



CIUDADES ARIANE

CVA 2010

“Con Madrid al Espacio”

Community of Ariane Cities 2010 Presidency Programme



**Community of Ariane Cities
2010 Presidency**

Programme

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PRESENTATION OF THE 2010 CVA PRESIDENCY PROGRAMME

It is a great honour for me to present the 2010 Community of Ariane Cities (CVA) Presidency Programme, which is held this year by Madrid thanks to the unanimous support and backing of all other cities that form part of this European association of municipalities sharing a connection based on their involvement in the European Space Transport sector.

When we joined the CVA, our aim was to show Madrid's unequivocal commitment with Space, both in Spain, where Madrid is the absolute leader in the sector, well ahead of all other Spanish cities; and in Europe, as Madrid is the second European city in terms of space sector relevance.

Yet, awareness of said facts, as relevant as they may be, still remains low, and thus one of the goals of our Presidency is to ensure that Madrid's society becomes well aware of the relevance of the Space sector for Madrid's economy, research and higher education. We also seek to help strengthen the Space sector Europewide, by working together with all other cities involved in this organization, and to whom we are so indebted for their support.

The CVA Madrid Presidency Programme is the product of a coordinated effort by a large number of institutional, business and civil society agents (listed in this volume). The programme features their contributions, which arise from their generosity and will to cooperate, and which have enabled us to put together a more comprehensive, diverse, and richer Programme. I would also like to thank, on behalf of the city of Madrid, all said actors, which are working hard to further enrich collective life in the capital city of Spain, as well as to increase the relevance of the Space sector in Spain and Europe.

Above all else, we specifically value the activities that focus on raising awareness of the relevance of Space among children and youth, as well as all contributions to their education and training in such a highly relevant sector for the future of Europe.

I have no doubt that the implementation of this programme will be as effective and open to participation as was its preparation, to ensure that its influence on Madrid's society leads to building the necessary awareness of the strategic significance of Space for the present and future of Madrid.

Alberto Ruiz-Gallardon
Mayor of Madrid

The Community of Ariane Cities (CVA)

CVA MEMBERS

The Community of Ariane Cities is a non-profit association founded and registered in France in 1998, and based at their Evry headquarters, not far from Paris.

The following cities are the current members of the CVA (including their respective industrial partners): Augsburg, Barcelona, Bordeaux-Metropoli, Bremen, Charleroi, Colleferro, Evry/Courcouronnes, C.R.P.G. (French Guyana), Kourou (French Guyana), Lampoldshausen, Les Mureaux, Liege, Madrid, Mulhouse, Ottobrunn/Taufkirchen, Toulouse, Vernon and Zurich.

Besides the councils and the industrial enterprises that operate within their territorial boundaries, major contributors to the design, manufacture and running of Ariane launchers, the CVA also enjoys the support and sponsorship of the entities in charge of running the European launcher programme, including the ESA (European Space Agency), the French National Centre of Space Studies (CNES), and many corporations including Arianespace, EADS and Thales Alenia Space.

GOALS:

- Pooling together municipalities and industrial companies that operate within their boundaries, to foster their participation in the European Arianespace launch programme.
- Raise awareness among citizens of the advantages that arise from running aerospace activities in their districts, and of the positive image enjoyed by participating cities Europe-wide.
- Highlighting the social and economic impact of the European Ariane space launchers, the benefits brought by the technological progress it represents, and the use of satellites for the purpose of improving the quality of life of and services provided to citizens.
- Helping young generations to discover the fascination of space exploration, and encourage them to specialize in space-related activities.
- Fostering education in connection with space and its intercultural aspects.
- Raising awareness of the fact that the Ariane programme was the major original trigger of successful European cooperation, as well as a source of transnational exchanges.
- Building the foundations for the establishment of a long-term cooperative relationship between Ariane cities, their schools, universities and industries.

