HOW TO COMMUNICATE THE SPACE

Outreach and educational activities

7 september 2015
TRAINING ACTIVITIES

The Italian Space Agency promotes the education and professional growth of young people and supports post graduate programs for young professionals in the field of space and science technologies.

ASI activities in this field include:

- Communication activities and Educational events
- Education
- Post graduate Programs
COMMUNICATION AND EDUCATIONAL EVENTS

Samantha Cristoforetti’s Mission...

ARISS
Amateur Radio on the International Space Station

...and more

giornalisti Nell’erba®
IL GIORNALE DEI GNE

Evento finale edizione 2014-2015
Agenzia Spaziale Italiana, Roma
Aprile 2015

TAUP
2015
Torino
DIDACTIC TOOLS

Educational game

Didactic Kit

Puzzle 3D

8 INTERACTIVE APPLICATIONS

Science comics

Cartoon movie

The Rosetta Mission
SAMANTHA CRISTOFORETTI
Mission Futura

- Samantha Cristoforetti
  ESA astronaut Italian nationality

- Education program developed by ASI
- Focus on Italian students - activities performed in Italian.

- Activities
  - LISS Program
  - Mission X - Train like an Astronaut
LESSONS ON ISS (LISS)

A pilot Educational program developed by ASI for High School students (14/17 years old)

Objectives:
- Familiarize students with the space environment, Exploration and the ISS;
- Explain the effects of space travel on human being and some of research activities performed by astronauts on ISS

A book has been realized and distributed to the schools involved
MISSION X
Train like an astronaut

The Italian Space Agency coordinates in Italy "MISSION X - TRAIN LIKE AN ASTRONAUT" an international educational project designed to communicate to young people between 8 and 12 years old the importance of exercise and proper nutrition, in order to create a healthier society.
MISSION X
Background and objectives

Background:
Mission X is a global yearly program run by several space agencies aimed at encouraging youngsters to be physically active and learn about nutrition.

The World Health Organization has designated childhood obesity as one of the most serious public health challenges of the 21st century and diet, physical activity, and health are the best answers to this largely preventable problem.

Objectives:
• Aims to familiarize students with the space environment and some of the activities performed by astronauts on ISS
• Aims to introduce the importance of healthy diet and fitness to be in good health and in good shape
• Link the themes addressed to the curricula of e.g. science and fitness

Mission X involves primary and middle schools in Italy (students 8 to 12 years old)
POST GRADUATE PROGRAMS

- **Scholarships**: Support activities performed within entities in Italy or abroad that have operating agreements with ASI (Master, course of specialization etc.)

- **Research Fellowships**: in areas that are indispensable to the success of a national Space System, recipients are active at ASI headquarters as well as at Centers and Institutes for Space Research in Italy and abroad;

- **Internships**: located at ASI headquarters or within contexts of international excellence (e.g. UN_OOSA);

- **International Post-graduate Education**: ASI started programs of collaboration with Argentina, for the Master in “Aplicaciones Espaciales de Alerta y Respuesta Temprana a Emergencias”, and with China, for the joint project “Moon Mapping”. There are also programs ongoing with the European Space Policy Institute, the International Space University, NASA and with CERN.
THE ASI’S PURPOSES IN SCIENTIFIC OUTREACH

- ASI HAS A KEY ROLE IN EUROPE
- ASI IS STRONGLY INVOLVED IN ACTIVITIES OF EDUCATION
- IN THIS WAY IT CAN EXHIBIT ITS MOCK-UP, DISPLAY PANELS AND MULTIMEDIA PRODUCTS

7 september 2015
LET EVERYBODY KNOW
THE IMPORTANCE OF AEROSPACE

7 september 2015
AN EXAMPLE: Researcher’s Nights

HANDS ON, MINDS ON

7 september 2015
SCIENCE MUSEUMS IN ITALY

7 september 2015
ASTRONOMICAL OBSERVATORIES IN ITALY

INAF

Giacconi et al., 1963

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JOINT COLLABORATIONS FOR SPECIFIC MISSIONS

7 september 2015
ITALY: A COUNTRY OF CONTRADICTIONS AND DEEP DIFFERENCIES

Credit: G. Pesce EXPO 2015
ROSETTA MISSION’S EXHIBITION

IT’S AN EXAMPLE OF A TRAVELLING EXHIBITION

7 september 2015
GOOGLE AND THE PHILAE LANDING

7 september 2015
ROSETTA EXHIBIT: WHEN SCIENCE BRINGS TOGETHER EUROPE

A FRENCH-ITALIAN-GERMAN EVENT AT THE FRENCH EMBASSY IN ROME

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A CONCRETE EXAMPLE: WHEN SCIENCE MEETS ART

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FAENZA AND THE ART OF POTTERY
WHEN THE SCIENCE MEETS HANDICAP

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ROSETTA EXHIBITION IN VALLE DEI TEMPLI

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ROSETTA EXHIBITION GOES ON..

FROM NORTH TO SOUTH, STAR-PARTY IN VAL D’AOSTA AND EXHIBITION AT “MALDIVE DEL SALENTO”

7 september 2015
... AND THE RESEARCHER NIGHT

Rome, Asi headquarters, September 25.
With also the participation of two astronauts:

MAURIZIO CHELI  UMBERTO GUIDONI
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Italian Space Agency, the login-in for space.

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Thanks for the attention!!!!