



GALILEO Joint Undertaking

Galileo and the European Developments

IGS Workshop 2004

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March 3, 2004



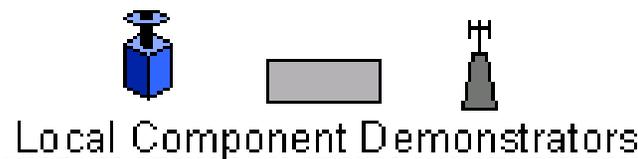
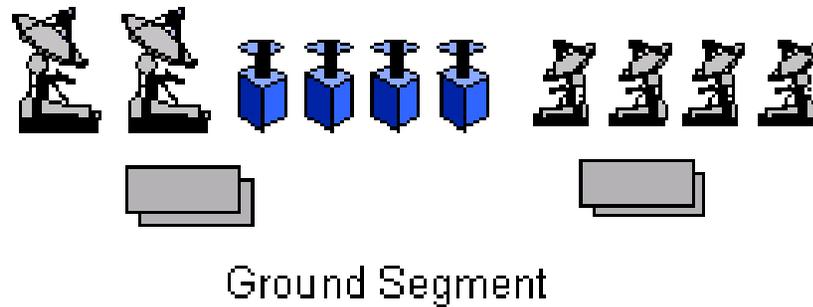
Overview

- Introduction
- Galileo Concession
- 6th Framework Programme
- Integration of EGNOS
- Technical Developments
- International Dimension



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The Core System (GalileoSat)