- Presenting French Guiana as an integral part of Europe, and the European Spaceport in Kourou as a world reference for rocket launching and orbit phasing projects.

EDUCATION AND AWARENESS PROGRAMMES

SUMMER SCHOOL FOR ENGINEERING STUDENTS:

- Annual course designed for 30 Year 3-4 Engineering students, and for young graduates currently working in the Aerospace industry.
- Former students of these courses are gradually reaching the highest positions of responsibility in the European Space Transportation sector through their professional activities.
- A current theme in the Space Transportation sector is selected every year. Said theme is the focus of all presentations, workshops, technical tours and competitive projects designed and submitted by students.
- The course duration is 4 weeks, and it is run in July – August each year by the university of a CVA member city, in association with local businesses and sponsors.
- The programme also includes language courses, intercultural team workshops, and cultural activities.

SCIENCE HOLIDAY CAMPS FOR SECONDARY STUDENTS:

- Annual programme designed for 30 Secondary students (aged 15 - 17) from CVA member cities.
- Programme organized in association with the Planète Sciences Association and the French - German Youth Office (OFAJ-DFJW).
- During a July – August fortnight, participants will learn the basics of intercultural cooperation, the principles of small rocket and balloon design, and applicable launching systems.
- The programme includes cultural tours and activities, and is hosted each year by a different Ariane city.

INTERCULTURAL SEMINARS FOR SECONDARY STUDENTS:

- Under the slogan “Space for the Benefit of Humankind”, the CVA organizes a round of three one-week seminars, held in three different Ariane cities within a two-year term.
- Participants are 16 - 18-year old Secondary students from at least three different countries.
- Participants are instructed to keep in touch with each other and to continue their tasks during the two-year period.

- The programme informs and encourages participants to engage in research and reflect on the uses of space technology and related applications in several sectors including the following:
 - Satellite navigation and telecommunications.
 - Earth observation and meteorology for cartography, land planning and zoning, agriculture, environment, natural disasters, etc.
 - Science and discovery missions.
- The programme is sponsored by the French – German Youth Office (OFAJ-DFJW), and receives backing and support from sponsors based in the corresponding Ariane city venues.

SEMINAR FOR SECONDARY EDUCATION TEACHERS

Mathematics and Science teachers are offered the opportunity to exchange experiences for three days with other teachers and heads of education departments in relation to practices regarding the use of Space as a motivating factor in the classroom. The seminar involves the submission of practical Astronomy, Microrocket construction and launch projects, as well as conferences on Space and Space applications at the service of society.

CITY – LAUNCHER PARTNERSHIP

This programme offers Ariane cities the chance to sponsor the launch of an Ariane 5 rocket, by naming a specific launcher with the name of the city.

The city coat of arms and name are featured on the top section of the launcher. In addition, the programme includes information and leisure activities both locally and during the launch in Kourou.

Promotion activities involve information on the sponsor city included in the official launch programme, which is often broadcast in many countries worldwide.

SPECIFIC ACTIVITIES ORGANIZED BY EACH MEMBER CITY

Each member city can also run their own initiatives, and, as CVA members, have open access to the professional contact network to draw support for their own local citizen awareness, education and cultural activities.

Presidency's Activity Schedule

This Schedule includes the activities planned for the term of Madrid's Presidency of the Community of Ariane Cities (CVA) in 2010, broken down chronologically by months and, within each month, by theme sets. Four groups of activities are featured:

- *Presidency Central and Institutional Activities*
Institutional CVA board and department meetings, launches (22 January) Presidency Launch (22 January), International Conference on the Future of Space (20 & 21 May) and Closing Ceremony (21 December).
- *Education Activities*
Activities that focus essentially on raising awareness of and providing education on Space-related subjects and issues, which will be carried out in Madrid by all agents involved in this programme.
- *Science Activities*
Activities that target essentially any individuals who already have a basic knowledge of the sector and seek to further develop their scientific knowledge of Space.
- *Leisure Activities*
Activities designed specifically for public Space-related entertainment, including shows, film screenings and concerts.
- *Several other additional relevant activities*
Two major commemoration events (dates to be determined): the 30th anniversary of the first Ariane Rocket launch, and the Ariane Rocket Sponsorship Event in 2010 to commemorate Madrid's CVA Term of Presidency.

