

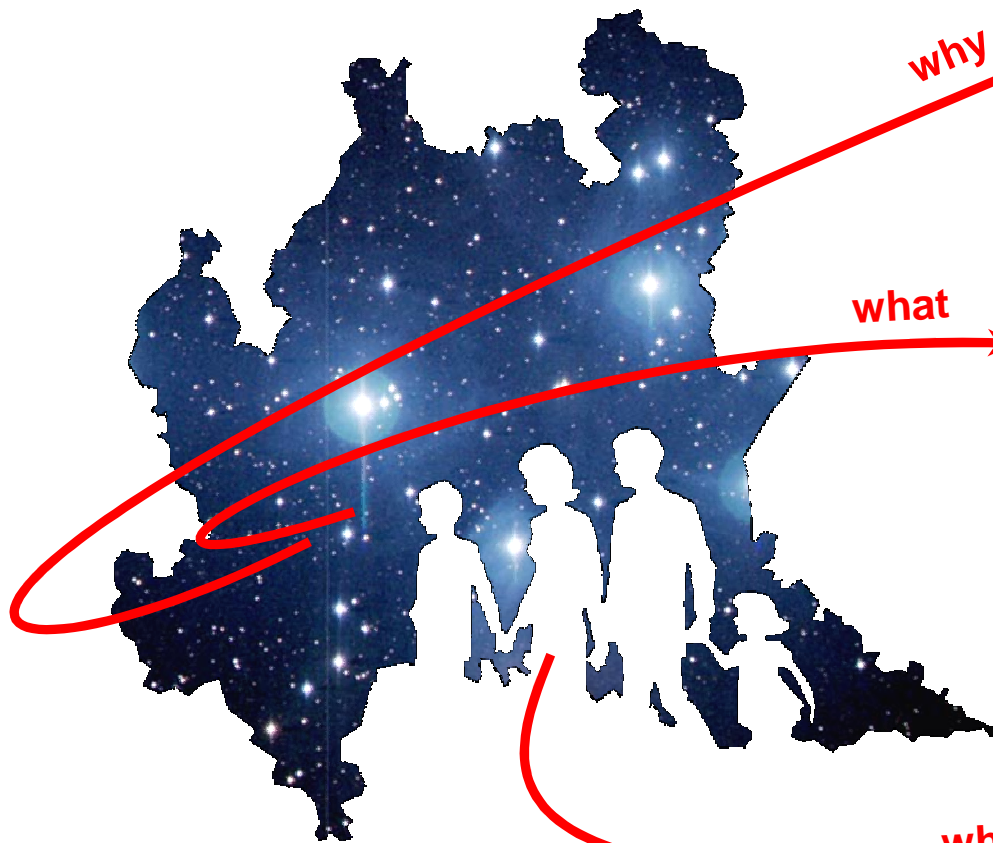
The Lombardia Region Exploratorium Project

19 October 2011 - Turin

Bring Space to People



Space Exploration Promotion



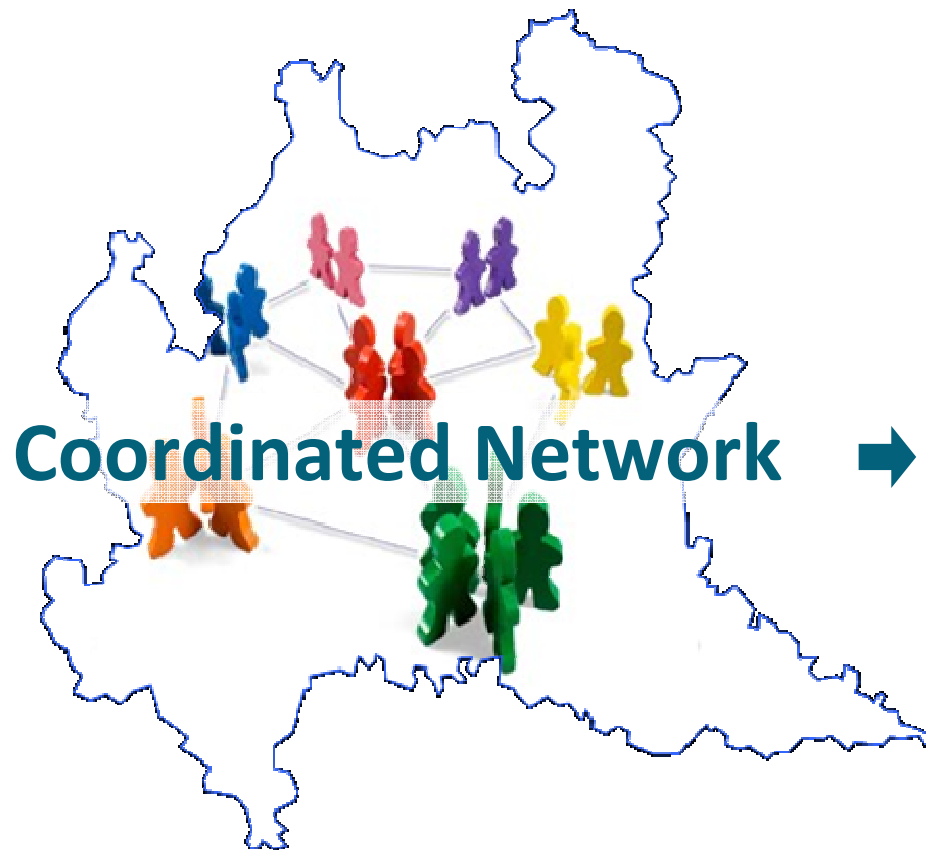
Incentive the Public Interest
Introduction to Space Science
and Engineering
Understand the Space Activities
role in every-day life
Inspire the Next Generation