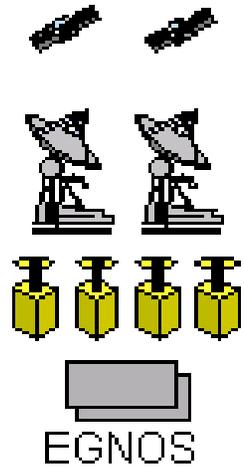
The GALILEO Mission



Non-European Integrity Systems



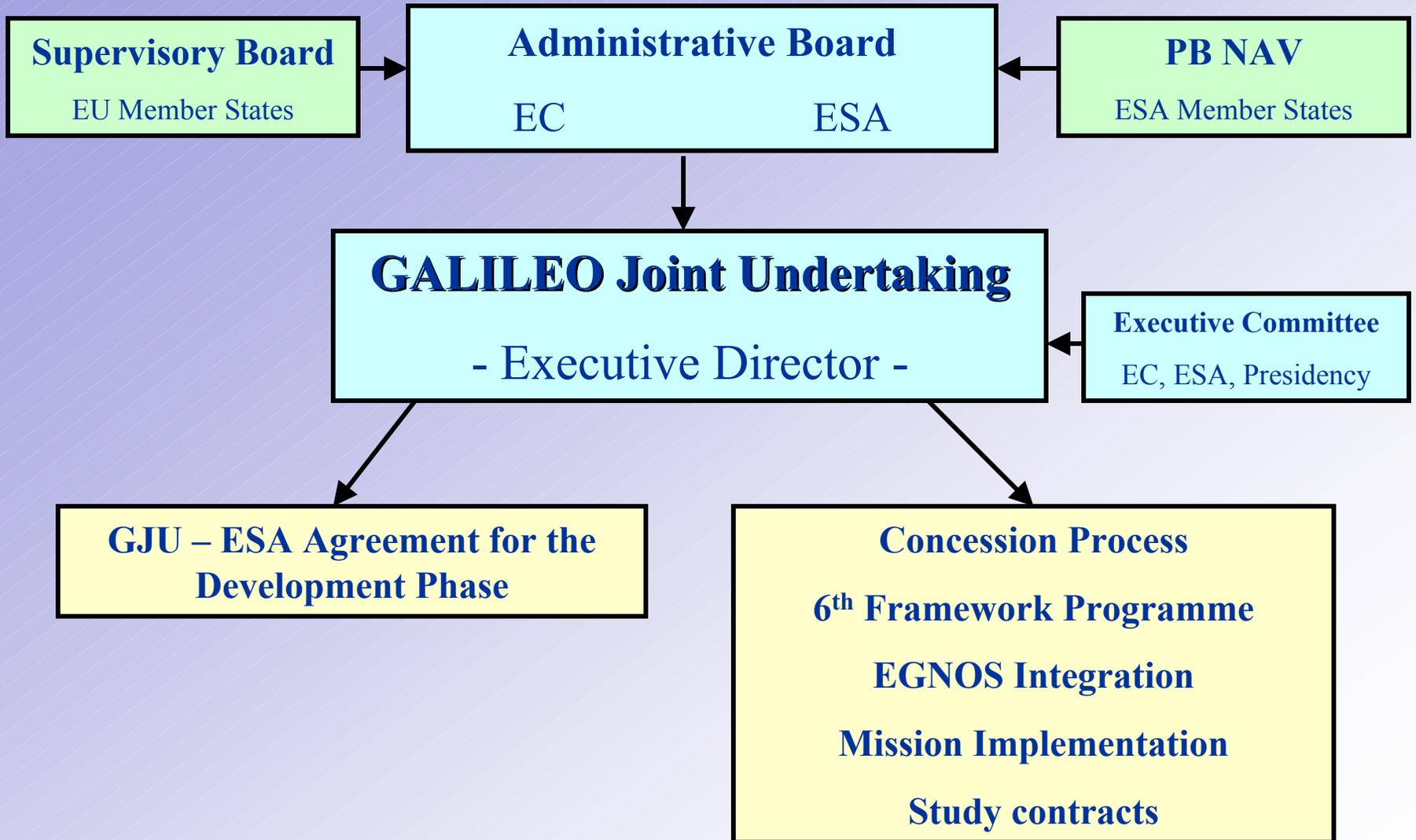
Service Providers



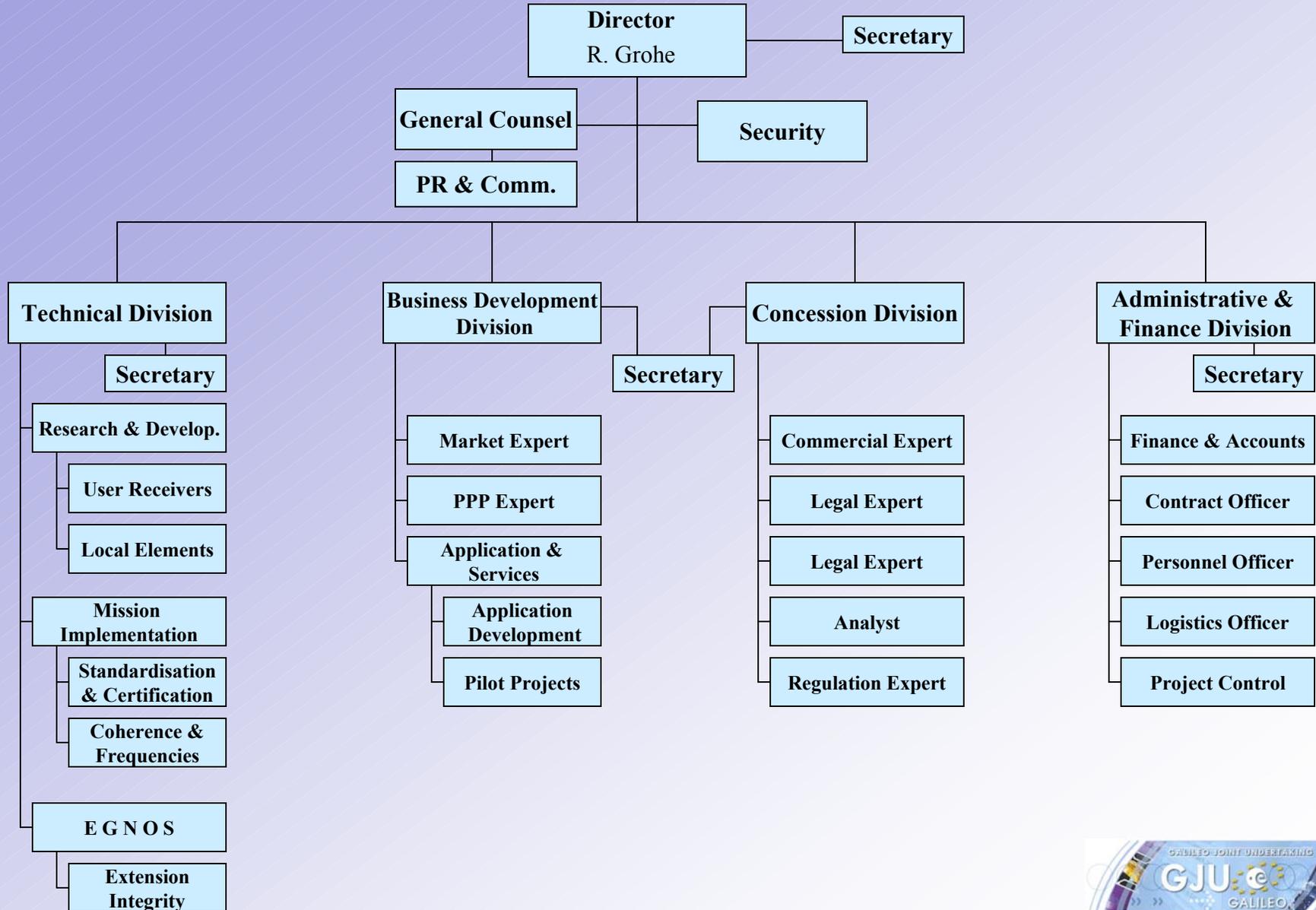
Search & Rescue



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The GALILEO Concession (1)

1. Phase

Invitation to Tender: 17. 10. 2003

Delivery of Offers: 05. 12. 2003

4 Offers received

Evaluation finalized, 3 Consortia retained

Information to Member States 06.02 . 2004

and Bidders

Concession Industry Info Day 09. 03. 2004

The GALILEO Concession (2)