Finally, the Annual Schedule also includes a chart listing all planned institutional and central activities, as well as all other relevant or major popular events.

All major activities of any kind designed for the public at large, and which are expected to attract the interest of large sections of society, are marked ** .

In addition, the programme offers the contact details of every event organizer and partner, to enable anyone to request more in-depth and specific information on the activities included in this programme.

JANUARY

Central / institutional activities

- **Presidency Term Launch at the ETSIA (School for Advanced Aeronautics Engineering Studies)**

Friday 22 January noon - 1:30pm

Activity jointly organized by UPM and Madrid Global.

- * Presidency Programme Presentation.
- * Speeches by Mr Pedro Duque (ESA Astronaut) and Mr Gonzalo Galipienso (President of Pro Espacio).

Education activities

- School visits to the INTA (Torrejon de Ardoz) twice weekly.
- Visit to the Visitors Centre - Robledo de Chavela Space Communications Centre, Saturday and Sunday mornings.
- "School at the Planetarium" programme: Madrid Planetarium School Tours, during school terms, from Tuesday to Friday mornings. 3 daily sessions.
- School visits to the Visitors Centre - Robledo de Chavela Space Communications Centre.
- Madrid Planetarium public shows. 2 afternoon sessions from Tuesday to Friday, and 5 morning and afternoon sessions on Saturdays, Sundays and bank holidays (Closed to the public for two weeks in January).
- Master in Space Technology - Madrid Polytechnic University (UPM).
Launch: 11 January 5pm, with the participation of Madrid Global.
- Digital Planetarium
CosmoCaixa
Tuesday - Sunday sessions. AM: 11:30. PM: 12:30, 1:30 pm, 4:30, 5:30 and 6:30 (all year).

- Dome Planetarium
CosmoCaixa
Astronomy Activity for Beginners
School group sessions: Tuesday-Friday mornings /
afternoons.
All visitors: Saturdays and Sundays.
- Open public astronomical observations
CosmoCaixa.
23 January.

Leisure Activities

- "The Adventure of the Universe", a virtual online game created by Madrid Planetarium, Madrid Astronomy Association, CosmoCaixa and Google Spain (All year).

FEBRUARY

Central / Institutional Activities

- **Meeting of the Network of Educative Cities Ariane (REVA)**
24 February
- **CVA BUREAU (MADRID)**
24 - 25 February
Visit to the INTA headquarters.

Education Activities

- School visits to the INTA (Torrejón de Ardoz) twice weekly.
- Visit to the Visitors Centre - Robledo de Chavela Space Communications Centre, Saturday and Sunday mornings.
- EADS CASA ESPACIO Open Day, one Saturday 10am - 2pm.
- 2 conference guided tours to the THALES ALENIA SPACE SPAIN's facilities.
2 and 16 February.

- School visits to the Visitors Centre - Robledo de Chavela Space Communications Centre.
- Madrid Planetarium School Tours "School at the Planetarium": 3 daily sessions Tuesday - Friday (during school terms).
- Madrid Planetarium public shows. 2 afternoon sessions from Tuesday to Friday, and 5 morning and afternoon sessions on Saturdays, Sundays and bank holidays.