Lectures
Courses
Permanent Exhibits
Temporary Exhibits
Direct/Interactive Experiences
Laboratories
Guided Tours
Events

EXPLORATORIUM

Generic Public
Families
Students
Enthusiasts
Professionals

The Region Network



Promotion Enhancement

- Long-view Strategy
- Local scope
- Permanent promotion
- Better knowledge of regional resources

Integrated Dissemination Process

- Multiple Discipline
- Complementary Path
- Exploit Specific Skills

Cooperating Network

- Common objectives and view
- Discussion Table
- Sharing of Resources

Reference Point

The Actors



Lombardia Region Exploratorium is at its first step.



Astronomical Observatories
Museums
Cultural Associations
Aerospace Industries
Universities
Research Institutes



- Volandia – Parco e Museo del Volo
- Osservatorio Astronomico di Brera - INAF
- Museo Nazionale della Scienza e della Tecnologia, Milano
- Planetario di Milano
- CGS S.p.A.
- DIA-Politecnico di Milano
- Dipartimento di Fisica Occhialini, Università Bicocca di Milano

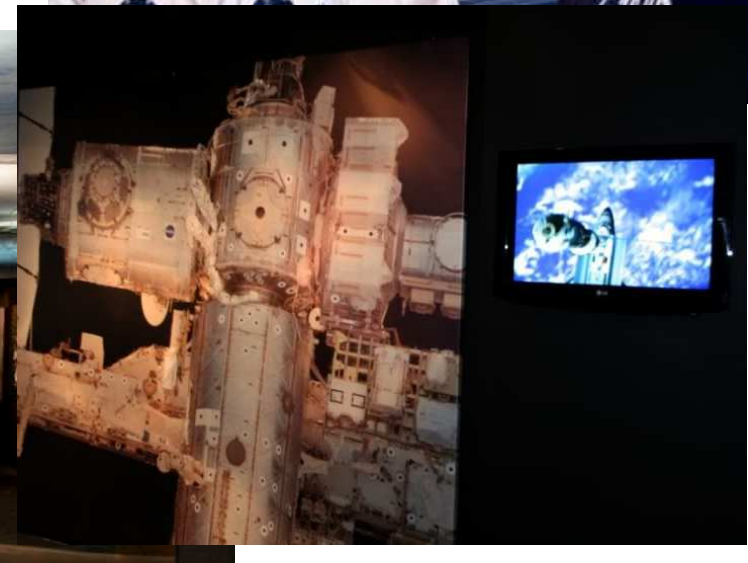
Volandia – Parco e Museo del volo



Volandia is an aerospace park and museum located in Somma Lombardo (Va) born in 2010 and offering 11 different exhibition/interactive areas on aeronautics and space.

Current Interactive Exhibit:

- Exposition of aeronautics and astronautics stuffs.
- Exposition of spacecraft mock-ups: former and current space missions representative for the fundamental steps of the human kind in space.
- Experience the ISS in 3D room.
- Dedicated laboratories and games for children.



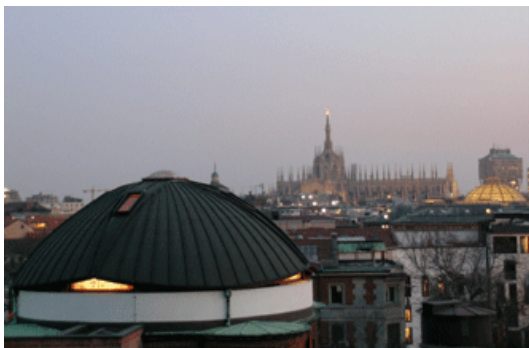
Osservatorio Astronomico di Brera INAF



The **Brera Observatory**, located in Milano and in Merate (LC), a world top research institute with specialized and professional people in order to communicate the scientific knowledge, is the repository of many different observation instruments, many of them still active and exploited during visitors' tours.

