:30	Coffee Break	
15:30 - 17:30	Conclusions and recommendations A five minute presentation from each participant.	C. Justice J. Latham, R. Bonifacio, G. Genovese, J. Verdin, J. Masson, I. Alfari, A. Edwards

GEO JECAM Meeting

15/10/2010 - GEO JECAM Meeting

09:00 - 09:30	Session 1: Opening Session Workshop objectives Status of JECAM program implementation	P. Defourny (UCL) I. Jarvis (Agri-Food)
09:30 - 10:45	Session 2: Methodological challenges in European and African contexts AGRISAR : a European prototype for JECAM? Implementing Early Warning Systems : Ethiopia case study Crop acreage statistics : Ethiopia case study Agricultural Statistics: challenges in Malawi	M. Davidson (ESA) M. Hunde (MoARD) (TBC) J. Verdin (USGS) C. Mbukwa (MoFS)
10:45 - 11:00	Coffee Break	
11:00 - 12:30	Session 3: Methodological challenges GLOBAM experience in European and African test sites FOODSEC experience in Ethiopia IPAD experience in Africa GMFS experience in Ethiopia	G. Duveiller (UCL) M. Massart (EU-JRC) C. Reynolds (USDA) S. Gilliams (VITO)
12:30 - 14:00	Lunch	
14:00 - 16:00	Session 4: JECAM Africa – roadmap discussion Main methodological issues to be prioritized Opportunities for JECAM sites Experimental design for JECAM Africa and potential players Acquisition requirements on JECAM sites Field data needs Planning	
16:00 - 17:00	Conclusions and closure Summary and actions Concluding remarks	I. Jarvis (JECAM Officer) C. Justice (GEO Ag. Coordinator)

Programme - GEO JECAM Meeting

Venue & Travel Information

Main Event: Agrisat Workshop - 13-14/10/2010

Borschette Centre
Room 1D
Rue Froissart 36
1040 Brussels

Public Transportation:

- **From the airport: Brussels Airport Zaventem**

- * By train and metro: Trains run from the airport to Brussels Central Station (Gare Centrale/Centraal Station) approximately every twenty minutes. The journey will take you 25 minutes. Once you reach Central Station, you will take the metro to the Schuman metro stop. Take the metro line 1 in the direction of either Stockel/Stokkel or Herrmann-Debroux, for 5 stops. Get off at Schuman and leave the metro station via the Justus Lipsius exit.

Arriving on top of the escalator, stay on the right-hand side (there is a little flower stall). Turn immediately to the right and you will find yourself on rue Froissart.

Walk down rue Froissart, cross rue Belliard and continue on the right-hand side for about 300 meters. The next large building after the Clinique Leopold is the Borschette Centre.

- * By bus: Bus number 12 runs from the airport to the city centre approximately every twenty minutes. The bus journey will take you 30-45 minutes.

Take this bus from the airport to the Schuman bus stop, located at the Schuman roundabout. From this stop, walk down rue Froissart, cross rue Belliard and continue on the right-hand side for about 300 meters. The next large building after the Clinique Leopold is the Borschette Centre.

- **From Brussels South Train Station (Gare du Midi/Zuidstation)**

- * By metro: The journey by metro will take you approximately 20-25 minutes. Take the metro line 2 or 6 in the direction of Simonis (Elisabeth) for 6 stops. Get off at Arts-Loi/Kunst-Wet and change to line 1 or 5. Take this metro line in the direction of either Stockel/Stokkel or Herrmann-Debroux, for 2 stops. Get off at Schuman and leave the metro station via the Justus Lipsius exit.

Arriving on top of the escalator, stay on the right-hand side (there is a little flower stall). Turn immediately to the right and you will find yourself on rue Froissart.

Walk down rue Froissart, cross rue Belliard and continue on the right-hand side for about 300 meters. The next large building after the Clinique Leopold is the Borschette Centre.

- * By taxi: A taxi to the Borschette Centre will take approximately 20-25 minutes.

Social Event - 13/10/2010

Restaurant La Capranica
Avenue Michel-Ange 85
1000 Brussels

On the evening of Wednesday 13 October, an evening dinner is planned for the participants. We welcome you there. The Restaurant is a 5 min walk from the Borschette Centre. Please check the detailed map for directions.

Side Event: GEO JECAM Meeting - 15/10/2010

Breydel Building - DG ENTR
Avenue d'Auderghem 45
1000 Brussels

Access:

The building is located in the "Quartier Bailli/Baljuwwijk" business district. This neighborhood is easily accessible by public transport (metro).