MARCH

Education Activities

- School visits to the INTA (Torrejon de Ardoz) twice weekly.
- Visit to the Visitors Centre - Robledo de Chavela Space Communications Centre, Saturday and Sunday mornings.
- EADS CASA ESPACIO Open Day, one Saturday 10am - 2pm.
- School visits al Madrid Planetarium "School at the Planetarium": 3 daily sessions Tuesday – Friday (during school terms).
- Introductory Course to Astronomy and Astrophysics
Madrid Planetarium.
2 - 25 March
- **** "A Voyage to Saturn" Exhibition Launch ****
Madrid Planetarium.
23 March
- School visits to the Visitors Centre - Robledo de Chavela Space Communications Centre.

- Madrid Planetarium public shows. 2 afternoon sessions from Tuesday to Friday, and 5 morning and afternoon sessions on Saturdays, Sundays and bank holidays.
- Open public astronomical observations
CosmoCaixa
26 March
- **** INTA-Sponsored Exhibition "LIVING IN SPACE" ****
Casa de Vacas (El Retiro Park).

APRIL

Central / Institutional Activities

- **GENERAL MEETING AND COUNCIL OF MAYORS (MADRID)**
21 - 22 April
Visit to the Robledo de Chavela Space Communications Centre (21 April).

Education Activities

- School visits to the INTA (Torrejón de Ardoz) twice weekly.
- Visit to the Visitors Centre - Robledo de Chavela Space Communications Centre, Saturday and Sunday mornings.
- EADS CASA ESPACIO Open Day, one Saturday 10am - 2pm.
- Viewing of the International Space Station (ISS) passing in front of the Sun, at schools and institutes (three workshops organized by INTA).
- School visits to the Visitors Centre - Robledo de Chavela Space Communications Centre.

- International Meeting “All You Can Fly” featuring projects by Engineering Students. Organized by LEEM - www.fly.leem.es
8 - 11 April
Colon Tourist Centre Conference Room
In partnership with the *Patronato Municipal de Turismo de Madrid* (Madrid Tourist Council Association).
- School visits al Madrid Planetarium “School at the Planetarium”: 3 daily sessions Tuesday – Friday (during school terms).
- Madrid Planetarium public shows. 2 afternoon sessions from Tuesday to Friday, and 5 morning and afternoon sessions on Saturdays, Sundays and bank holidays.

MAY

Central / Institutional Activities

- **CVA BUREAU (MADRID)**
18 and 19 May
Visit to the ESAC headquarters, European Space Agency (ESA).
- **INTERNATIONAL CONFERENCE ON THE FUTURE OF SPACE**
20 and 21 May
UPM Chancellor’s Office
(Organized by UPM – Madrid Global – EADS CASA ESPACIO - CDTI. UPM - Madrid Global Agreement).
Official Presentation of the *Madrid Inventory of Space Resources*.

Education Activities

- School visits to the INTA (Torrejon de Ardoz) twice weekly.
- Visit to the Visitors Centre - Robledo de Chavela Space Communications Centre, Saturday and Sunday mornings.

- EADS CASA ESPACIO Open Day, one Saturday 10am - 2pm.
- School visits at Madrid Planetarium "School at the Planetarium": 3 daily sessions Tuesday - Friday (during school terms).
- 2 conference guided tours to the THALES ALENIA SPACE SPAIN's facilities, plus talk.
5 and 19 May
- Education Week at ESAC, European Space Agency (ESA).
17 - 21 May
- School visits to the Visitors Centre - Robledo de Chavela Space Communications Centre.
- Madrid Planetarium public shows. 2 afternoon sessions from Tuesday to Friday, and 5 morning and afternoon sessions on Saturdays, Sundays and bank holidays.

Science Activities

- Round of Conferences on Space Technology: "From the Earth to Space: last frontier technologies", organized by CosmoCaixa in partnership with EADS CASA ESPACIO.
CosmoCaixa.
Tuesday 4 May, 7:30pm: Earth Observation Satellites.
Tuesday 11 May, 7:30pm: Scientific Space Missions.
Tuesday 18 May, 7:30pm: Telecommunication Satellites / Constellations for Navigation.
Tuesday 25 May, 7:30pm: Interplanetary Spacecraft / Life in Space.
- Conference on "The Effects of a Satellite Blackouts in Space", by Fernando Doblas (European Space Agency (ESA)). Organized by Planetarium / EADS CASA ESPACIO/ ESA.
Madrid Planetarium.