2. Phase

Request for Proposals: *Late Spring 2004*

Competitive negotiated approach with pre-selected bidders from first phase

Consortia can regroup

Delivery of Offer / Business Plan: *Autumn 2004*

GJU Evaluation and Proposal for the preferred bidder: *Late 2004*

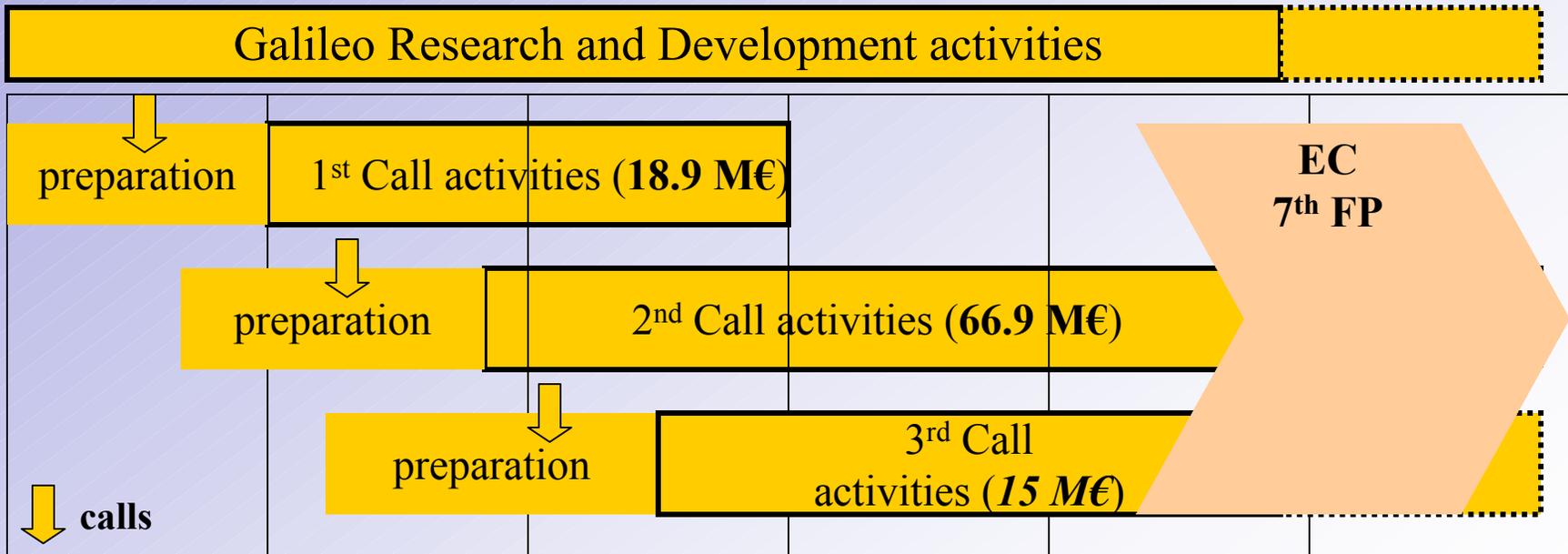
Contract Negotiations *2005*



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Master Schedule

EGNOS deployment		EGNOS operations			EGNOS evolution	
GALILEO development and validation			GALILEO deployment		operations	
2003	2004	2005	2006	2007	2008	
Concession process			GALILEO Concessionaire			



6th Framework Programme

- All Contractors of 1st call chosen,
Negotiations finalized
- Preparation of 2nd call
 - ❖ Amount: ~ 67 Mio €
 - ❖ *Area 1: User Segment development*
 - ❖ *Area 2: Mission Definition and Implementation*
 - ❖ *Area 3: Innovation and international initiatives*
 - ❖ Coordination with EC and Member States
 - ❖ Info Day early May 2004



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1st Call Outcome

(A) Receiver	Laben (I)	(100%)
(B) Local Element	Thales ATM (UK)	(100%)
(C) ADVANTIS	GMV (E)	(50%)
Integrity and service guarantee in non-aviation application		
(C) SCORE	Alcatel S.I. (F)	(50%)
E-112		
(C) VERT	Sinelec (I)	(50%)
Road Tolling		
(C) MARGAL	Kongsberg Seatex (N)	(50%)
Maritime: Harbor Docking and Inland Waterways		
(D) Application Market Development	ESYS (UK)	(100%)
(E) Mission Implementation	FDC (F)	(100%)

Total 18.9M€

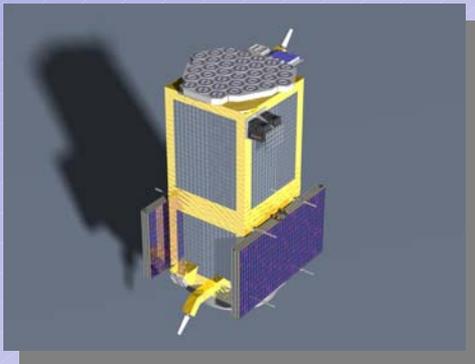
Integration of



- **Operational Readiness Review (ORR) soon**
- **Finding the “Economic Operator”**
- **Mission Requirement and Technical Evolution**
- **Service Extensions (enlarging the coverage area)**

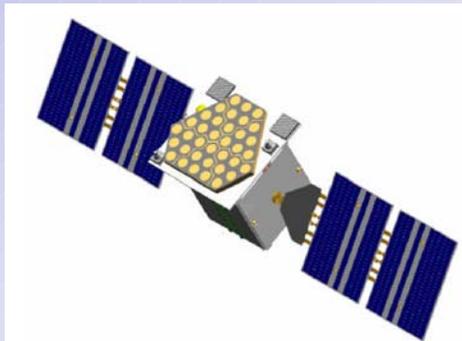
Technical Developments (ESA)

- Start of the Development Phase in the ESA Programme
- 2 Test Satellites & critical components under construction



Passive Hydrogen Maser

GSTB V2



The International Dimension

- ✚ EU & ESA Member States
- ✚ EU Accession Countries (> 1.5.2004)
- ✚ Mandate for Negotiations (EC)
U.S., Russia, China¹, Israel, India
- ✚ Interested Countries
Japan, South Korea, Australia, Brazil,...

