



Framework and Agenda

About Pleiades, Cosmo Skymed and Orfeo

Summer 2010 is an important milestone for space cartographers as Pleiades satellites starts its operational life in space. The dual Pleiades program was initiated by CNES, the French Space Agency as a result of an in-depth study on users needs. Pleiades offers a spatial resolution at nadir of 0.7 m and a field of view of 20 km, a coverage capacity for the mapping applications, a stereoscopic acquisition capacity for fine cartography, notably in urban regions in order to bring complete information given by aerial photography.

ORFEO, a dual Earth observation system with metric resolution, using both optic and radar components (Pleiades and Cosmo Skymed) has been developed under cooperation between France and Italy. The ORFEO Accompaniment Program that has started in 2003, has already enabled exploitation of the images derived from these sensors through experiments undertaken by European laboratories and institutions.

Future steps and needs for European organisations

A new era of sub-metric and even decimetric optical and radar satellites is now coming : *Spot 6, Rapid Eye, Terrasar, Cosmo, WorldView, GeoEye ...* Those sensors can be considered as alternative sources of information and as an opportunities to get to another dimension e/g *getting rid of borders, homogeneous geometry, allowing optical and radar fusion, various channels, possible capture of information anywhere in the World within one day, instantaneous stereoscopy.*

Satellites can now be fully considered as a support for Mapping Organisations. The Community of Users deserve to be currently informed and updated on what is existing and carried on, in the World, within Europe, how one can access data and even how to express needs for future sensors.

Eurogeographics, EuroSDR, CNES, IGN and Spheris are inviting European and National Mapping and Cartographic representative actors to start dialogue in Paris within this seminar(Euromap³s).

DAY 1 — Thursday, October , 8th from 1 pm to 6:30

1:00 — 1:30 Opening, welcome by Hosts

1:30 — 3:00 Contribution by Space Industries

- knowledge in terms of image quality and resolution: demonstration case on one site (Toulouse) using various sensors CNES and IGN Espace (FR)
- Present and future offer of optical and radar VHR sensors and presentation of successful stories; CNES (FR) and IGN Espace (FR)
- Global Review of Very High Resolution satellites and sensors : CNES (FR)
- SPOT follow on Spot Image/Astrium
- Cosmo Skymed: Telespazio (IT)
- Terrasar X : Presentation by DLR and InfoTerra (DE)
- Case study over Tahiti: how can satellite imagery be a real good substitute to aerial photographs? By IGN Espace (FR)

3:30 — 5:30 Current experiences of Mapping

Organisations about using satellite imagery

- Emergency and Rapid Mapping, UNOSAT (UN)
- Regular Mapping / Express Mapping
Infoterra (FR ou DE)
- The Ordnance Survey Case : The Swiss Federal Office of Topography case (CH)

5:30 — 6:30 The Urban Atlas

Cocktail

DAY 2 — Friday, October, 9th from 9 am to 4

9:00 — 10:00 am Introducing the Pleiades Satellite

- General presentation of Pleiades satellite : the platform, instruments, ground segment. Expected launch and expected capabilities in terms of resolution, cover, agility. Introducing some simulations made from Pelican images by CNES (FR).
- Present demand of IGN France in terms of image quality, resolution and update possibilities. Can Pleiades be considered as a potential source of information or referential for the French national geographic referential at large scale (RGE) by IGN (FR)
- Pleiades Operational capabilities Spot Image SA (FR)

10:00 — 10:45 am The Orfeo Programme

- Orfeo Programme: how it works, how to apply, a selection of applications relevant to the concerns of European NMCA's : (not only mapping), forestry, agricultural statistics, risks... A brief introduction to the Orfeo Tool Box by CNES (FR)
- Extraction of 3D city models from Pleiades by MATIS Laboratory (FR)
- Cartography of risks in real time by SERTIT (FR)

Coffee Break

11:00 — 13:00 am Workshop 1 : Future User Needs

The place of satellite imagery for European Mapping: what sensors, how to federate the needs and organize the community? (participants: NMCA's, EUROGEOGRAPHICS + ESA, EUMETSAT representatives...)

Lunch

2:00 — 4:00 pm Workshop 2 : Use and further development of National and European Earth Observation Programmes

4:00 — 4:30 pm Summary / conclusion

● ● ● | Invitation

Registration form

I wish to attend the 2009 European Mapping and Satellite Solutions Seminar (EuroMap³S)

- DAY 1
Thursday 8th, October
- DAY 2
Friday 9th, October

Company/Société

Name & Surname/ Nom & prénom

Position / Fonction

Adress / Adresse

Phone & Fax / Téléphone & Fax

E-mail/ Courriel

Registration form to be returned to Spheris

☞ fax to +33 1 44 88 99 39

☞ email to contact@spheris-fr.com

● ● ● | Invitation

EuroMap³S European Mapping and Satellite Solutions Seminar 8th – 9th October 2009

Salle de l'Espace,
Centre National d'Etudes Spatiales
2 place Maurice Quentin
75001 PARIS — FRANCE

- No registration fee
- Mandatory registration
- Dates
Thursday octobre 8th from 1 pm
To
Friday october 9th till 4:30 pm
- Venue and access / Lieu et Accès
Salle de l'Espace,
CNES, 2 place Maurice Quentin 75001 Paris

Trains & Stations : RER A or U-lines 1 & 4
(Chatelet-les Halles)
- Information / renseignements
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Centre National d'Etudes Spatiales
2 place Maurice Quentin
75001 PARIS — FRANCE



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