

ASI

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CNES

Frédéric	ADRAGNA
Alain	BAUDOIN
Benoit	BOISSIN
Hélène	de BOISSEZON
Philippe	DURAND
Jean Claude	FAVARD
André	HUSSON
Pascale	ULTRE-GUERARD

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Users implied in preparatory program

GT1	Fabrice	ARDHuin	SHOM
	Antoine	MANGIN	ACRI
	François	PARTHOT	CEDRE
GT2	José	DELGADO	UNOSAT
	Roland	NUSSBAUM	GPSA (association FFSA et GEMA)
	Jérôme	CHEMITE	
	Daniel	FOURNIER	
	Jérôme	BEQUIGNON	DDSC
	Hervé	YESOU	SERTIT
GT3	Marianne	CHAHINE	CETE Lyon
	Jacques	COSSALTER	RGD74
	Yves	CORNET	Université de Liège EXPERT BELGE
GT4	Pierre	BRIOLE	CNRS/INSU
	Claudie	CARNEC	BRGM
	Rémi	MICHEL	CEA
	Eric	GASTINE	SOLETANCHE-BACHY
	Michel	GAY	CNRS/Laboratoire des Images et des Signaux
GT5	M.	ZRIBI	CETP/IPSL/CNRS
GT6	Thuy	Le TOAN	CESBIO
GT7	Guido	LEMOINE	AGRIFISH
	B.	DE SOLAN	ARVALIS

VOLET METHODOLOGIQUE

Henri Jean-Marie	MAITRE NICOLAS	ENST
Fabrice	JANEZ	ONERA/DTIM

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Agenda

- Introduction by Cnes
- The French user preparatory program by Cnes
 - General organisation
 - Progress of the work
 - Main questions about COSMO
- The COSMO system by ASI
 - General description
 - Main performances
- The Italian preparatory program
 - General overview
 - Main results and applications
- Conclusion

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ORFEO Cooperation

- Torino arrangement : January 2001
 - Inter governmental arrangement:
 - to implement co-operation for setting up an Earth observation capability using optical and radar sensors, in order to satisfy dual (military and civilian) needs
 - With the objective to share fairly the resources of the system
- Ratification in september 2004
- steering at governmental level

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ORFEO Cooperation

- Cnes/ASI arrangement for the definition phase : June 2001
- Definition phase ended beginning of 2004
- Main conclusion/decision taken at governmental level
 - Definition compliant with mission requirement
 - No common ground segment
 - High Level Interfaces are frozen
 - Task force implemented **at ministerial level** to finalise data policy and ressource sharing before end of 2005
 - At operational cost for institutional users
 - Limited percentage of the ressource
 - Joint mission team to be maintained
- Cnes/ASI arrangement for the realisation phase in the finalisation process

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ORFEO Cooperation

Joint mission team mandate

The objectives of the JMUT are :

- To ensure the interface with the civilian user community
- To identify synergies between the two systems
- To identify users' needs in terms of services and products
- To analyze actual missions performances versus user's needs

This will accomplished in particular by conducting the civilian User's Preparatory Programme, for:

- Definition of operational services
- Definition of Data Products corresponding
 - Single System Standard Products;
 - Analysis of Optical-Radar Data existing synergy;
 - Definition of possible COSMO SkyMed / Pléiades HR Value Added Products
- Data Products certification and validation (methodology, tools, etc.);
- Gathering and collecting of needs-requests from involved civilian Users Communities (governmental, institutional, etc.) in order to analyze how the two systems can satisfy those needs-requests.

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Orfeo preparatory program

Objectives :

