FROM THE EARTH TO THE STARS

TRAVELLING EXHIBITION



PRODUCED BY

TOULOUSE Cité de l'espace

Toulouse

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Observation of the Earth, medical and technological research, telecommunications, exploring the solar system, space tourism, political issues… more than ever, space is a major issue for our society.

“From the Earth to the Stars” leads visitors, whatever their age and their level of knowledge, on a fun interactive exploration of the world of space.

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TRAVELLING EXHIBITION

“From the Earth to the Stars” is an interactive exhibition providing a trail punctuated by **6 thematic islands:**
-Living in Space
-Going to Space
-Observing the Earth
-Exploring the Solar System
-Discovering the Universe
-Experience Space, an island specially dedicated to scientific and participatory experiments

> The exhibition also presents **real and new space objects, thus ensuring a balance between content, models, real objects and animations.**

The diversity of its contents allows numerous thematic workshops to be conducted with a presenter, but the exhibition can also be visited unaccompanied, such is the wealth and accessibility of its contents.

LIVING
HABITER L'ESPACE / HABITAR EN EL ESPACIO
IN SPACE

Experience the daily lives of the astronauts and find out about the missions of manned flights through genuine cult space objects: Russian and American intra-vehicular spacesuits, space capsule chair, space food etc..



CONTENTS OF ISLAND 1

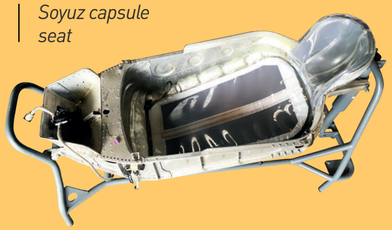
- 1 thematic mural
- 1 genuine Russian intra-vehicular "Sokol" spacesuit
- 1 genuine American intra-vehicular "L.E.S." spacesuit
- 2 display cases of original, unusual and real space objects
- 1 new documentary film, "Life in Space."
  Astronauts present their daily lives in the International Space Station (ISS) and Thomas PESQUET gives you a tour of the ISS
- 1 genuine Soyuz capsule chair
- 1 model 1:75 Shuttle
- 1 model 1:75 Soyuz
- 1 model 1:75 SLS (American launcher to send people to the Moon)
- 1 audio-visual cartel Thomas Pesquet's flight in both directions to the ISS by Soyuz



American intra-vehicular spacesuit "L.E.S."



Russian intra-vehicular "Sokol" suit



Soyuz capsule seat

© ESA/NASA

GOING TO SPACE

ALLER DANS L'ESPACE / IR AL ESPACIO

Models invite you to explore the rockets used to send humans, satellites and probes into space. From the first projects to the launchers of the future, an astounding voyage into the world of propulsion.

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CONTENTS OF ISLAND 2

- 1 thematic mural
- 1 Ariane 5 launcher, 1:20 - Model
- 1 Ariane 6 launcher, 1:20 - Model
- 1 Russian Soyuz launcher, 1:20 - Model
- 1 Diamant launcher, 1:20 - Model
- 1 SpaceX Falcon Heavy launcher, 1:20 – Cut-out
- 1 audio-visual documentary panel, "Launchers" New Space, "Of Launchers and Landings"



SpaceX Falcon Heavy Launcher, 1:20 – Cut-out



Russian Soyuz Launcher, 1:20 Model



Ariane 5 Launcher, 1:20 Model

OBSERVING

OBSERVER LA TERRE / OBSERVAR LA TIERRA

THE EARTH

What is at the bottom of the seas? What will the weather be like tomorrow? What road should I take? Find out about the extraordinary performances of satellites, keen observers of the Earth.

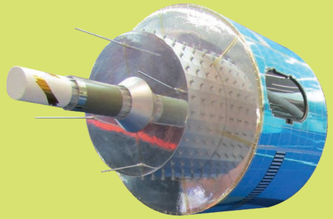
© KARIESA

CONTENTS OF ISLAND 3

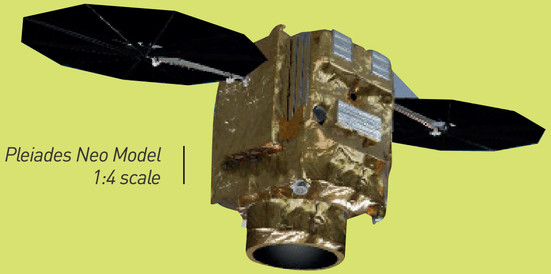
- 1 thematic mural
- 1 Pleiades Neo Model scale 1:4
- 1 life-size Angels Model
- 1 Météosat satellite Model scale 1:4
- 1 audio-visual on satellites and their missions
- 1 gyroscope table for a dynamic demonstration
- 1 HD satellite image on the floor for the Pleiades Neo model



Gyroscope Table



Météosat satellite Model 1:4 scale



Pleiades Neo Model 1:4 scale

EXPLORING THE SOLAR SYSTEM

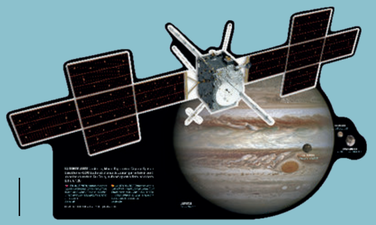
EXPLORER LE SYSTÈME SOLAIRE / EXPLORAR EL SISTEMA SOLAR

Discover the solar system thanks to robot explorers and sentinel probes. Stars, planets, moons, comets, asteroids etc.
These great travellers show you astounding worlds, neighbours of the Earth, which teach us more about our own planet.