There are several private parkings operated nearby. However, traffic conditions might be very unfavorable to the use of your private car. Smoking is not allowed in the buildings.

Public Transportation:

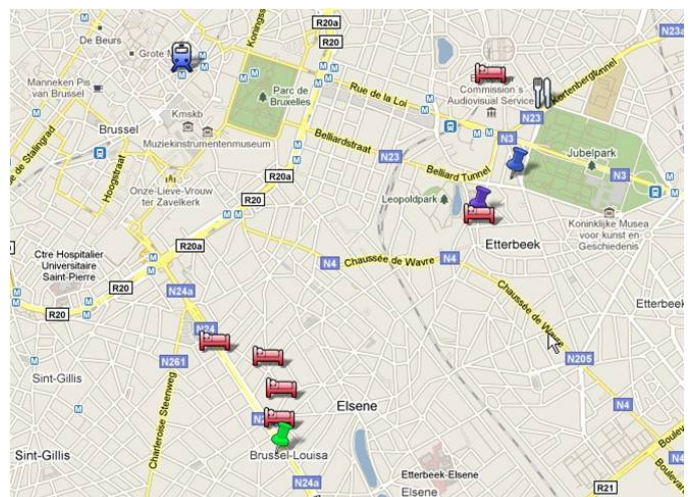
The building is located at equal distance from stop Vleurgat and stop Bailli/Baljuw (300m - 5 minutes walking)

- **From the airport: Brussels Airport Zaventem**

- * By train and metro: Trains run from the airport to Brussels Central Station (Gare Centrale/Centraal Station) approximately every twenty minutes. The journey will take you 25 minutes. Once you reach Central Station, you will take the metro to the Schuman metro stop. Take the metro line 1 in the direction of either Stockel/Stokkel or Herrmann-Debroux, for 5 stops. Get off at Schuman and leave the metro station via the Justus Lipsius exit. Arriving on top of the escalator, stay on the right-hand side (there is a little flower stall). Turn right at the second street and you will find yourself on avenue d'Auderghem. Walk down the street for about 300 meters.
- * By bus: Bus number 12 runs from the airport to the city centre approximately every twenty minutes. The bus journey will take you 30-45 minutes. Take this bus from the airport to the Schuman bus stop, located at the Schuman roundabout. From this stop, walk down avenue d'Auderghem for about 300 meters.
- * By taxi: A taxi from the airport will take about 15-25 minutes.

- **From Brussels South Train Station (Gare du Midi/Zuidstation)**

- * By metro: The journey by metro will take you approximately 20-25 minutes. Take the metro line 2 or 6 in the direction of Simonis/Elisabeth for 6 stops. Get off at Arts-Loi/Kunst-Wet and change to line 1 or 5. Take this metro line in the direction of either Stockel/Stokkel or Herrmann-Debroux, for 2 stops. Get off at Schuman and leave the metro station via the Justus Lipsius exit. Arriving on top of the escalator, stay on the right-hand side (there is a little flower stall). Turn right at the second street and you will find yourself on avenue d'Auderghem. Walk down the street for about 300 meters.
- * By taxi: A taxi to the Borschette Centre will take approximately 20-25 minutes.



Click on the map to go to the website and check out the possibilities.