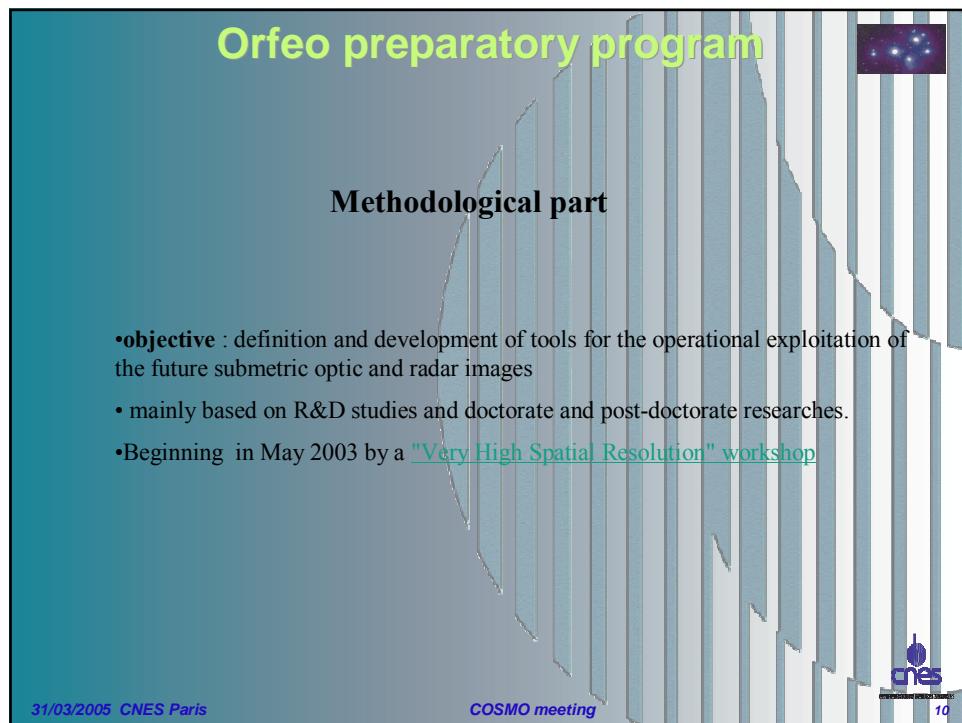
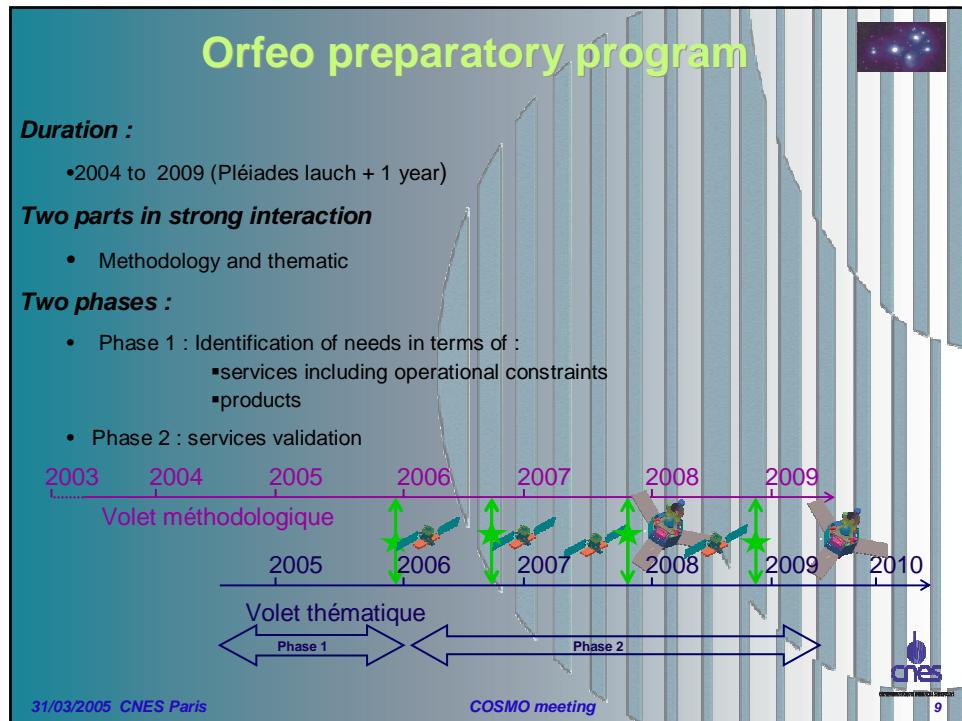
- to define evaluate and prepare adequate future services
- To prepare user to develop their own routine processes
- to prepare, accompany and promote the use and the exploitation of the images derived from these sensors

"in very close cooperation with the final users"
"at ORFEO level to give the best answer"

Why :

- the new capabilities and performances of the ORFEO systems
- implies the need of new methodological developments, new processing methods, or adaptation of existing methods
 - High volume of data's : Automatic processing mandatory
 - Processing techniques to be adapted to the new kind of visible objects
- permits to envisage new services

At the bottom left is the date "31/03/2005 CNES Paris" and at the bottom right is the number "8".