¹ Agreement concluded

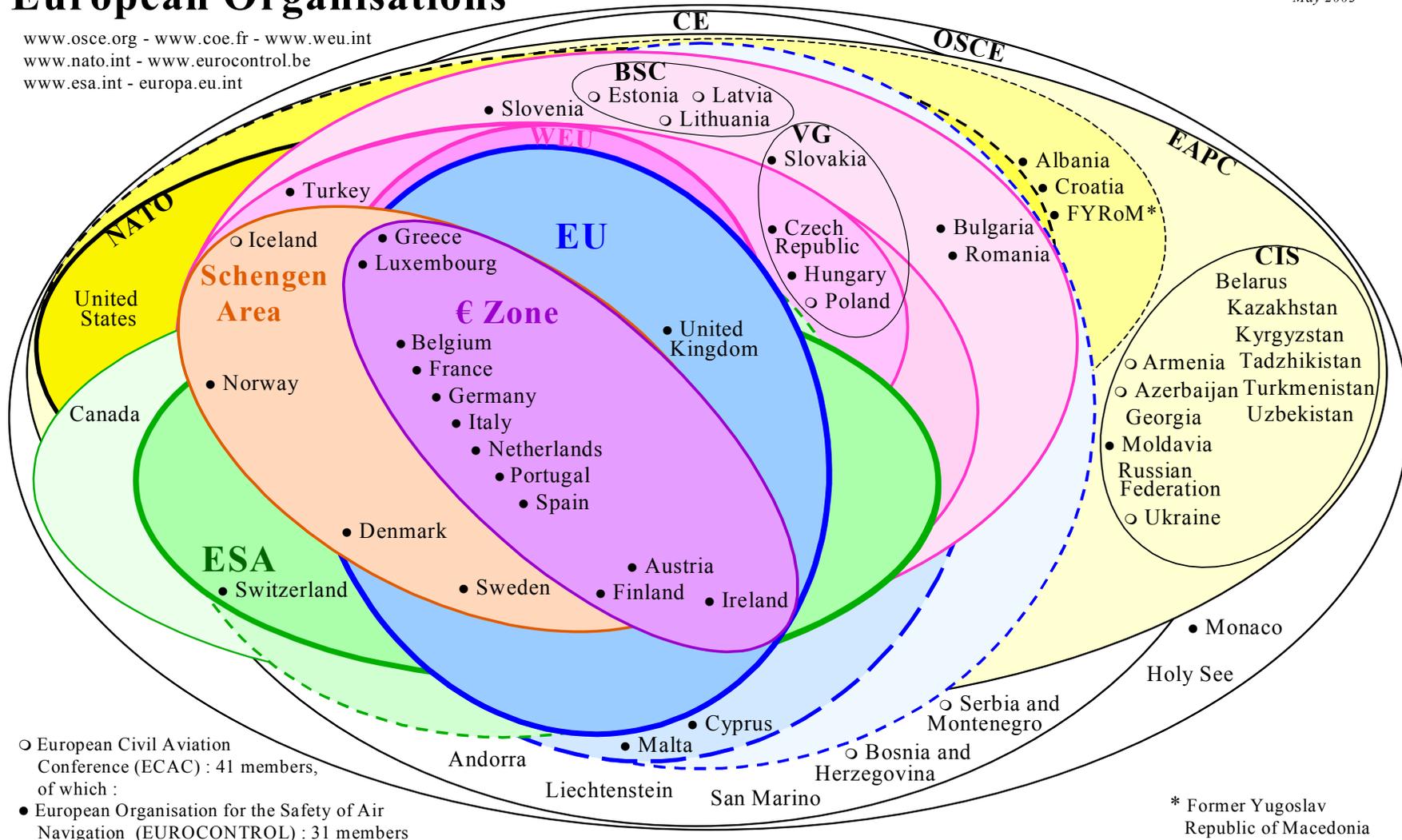


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European Organisations

May 2003

www.osce.org - www.coe.fr - www.weu.int
 www.nato.int - www.eurocontrol.be
 www.esa.int - europa.eu.int



- European Civil Aviation Conference (ECAC) : 41 members, of which :
- European Organisation for the Safety of Air Navigation (EUROCONTROL) : 31 members

* Former Yugoslav Republic of Macedonia

OSCE : Organisation for Security and Cooperation in Europe : 55 members **EU** : European Union : 15 members + 12 applicants **CE** : Council of Europe : 45 members
WEU : Western European Union : 10 members + 6 associates + 5 observers + 7 partners **NATO** : North Atlantic Treaty Organisation : 19 members + 10 applicants
ESA : European Space Agency : 15 members + 1 co-operating State **EAPC** : Euro-Atlantic Partnership Council : 46 members **Schengen Area** : 15 members
CIS : Commonwealth of Independent States : 12 members **€ Zone** : 12 members **VG** : Visegrad Group : 4 members **BSC** : Baltic States Council : 3 members

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Many Thanks ...

www.galileo-pgm.org

www.esa.int/navigation

www.galileoju.com