Leisure Activities

- **** Photographic exhibition on space and sustainable development at the AXA Foundation-sponsored Book Fair, in association with Madrid Global, European Space Agency (ESA) and LUNWERG Publishing House ****

Theme: Space and Sustainable Human Development. The entire exhibition will be relocated to the Alhambra of Granada.

- Launch of book published by Lunwerg Editores, featuring the photographs exhibited at the Book Fair.

JUNE

Central / Institutional Activities

- **Roundtable on “European Space Geostrategy”.
CESEDEN
Organized by: EADS CASA ESPACIO and INTA.**

Education Activities

- Astronomy course at CosmoCaixa.
- School visits at Madrid Planetarium “School at the Planetarium”: 3 daily sessions Tuesday – Friday (during school terms).
- Visit to the Visitors Centre - Robledo de Chavela Space Communications Centre, Saturday and Sunday mornings.
- School visits to the Visitors Centre - Robledo de Chavela Space Communications Centre.
- 19 June: Public Telescope Observation Day. Madrid Planetarium.

- 27 June - 23 July: CVA Summer Course on "Space Transport in Europe" for Engineering students. Bordeaux (France).
- Madrid Planetarium public shows. 2 afternoon sessions from Tuesday to Friday, and 5 morning and afternoon sessions on Saturdays, Sundays and bank holidays.

Science Activities

- Round of Conferences on Space Technology: "From the Earth to Space: last frontier technologies", organized by CosmoCaixa in partnership with EADS CASA ESPACIO. (Continued).
Tuesday 1 June, 7:30pm: Satellite Control From Earth.

JULY

Education Activities

- Visit to the Visitors Centre - Robledo de Chavela Space Communications Centre, Saturday and Sunday mornings.
- **"Satellite Navigation" Contest Space Camp. Cercedilla (40 participants).**
1 - 7 July
Activity jointly organized by INTA and the Madrid City Council's General Directorate of Education & Youth Affairs.
- **CVA Science Holiday Camp Cercedilla (30 participants)**
1 - 10 July
In association with the Madrid City Council's General Directorate of Education & Youth Affairs.
- "Space in the Classroom" seminar for Secondary Education teachers, run by the CVA in Bremen (Germany).
19 - 21 July
- Summer Course at CosmoCaixa.
5 - 30 July

- Madrid Planetarium public shows. 2 morning sessions and 2 afternoon sessions Tuesday - Sunday.
- Open public astronomical observations.
CosmoCaixa.

Leisure Activities

- "Space Movies" Cycle featuring 14 films.
(2010 Fescinal Summer Movie Season, 2010 La Villa Summer Festivals).
Parque de la Bombilla Park.
1 - 8 July (10:30pm - Midnight)

AUGUST

Education Activities

- Madrid Planetarium public shows. 2 morning sessions and 2 afternoon sessions Tuesday - Sunday.
- Open public astronomical observations.
CosmoCaixa.

SEPTEMBER

Central / Institutional Activities

- **CVA BUREAU
(LES MUREAUX, FRANCE)**
23 and 24 September.

Education Activities

- Visit to the Visitors Centre - Robledo de Chavela Space Communications Centre, Saturday and Sunday mornings.