Orfeo preparatory program

Thematic part

- covering all the [applications](#)
- including the products and needed services specification
- Including the demonstrations and validations of the new services
- Beginning in May 2004 after a [seminar in April 2003](#)
- 7 civil thematic workshops : Risks and Humanitarian Aid, Sea and Coastlines, Cartography and Town and Country Planning, Geology, Hydrology, Forestry, Agriculture.
 - Small groups up to
 - 6 French and Belgium institutional users
 - 3 Cnes representative including the responsible for the methodological part and the thematic pert

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Orfeo preparatory program

Typical “service/product data sheet”

General description, objectives

Technical specification

Precision, surface, ancillaries data's
Format

Operational constraints

Temporal constraints, delay between request and data reception, ...

Yearly needs evaluation

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Orfeo preparatory program

Organization and responsibilities

The definition and responsibility

Earth observation delegation DSP/OT
Benoit BOISSIN is this program responsible for the DSP

The monitoring and technical steering

delegated by DSP to Toulouse Center DCT/SI/AP service in coordination with the PLEIADES Project (Eric BOUSSARIE).

- Frédéric ADRAGNA. technical coordination
- Jean Claude FAVARD : responsible for the methodological part
- Hélène de BOISSEZON : responsible for the thematic part
- Selma CHERHALI : responsible for the PLEIADES server and the simulated data

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Orfeo preparatory program

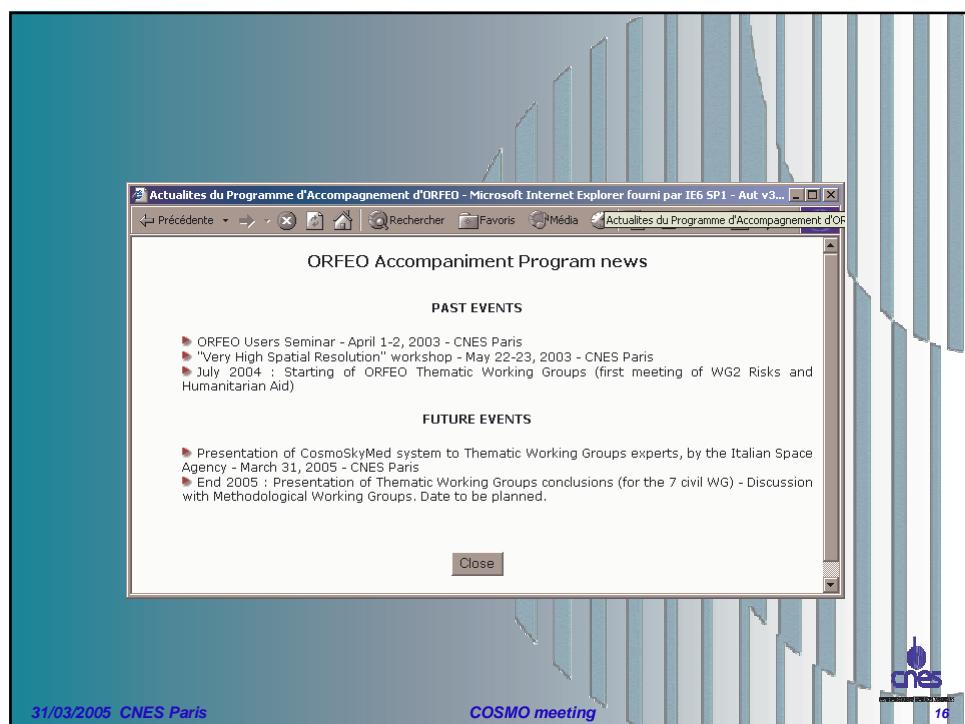
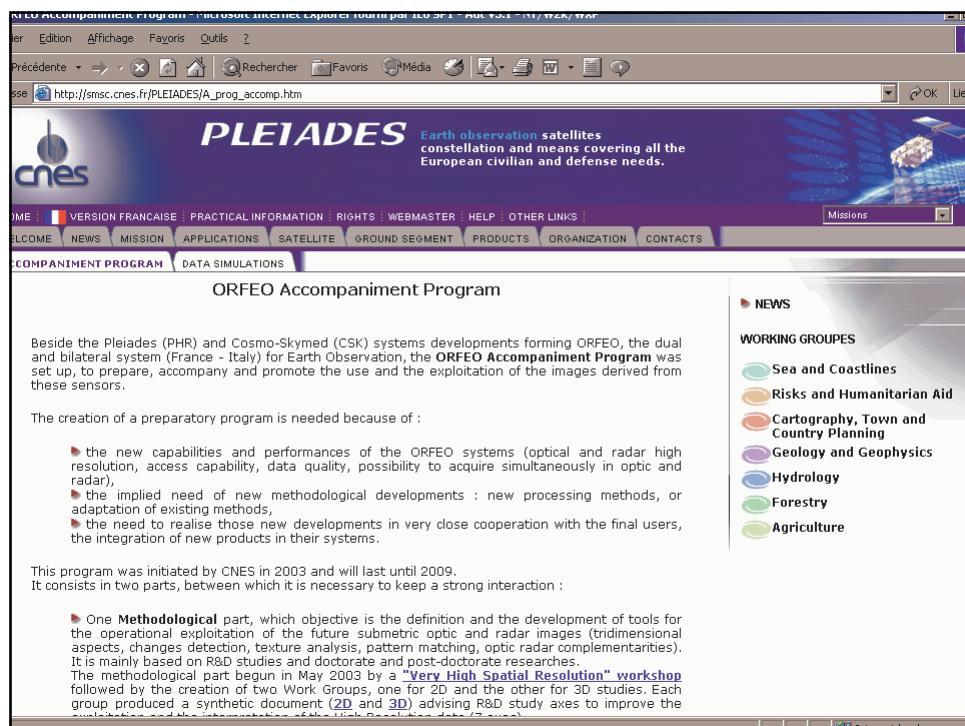
ORFEO Preparatory Program Web site