Current Interactive Exhibit:

- Historical archive and library on astronomy.
- Public Lectures.
- Public astronomy courses.
- Seminars.
- Guided night-time observation of sky.
- Guided tours to observatories.
- Didactic laboratories.
- Dedicated activities for schools.



Museo Nazionale della Scienza e della Tecnologia



The **Museo Nazionale della Scienza e della Tecnologia**, located in Milano, is the largest science and technology museum in Italy, with 23000 sqm dedicated to science and technology permanent and temporary exhibitions.

Current Interactive Exhibit:

- Temporary exhibitions.
- Public lectures.
- Meetings with Astronauts.
- Didactic laboratories.
- Permanent exhibitions of astronomical instruments.
- Guided visits.



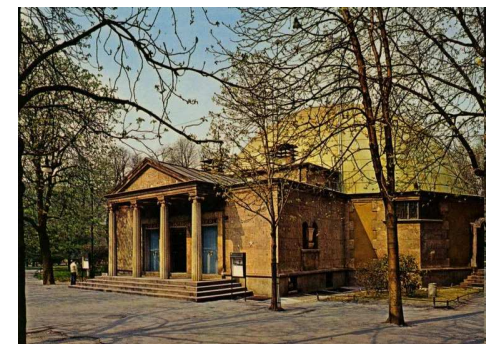
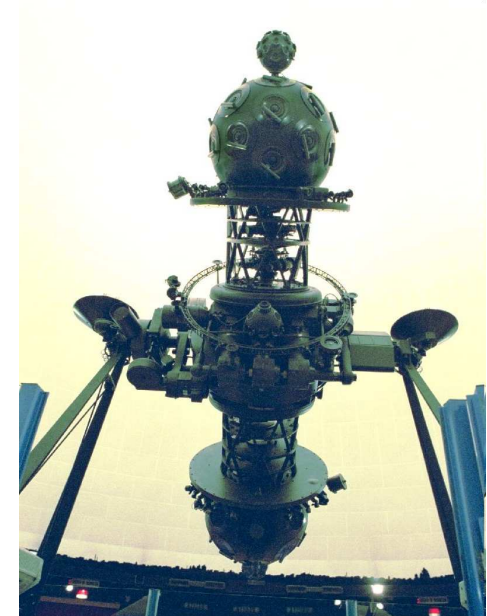
Planetario di Milano



The **Planetario di Milano** offers a 20 mt hemisphere (largest in Italy) with a complex projection system to reproduce the night sky in any kind of conditions, and is used for the astronomy teaching and divulgation.

Current Interactive Exhibit:

- Night sky exhibition.
- Guided observation of the night sky.
- Lectures on astronomical topics.
- Courses on astronomical topics.
- Dedicated activities for schools.
- Dedicated events for child, like performances and fairy tales.
- Theatre/musical performances.
- Online distribution of teaching materials for schools.
- Online distribution of lectures podcasts.



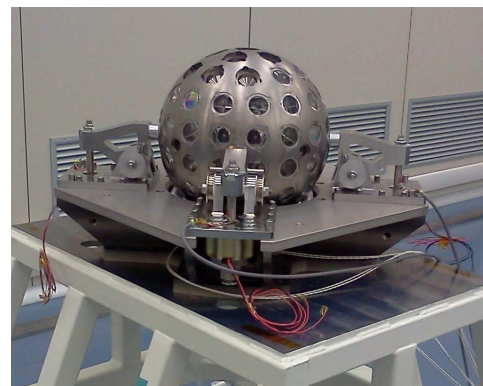
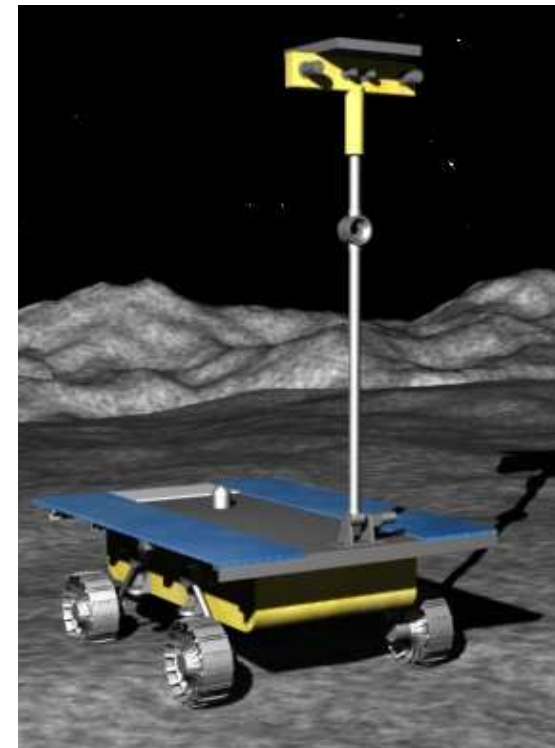