- **** “Mission to the Universe” Programme Opening ****
Madrid Planetarium
23 September
- School visits at Madrid Planetarium “School at the Planetarium”: 3 daily sessions Tuesday – Friday (during school terms).
- Madrid Planetarium public shows. 2 morning sessions and 2 afternoon sessions Tuesday - Sunday.
- “Space, Satellites and Social Welfare” Cycle, organized by THALES ALENIA SPACE SPAIN and Madrid Planetarium.
Madrid Planetarium.
Dates:
14 September: “Space – A Source of Knowledge”
16 September: “Satellites and Satellite Applications”
21 September: “Satellites as a Source of Knowledge, Labour and Social Welfare”
23 September: “Climate Change and Satellites”

Leisure Activities

- **** Concert “Bach to the Universe / From Bach to the Stars” ****
 - **Performers:**
 - * Violin: Ara Malikian
 - * Cello: Sergei Mesropian
 - * Guitar and Narration: Telmo Fernandez
- Madrid *Plaza Mayor* (open to the public)
Friday 10, 9:30pm – 11pm
In association with the European Space Agency (ESA).

OCTOBER

Central / Institutional Activities

- **GENERAL MEETING AND COUNCIL OF MAYORS (MADRID)**
6 and 7 October
Visit to the EADS CASA ESPACIO Headquarters.

Education Activities

- School visits to the INTA (Torrejón de Ardoz) twice weekly.
- School visits to the Visitors Centre - Robledo de Chavela Space Communications Centre.
- INTA (Torrejón de Ardoz) open door day for all publics on Fridays.
- Visit to the Visitors Centre - Robledo de Chavela Space Communications Centre, Saturday and Sunday mornings.
- 2 conference guided tours to the THALES ALENIA SPACE SPAIN's facilities, plus talk.
5 and 19 October
- Madrid Planetarium School Tours "School at the Planetarium": 3 daily sessions Tuesday – Friday (during school terms).
- Madrid Planetarium Public Shows. 2 afternoon sessions from Tuesday to Friday, and 5 morning and afternoon sessions on Saturdays, Sundays and bank holidays.

Science Activities

- Madrid Planetarium Autumn Season Round of Conferences.
28 October

NOVEMBER

Education Activities

- School visits to the INTA (Torrejon de Ardoz) twice weekly.
- School visits to the Visitors Centre - Robledo de Chavela Space Communications Centre.
- INTA (Torrejon de Ardoz) open door day for all publics, two Fridays per month.
- Visit to the Visitors Centre - Robledo de Chavela Space Communications Centre, Saturday and Sunday mornings.
- ESAC Education Week, European Space Agency (ESA).
- S-3 Conference: Spanish Space Students. Theme: Space and Microgravity Research.
Organized by LEEM
24 - 26 November
Fernan Gómez Theatre House, Art Centre.
- 2 conference guided tours to the THALES ALENIA SPACE SPAIN's facilities, plus talk.
3 and 17 November
- Madrid Planetarium School Tours "School at the Planetarium": 3 daily sessions Tuesday – Friday (during school terms).
- Madrid Planetarium public shows. 2 afternoon sessions from Tuesday to Friday, and 5 morning and afternoon sessions on Saturdays, Sundays and bank holidays.
- Open public astronomical observations.
CosmoCaixa.

Science Activities

- Madrid Planetarium Autumn Season Round of Conferences.
4, 11, 18, 25 November

DECEMBER

Central / Institutional Activities

- **MADRID PRESIDENCY CLOSING CEREMONY**
21 December 11:30am – 12:30pm
* Featuring the participation of ESA astronauts.

Education Activities

- School visits to the INTA (Torrejón de Ardoz) twice weekly.
- Visit to the Visitors Centre - Robledo de Chavela Space Communications Centre, Saturday and Sunday mornings.
- School visits to the Visitors Centre - Robledo de Chavela Space Communications Centre.
- School visits at Madrid Planetarium "School at the Planetarium": 3 daily sessions Tuesday – Friday (during school terms).
- Madrid Planetarium public shows. 2 afternoon sessions from Tuesday to Friday, and 5 morning and afternoon sessions on Saturdays, Sundays and bank holidays.
- Open public astronomical observations.
CosmoCaixa.