<http://smsc.cnes.fr/PLEIADES>

Main objectives

- 1. Information on the progress of the Program :**
 - Planning and meeting minutes...
- 2. Access to simulated datas :**
 - simulated datas (acquired during airborne campaigns)
 - satellite images quite similar to Pleiades (as QuickBird and Ikonos)
 - simulated radar datas

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ORFEO Accompaniment Program - Microsoft Internet Explorer fourni par IE6 SP1 - Aut v3.1 - NT/W2k/WXP

Précedente | Rechercher | Favoris | Média | Date | Ordre du jour | Présentations | Compte-Rendu Télécharger | Liens

Adresse : http://smerc.cnes.fr/PLEIADES/A_prog_accomp.htm

PLEIADES Earth observation satellites constellation and means covering all the European civilian and defense needs.

HOME | VERSION FRANÇAISE | PRACTICAL INFORMATION | RIGHTS | WEBMASTER | HELP | OTHER LINKS | Missions

WELCOME | NEWS | MISSION | APPLICATIONS | SATELLITE | GROUND SEGMENT | PRODUCTS | ORGANIZATION | CONTACTS

ACCOMPAGNEMENT PROGRAM | DATA SIMULATIONS

ORFEO Accompaniment Program

Beside the Pleiades (PHR) and Cosmo-Skymed (CSK) systems developments forming ORFEO, the dual and bilateral system (France - Italy) for Earth Observation, the **ORFEO Accompaniment Program** was set up to prepare, accompany and promote the use and the exploitation of the images derived from

GT1 : Mer et Littoral

GT2 : Risques et Aide Humanitaire

GT3 : Cartographie et Aménagement du Territoire

NEWS

WORKING GROUPS

- Sea and Coastlines
- Risks and Humanitarian Aid
- Cartography, Town and Country Planning
- Geology and Geophysics
- Hydrology
- Forestry
- Agriculture

GT7 : Agriculture - Microsoft Internet Explorer fourni par IE6 SP1 - Aut v3.1 - NT/W2k/WXP

Précedente | Rechercher | Favoris | Média | Date | Ordre du jour | Présentations | Compte-Rendu Télécharger | Liens