The **CGS SpA - Compagnia Generale per lo Spazio, an OHB Company**, is a leading company in Italy in the field of space systems design, development and integration. CGS core are small satellites, space infrastructures and payloads for scientific and application missions. The development of innovative technologies necessary to enable future exploration missions is one of CGS priorities.



Current Space Promotional Initiatives:

- Public lectures.
- Exhibitions sponsorships.
- Courses.
- Online space systems demonstration videos.

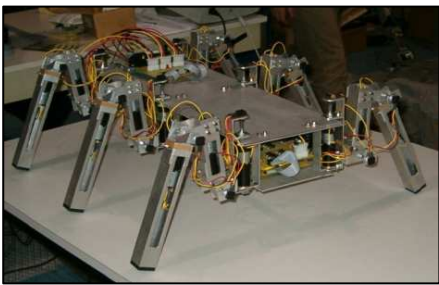


Proposed/Potential Activities:

Guided tours to CGS facilities and spacecraft systems integration



The **DIA-POLIMI – Dipartimento di Ingegneria Aerospaziale** is a leading Academy in Italy in the field of Aerospace. PoliMi provides Master and Ph.D.level courses for Space Engineering and Ph.D.graduation. Scientific and technical expertise covers a broad range of topics, from astrodynamics to space system design, from robotics to intelligent systems, from dynamics control to smart materials design and testing.



Current Space Promotional Initiatives:

- Open seminars on space topics.
- Invited lectures with space related scientists, engineers, astronauts.
- Summer schools for High school students.
- Summer workshops coordinated with local industries.
- Labs tours.
- Temporary exhibitions



Proposed/Potential Activities:

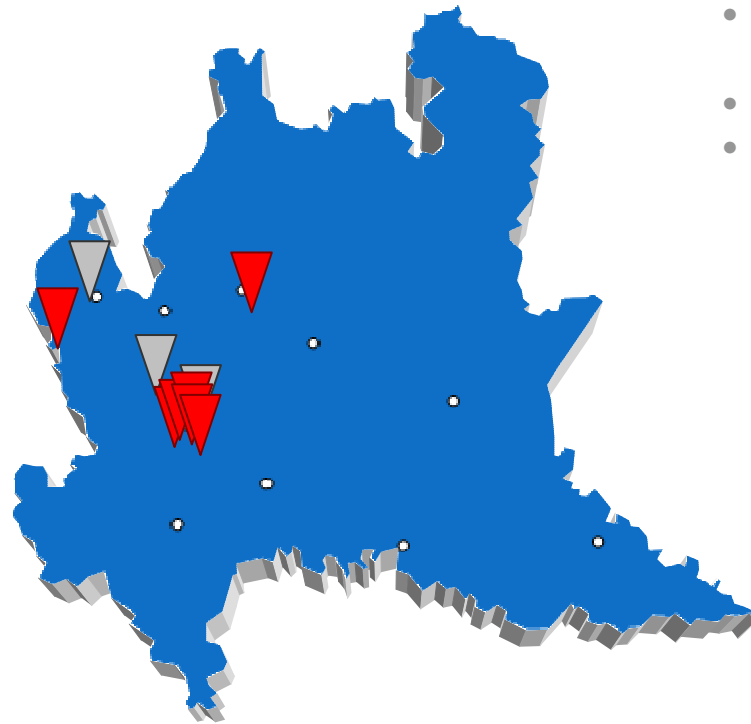
- Interactive divulgation courses on space technology development, strongly coordinated with the net members

Exploratorium Potential Growth



Core Partners

- Volandia – Parco e Museo del Volo
- Osservatorio Astronomico di Brera
- Museo Nazionale della Scienza e della Tecnologia
- Planetario di Milano
- CGS S.p.A.
- DIA-Politecnico di Milano
- Dipartimento di Fisica Occhialini, Università Bicocca di Milano



Potential Additional Partners

- INAF – IASF, Istituto di Astrofisica Spaziale e Fisica Cosmica, Milano
- Osservatorio Astronomico G.V.Schiaparelli, Varese
- Selex-Galileo, Nerviano
- ...



see you in the Space...