FURTHER ACTIVITIES

- **** 30th Anniversary of the first Ariane Rocket Launch.
Giant screen video show in association with the ESA

In association with Astrium

- **** City of Madrid Sponsorship of an Ariane rocket
launched by Arianespace **
November / December 2010**

Summary chart of activities (institutional, central and most relevant)

	January	February	March	April	May	June
Institutional and Central Activities	<p>Presidency Term Launch at the ETSIA (School for Advanced Aeronautics Engineering Studies) Friday 22 January noon-1:30pm Activity jointly organized by UPM and Madrid Global.</p>	<p>Meeting of the Network of Educative Cities Ariane (REVA) 24 February</p> <p>CVA BUREAU (MADRID) 24 & 25 February</p>		<p>GENERAL MEETING AND COUNCIL OF MAYORS (MADRID) 21 & 22 April</p>	<p>CVA BUREAU (MADRID) 18 & 19 May</p> <p>INTERNATIONAL CONFERENCE ON THE FUTURE OF SPACE 20 & 21 May Venue: UPM Chancellor's Office (Organized by UPM – Madrid Global – EADS CASA ESPACIO - CDTI. UPM - Madrid Global Agreement). Official Presentation of the <i>Madrid Inventory of Space Resources.</i></p>	<p>Roundtable on "European Space Geostrategy". Venue: CESEDEN Organizers: EADS CASA ESPACIO and INTA.</p>
Other relevant activities		<p>30th Anniversary Celebration of the first Ariane Rocket Launch. Giant screen video show in association with the ESA</p>	<p>INTA-Sponsored Exhibition "LIVING IN SPACE" Venue: Casa de Vacas (El Retiro Park).</p> <p>"A Voyage to Saturn" Exhibition Launch ** 23 March Venue: Madrid Planetarium.</p>		<p>Photographic exhibition on space and sustainable development at the AXA Foundation-sponsored Book Fair, in association with Madrid Global, European Space Agency (ESA) and LUNWERG Publishing House</p>	

	July	August	September	October	November	December
Institutional and Central Activities	<p>"Satellite Navigation" Contest Space Camp. Cercedilla (40 participants). 1 - 7 July Jointly organized by INTA and the Madrid City Council's General Directorate of Education & Youth Affairs</p> <p>CVA Science Holiday Camp Cercedilla (30 participants) 1 - 10 July In association with the Madrid City Council's General Directorate of Education & Youth Affairs.</p>		<p>CVA BUREAU (LES MUREAUX, FRANCE) 23 & 24 September</p>	<p>GENERAL MEETING AND COUNCIL OF MAYORS (MADRID) 6 & 7 October</p>		<p>MADRID PRESIDENCY CLOSING CEREMONY 21 December 11:30am - 12:30pm Cocktail party: 12:40pm Featuring the participation of ESA astronauts.</p>
Other relevant activities			<p>Concert "Bach to the Universe / From Bach to the Stars" Madrid <i>Plaza Mayor</i> Friday 10, 9:30pm - 11pm In association with ESAC.</p> <p>"Mission to the Universe" Programme Opening 23 September Venue: Madrid Planetarium</p>		<p>City of Madrid Sponsorship of an Ariane rocket launched by Arianespace November / December 2010</p>	

Task Force

Madrid City Council - Madrid Global

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CosmoCaixa

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Acronyms

CVA	Communauté des Villes Ariane (Community of Ariane Cities)
CDTI	Centre for the Development of Industrial Technology
EADS	European Aeronautic Defence and Space Company
ESA	European Space Agency
ESAC	European Space Astronomy Centre
ETSIA	School for Advanced Aeronautics Engineering Studies
INSA	Ingenieria y Servicios Aeroespaciales, S.A. (Aerospace Engineering & Services)
INTA	Spanish National Institute for Aerospace Technology
LEEM	Laboratory for Space and Microgravity Research
UPM	Madrid Polytechnic University

Logos de las entidades participantes