GT7 : Agriculture

COMPOSITION DU GROUPE DE TRAVAIL :

Experts extérieurs

Coordinatrice	Camille LELONG CIRAD
Dominique KING	INRA
Olivier LEO	JRC Ispra
Georges CUVILLIER	LEGUM'LAND
Denis BOISGONTIER	ARVALIS
Dominique BUFFET	Centre Wallon de Recherches Agronomiques
Robert OGER	Centre de Recherches Agronomiques de Gembloux
Pierre DEFOURNY	Université Catholique de Louvain
Bernard TYCHON	Fondation Universitaire Luxembourgeoise

Ingénieurs CNES

Responsable thématique	CNES
André HUSSON	CNES
Animation technique	
Hélène de BOISSEZON	CNES
Benoit BOISSIN	CNES
Jean Claude FAVARD	CNES
Philippe DURAND	CNES

REUNIONS DE TRAVAIL (accès réservé)

Date	Ordre du jour	Présentations	Compte-Rendu Télécharger
13/12/2004	Agenda	Arvalis Axes Travail CCR CIRAD INRA Lanum Land	Compte-rendu

GT7 : Agriculture - Microsoft Internet Explorer fourni par IE6 SP1 - Aut v3.1 - NT/W2k/WXP

REUNIONS DE TRAVAIL (accès réservé)

Date	Ordre du jour	Présentations	Compte-Rendu Télécharger
13/12/2004	Agenda	<ul style="list-style-type: none"> ► Arvalis ► Axes Travail ► CCR ► CIRAD ► INRA ► Legum Land ► Prog Acc ORFEO HdB ► Prog ORFEO BB ► Sous domaines synthèse au 12/01/2005 	Compte-rendu

PLANNING DES PROCHAINES REUNIONS

La deuxième réunion est planifiée le jeudi 8 avril 2005 à Toulouse

ANNONCE D'EVENEMENTS LIES AUX GT

[FICHES PRODUITS ORFEO émises par le GT7](#) (accès réservé)

[ESPACE D'ECHANGE](#) (accès réservé)

CONTACT : [Frédéric ADRAGNA](#)

[Fermer](#)

Simulations de données - Microsoft Internet Explorer fourni par IE6 SP1 - Aut v3.1 - NT/W2k/WXP

Accès à l'espace d'échange

PLEIADES Constellation de satellites et de moyens d'observation de la Terre couvrant l'ensemble des besoins Européens civils et de défense.

ACCUEIL ENGLISH VERSION INFOS PRATIQUES TEXTES DE LOIS WEBMASTER AIDE AUTRES LIENS
 BIENVENUE ACTUALITES MISSION APPLICATIONS SATELLITE COMPOSANTE SOL PRODUITS ORGANISATION CONTACTS
 PROGRAMME D'ACCOMPAGNEMENT SIMULATIONS DE DONNEES

Simulations de données PLEIADES
N'oubliez pas de changer régulièrement votre mot de passe !

Vous trouverez sur les pages suivantes une partie des simulations au CNES ainsi qu'une description des images sources correspondantes. Vous pourrez alors télécharger (en cliquant sur les liens dans le paragraphe "produits simulés") les données que vous voulez utiliser pour votre étude.

SIMULATION DE DONNEES DANS LE CADRE DE LA DEFINITION TECHNIQUE DE LA MISSION PLEIADES

SITE	DATE D'ACQUISITION	MODE	THEMATIQUE
Luc en Diois	23 Septembre 1999	P	Végétation, 3D
Montpellier	14 Juillet 1999		Végétation, rural
Poitiers	?		Urban
Port de Bouc	23 Septembre 1999		Port
Salon de Provence	21 Septembre 1999		Péri-urbain
Toulouse	26 Octobre 1999		Urban
Toulouse	08 Juin 2000	P (0.48 à 0.83 µm)	Urbain
La Save	26 Octobre 1999	P	Agricole, 3D
Luc en Diois	23 Septembre 1999		Végétation, 3D
Marseille 2	16 Mai 2000		Urban, 3D
Marseille 3	16 Mai 2000		Urban, 3D
Montpellier	14 Juillet 1999		Végétation, rural, 3D