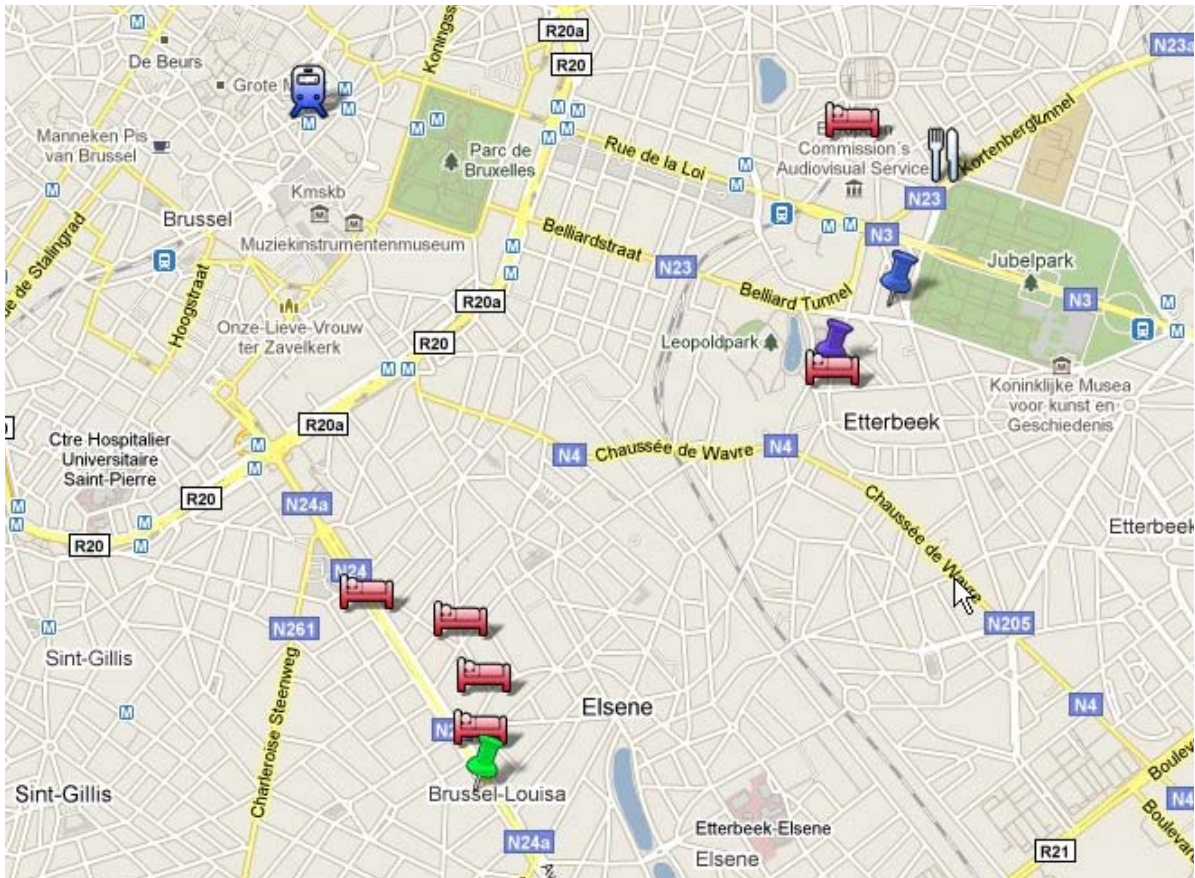
Hotel Accommodation

Hotel reservations have to be made by the participants.

We offer a selection of hotels where a reduced fee has been negotiated.
You can reserve accommodation at <http://www.resotel.be/agrisat>

With the Belgian Presidency from July – December 2010, we highly recommend to make your hotel reservations in time.

The rooms and tariffs are guaranteed until 10/09/2010, after this date no guarantees can be given.



Click on the map to go to the website and check out the possibilities.



GMFS User Board Meeting - 11-12/10/2010

Belpo building
Belgian Federal Science Policy Office
Avenue Louise 231
B-1050 Brussels



AGRISAT Workshop - 13-14/10/2010

Borschette Centre
Room 1D
Rue Froissart 36
1040 Brussels



Social Event - 13/10/2010

Restaurant La Capranica
Avenue Michel-Ange 85
1000 Brussels



GEO JECAM Meeting - 15/10/2010

Breydel Building - DG ENTR
Avenue d'Auderghem 45
1000 Brussels

Contacts

Agrisat Workshop

Scientific & practical content

Javier Gallego
IPSC-MARS
JRC, tp. 483,
Via Fermi 2749
21027 Ispra (Va) - Italy
Tel.: +39 0332 785101
javier.gallego@jrc.ec.europa.eu

GMFS User Board

Scientific content

Lieven Bydekerke
VITO – TAP
Boeretang 200
2400 Mol - Belgium
Tel.: +32 14 33 68 25
lieven.bydekerke@vito.be

Practical

June Cools
VITO – TAP
Boeretang 200
2400 Mol - Belgium
Tel.: +32 (0)14 33 68 57
june.cools@vito.be

GEO JECAM Meeting

Scientific content

Pierre Defourny
UCLouvain
Croix du Sud,2 ,bte.16
1348 Louvain-la-Neuve, Belgium
Tel.: +32 (0)10 47 2374
pierre.defourny@uclouvain.be

Practical

June Cools
VITO – TAP
Boeretang 200
2400 Mol - Belgium
Tel.: +32 (0)14 33 68 57
june.cools@vito.be