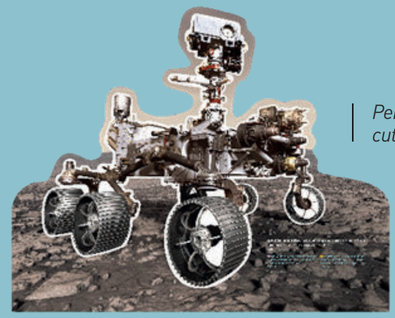
© NASA/JOHNS HOPKINS UNIVERSITY APPLIED PHYSICS LABORATORY/SOUTHWEST RESEARCH INSTITUTE

CONTENTS OF ISLAND 4

- 1 thematic mural
- 1 cut-out of the Perseverance rover 1:2 – planet Mars
- 1 cut-out of the Juice probe 1:20 – Moons of Jupiter
- 1 cut-out of the Chinese Chang'e 4 probe 1:2 (the first to land on the dark side of the Moon)
- 1 model of the Rosetta probe 1:20
- 1 film on the exploration of the various heavenly bodies in the solar system
- 1 touchable model of the solar system
- 1 totem panel "Identity Cards of the Planets of the Solar System"



Juice probe cut-out 1/20 size



Perseverance rover cut-out ½ size

DISCOVERING

DÉCOUVRIR L'UNIVERS / DESCUBRIR EL UNIVERSO

THE UNIVERSE

Head off to explore the cosmos with Hubble!
Discover breath-taking photos of distant galaxies and unravel the mystery of the creation of the Universe. Our galaxy, the Milky Way, is at your fingertips!

© NASA, ESA, AND THE HUBBLE HERITAGE TEAM (STSCI/AURA)

CONTENTS OF ISLAND 5

- 1 thematic mural
- 10 large "Hubble" photo panels presented on a totem
- 1 touchable model of our galaxy, the Milky Way
- 1 audio-visual documentary



NASA, Holland Ford (JHU), the ACS Science Team and ESA

Photo NASA/ESA
Hubble Space Telescope
Pillar of gas and dust,
creator of new stars...



NASA, ESA and K.Cook (Lawrence Livermore National Laboratory, USA)

Photo NASA/ESA
Hubble Space Telescope Spiral
Galaxy NGC 4921
and galactic background...

EXPERIENCE

VIVEZ L'ESPACE !
/ ¡VIVA EL ESPACIO!

SPACE!

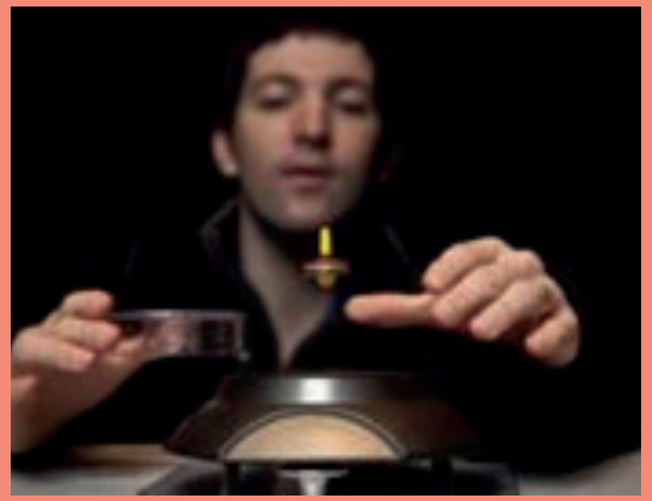
THE EXPERIMENTAL LAB

With the help of a presenter, get involved in new experiments:
Find out about the amazing characteristics of the vacuum!
Explore the sound and light show! Simulate re-entering the atmosphere…

With the Experimental Lab, science becomes child's play!
(Experiments available to those of 7 years and over)



Space Vacuum



Sound and Light Show

© NASA/JOEL KOWSKY

THE SCOOP OR SAUCER EVENT

FUNDAMENTAL OBJECTIVES

- Present phenomena observed in the sky which appear strange, surprising, or even baffling to the public.
- Enjoy with the public the many possible misidentifications between flying saucers and naturally occurring or man-made phenomena.

PRINCIPLE OF THE SCENARIO

For 15 to 20 minutes, the presenter introduces the audience to the analysis of images of unusual aerospatial phenomena…

This event presented in the auditorium of Cité de l'espace has been hugely successful.
We therefore decided to produce a light version of it as part of the exhibition "From the Earth to the Stars."

CONTENTS OF ISLAND 6

- 1 thematic mural
- 1 Lab unit with experimental material
- 1 Scoop or Saucer audio-visual



Aurora Borealis

Observed phenomenon



FEATURES NOT ON ISLANDS

- 1 presentation totem for the exhibition
- 5 seats

CONDITIONS OF BOOKING

LOCATION

- Required area for reception of visitors and school groups: **300 m²**
- Required height: **2.60 m** (or 3.77 m with the Falcon Heavy cut-out)
- Electrical supply: **230 v**
- The technical description of the exhibition elements is available on request

INSTALLATION

- Installation: **2 days** (These duration may vary according to the technical, architectural and operating constraints of the venue)
- Dismantling: **2 days** (These duration may vary according to the technical, architectural and operating constraints of the venue)
- Staff made available by the venue: **2 multi-skilled individuals**
- Storage of packaging: plan for **a secure sheltered store of 50 m²**

AT THE VENUE'S EXPENSE

- Hire of the exhibition booking costs: check with us. Discount rates from 6-month bookings.
- Return transport of the exhibition (1 semi-trailer truck or 1 40-foot container)
- As part of a long booking, training of staff provided by Cité de l'espace
- As part of a short or long booking, supply of one or more presenters by Cité de l'espace
- Living and transport expenses for the manager during the installation and dismantling phases
- Living and transport expenses, the services of the presenter/trainer
- Insurance "On-site only"

Custom estimate available on request

3 languages: French, English, Spanish

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