



COMMUNAUTÉ DES VILLES ARIANE
COMMUNITY OF ARIANE CITIES



CENTRE NATIONAL D'ÉTUDES SPATIALES

Programme included

SPACE TRANSPORTATION TRAINING COURSE

*Training course intended for teachers in middle and high schools
in member cities of the CVA (Community of Ariane Cities)*

**9, 10 and 11 July 2008,
Cité de l'Espace, Toulouse, France**

Course organised by the CVA, ISSAT and CNES,
supported by the Midi-Pyrénées Education Authorities,
and the Toulouse City Council.

TEACHER TRAINING is a priority recognised by CNES (the French Space Agency) which regularly organises 'Space Education Meetings', its summer Space studies programme designed for middle and high school teachers in the French education system.

The Community of Ariane Cities (1) became interested in this concept and as part of the REVA project (2) was inspired to give middle and high school teachers in European member cities of the CVA the opportunity of attending training in Space Transportation and to extend this possibility to scientific coaches of the appropriate level of ability.

The first Space Transportation training session, intended for teachers from CVA member cities, will be held on 9, 10 and 11 July 2008 at the Cité de l'Espace, in Toulouse, France.

The **CVA** offers participants:

- a three-day training course in French/English on Space Transportation (maximum 30 attendees) in the unique surroundings of the Cité de l'Espace (simultaneous translation of lectures and roundtable),
- local transport, for the various organised excursions,
- accommodation (4 nights including breakfast, from 8 to 12 July) within walking distance of the Cité de l'Espace,
- lunches and coffee breaks.

PARTNERSHIPS



MAIRIE DE  **TOULOUSE**
www.toulouse.fr



THE PROGRAMME

CNES is responsible for this new programme's educational aspects, which guarantee high-quality teaching led by respected speakers and experienced training facilitators.

Hereafter the programme for this CVA Space Transportation training course :

	8:30-10:00	10:30-12h30	12:30-14:00	14:00-16:30	17:00-18:00	Evening
9 July	9:00 : Welcome	Lecture 1 Ariane 5, a European Launcher: Ariane 5 Programme and main physical principles of a launcher (by CNES)	Break fast	Workshop 1 Building and launching of microrockets and/or water rockets (by Planète Sciences)		Opening Ceremony and Cocktail at Toulouse City Hall
10 July	Lecture 2 The launching in the future: the coming projects, the investigating technologies, the future projects for the access to space (by CNES)	Workshop 2 (group 1) Orbitography	Break fast	Visit of CNES premises	Visit (free) of the Cit� de l'espace	free
		Workshop 3 (group 2) Weightlessness				
11 July	Lecture 3 CSG, the European Space Port: Presentation of a launch base (ISSAT)	Workshop 2 (group 2) Orbitography	Break fast	Roundtable discussion : View on European Pedagogies	IMAX Show At the «Cit� de l'Espace»	free
		Workshop 3 (group 1) Weightlessness		Closure Session		

PRACTICAL INFORMATION

Target audience: Teachers from middle and high schools (*collèges* and *lycées*) and scientific coaches of the appropriate level of ability from member cities of the Community of Ariane Cities - The number of places is limited to 30 – The lectures and roundtable will be held in French or in English with simultaneous translation into the other language.

Dates: 9 to 11 July 2008

Venue: Cité de l'Espace (avenue Jean Gonord) – Toulouse - www.cite-espace.com
East Toulouse Ring road - Exit 17

Financial contribution: none

Terms: The organisers are responsible for all fees: training course, bus travel for local excursions, accommodation from 8 to 12 July (4 nights) at the HOTEL B&B, Impasse René Mouchotte - 31500 Toulouse (within walking distance of the Cité de l'Espace), breakfasts, lunches and coffee breaks. Only return transport to/from Toulouse and evening meals are to be paid for by the participants. (*Return transport fees to/from Toulouse may in some cases be subsidised by the CVA cities to which the participants belong.*)

Registration deadline: if possible by April 30, 2008

Registration form: For formal registration, the attached registration form must be completed and returned as soon as possible to the address of the 'Formation Transport Spatial CVA' secretariat given below. You will then receive confirmation of your registration by return mail.

Accommodation: Each participant is requested to confirm his/her arrival and departure dates when returning the registration form. (*Accommodation fees will not be paid if the participants choose to stay in a different hotel.*)

CONTACT

The secretariat is at your disposal for accepting registrations and hotel reservation confirmations, and can help if you require further information.

'Formation Transport Spatial CVA' Secretariat
ISSAT
2 avenue Edouard Belin
31400 Toulouse – France
e-mail: administration@education-cva.eu
tel: +33 (0)5 62 25 26 87 fax: +33 (0)5 62 25 26 86

REFERENCES

(1) *The Community of Ariane Cities (CVA) brings together municipal councils and groupings, which have a shared corporate and economic interest through **ARIANE Space transportation activities** (<http://www.ariane-cities.com/>).*

(2) *REVA (Educational Network of Ariane Cities) is a programme set up by the CVA with the support of the ISSAT Association (<http://www.issat.com>) which aims to encourage educational exchanges relating to Space activities within the CVA network, particularly via:*

- *the **REVA** internet portal, <http://www.education-cva.eu>,*
- *the CVA catalogue of Space-related training courses, <http://www.cva-space-training.eu/>,*
- *as well as this training course on Space Transportation.*



Registration Form
Space Transportation Training Course for CVA teachers
9, 10, 11 July, 2008 - Cité de l'Espace – Toulouse - France

Form to return if possible by April 30, 2008:

'Formation Transport Spatial CVA' Secretariat
ISSAT
2 avenue Edouard Belin
31400 Toulouse – France
e-mail: administration@education-cva.eu
tel: +33 (0)5 62 25 26 87 - fax: +33 (0)5 62 25 26 86
For any help please feel free to contact us!

This registration form must be accompanied by a copy of your passport or identity card

Personal information requested:

Mrs Ms Mr.

Last name First name.....
Occupation.....
Branch of Teaching.....
Type of educational establishment.....
Name of the establishment.....
Address.....
Postal code Town Country.....
e-mail

Personal Address
Postal code Town Country.....
Phone (home).....
Phone (mobile)
e-mail

The following confidential information is requested for accessing industrial sites. Each participant must present his identity card or passport to the guard at the entrance.

Birth date Passport or Identity card n°.....
Place of birth..... Passport or ID expiry date.....
Nationality

Hotel reservation confirmation:

I wish to confirm Hotel reservation at HOTEL B&B, Impasse René Mouchotte – Toulouse

From (Check-in) Jul/08/08 Other: To (Check-out) Jul/12/08 Other:

Your comments:

.....
.....

Place: Date: **Signature:**