SPACESHIP EARTH

TRAVELLING EXHIBITION



©NASA

- An astounding journey in space and on Earth.
- The Earth seen from space.
- The conditions for life.
- The interaction between human activities and the environment.
- The future of the planet.
- Scientific, humanitarian and poetic at the same time.
- An interactive exhibition for the whole family to surprise, amaze and make us wonder.
- An area of 250/300m² around 4 thematic spaces.
- A participatory experimentation lab.
- An exhibition at the meeting point of natural, physical and human sciences.

Toulouse

PRODUCED BY Cité de l'espace TOULOUSE

With the participation of cnes esa AIRBUS MUSÉUM TOULOUSE OMP

THE CONTEXT OF CREATION

Observation of the Earth is an essential theme of space activity ... for our life on Earth.

Cité de l'espace wants to offer a new look at this subject. It offers an original exhibition which addresses the theme of the Earth through a positive, poetic lens which is accessible to all. Thanks to the wealth and cross-cutting nature of its contents, **the exhibition, SPACESHIP EARTH, offers many discoveries at the point where natural, physical and human sciences converge. It invites curious visitors to be explorers, scientists, archaeologists and visionaries at the same time.**

In a spirit of consistency with the theme and in line with the environmentally friendly policy of Cité de l'espace, **the exhibition has been designed, produced and is operated using a sustainable development approach.**



TARGET AUDIENCE

SPACESHIP EARTH is intended for **an intergenerational family audience.**

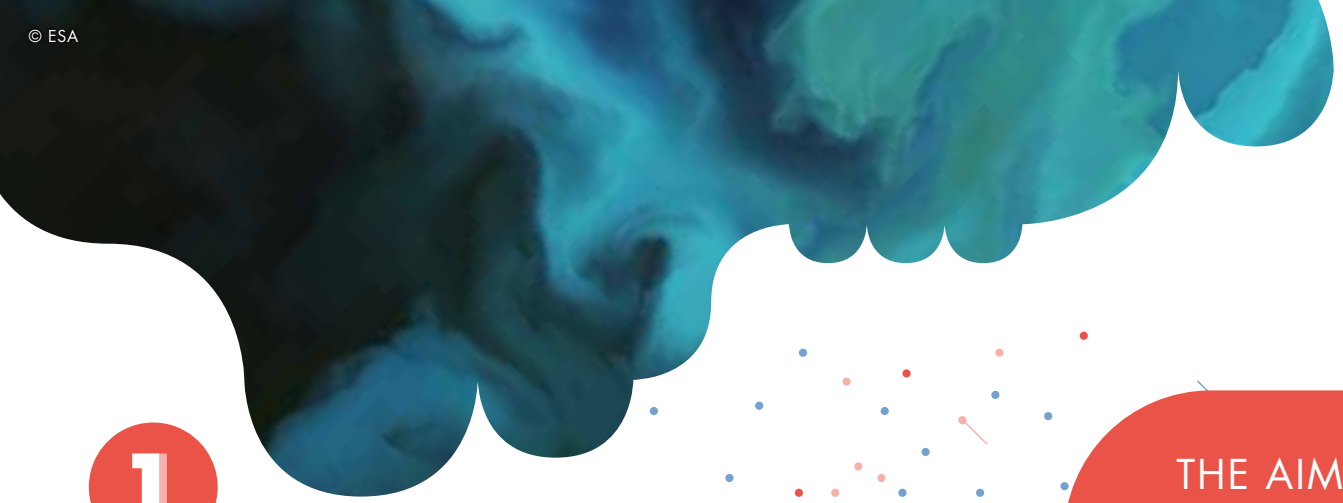
The exhibition raises awareness particularly **for young audiences and new generations.**

THE AIMS OF THE EXHIBITION

- *To raise visitors' awareness of how extraordinary the Earth is.*
- *To show what's at stake in climate change: it's the future of today's living beings, including humans, which is at risk, rather than that of the planet.*
- *To inform visitors about the interaction between "human activities" and the "environment".*
- *To show that the Earth is a moving spaceship and that Earthlings are only tenants of this Spaceship.*

© ESA

© ESA



1

OUR BLUE PLANET

"LOOK AGAIN AT THIS LITTLE DOT. IT'S HERE. IT'S OUR HOME. IT'S US."
CARL SAGAN

A contemplative area brings visitors into the exhibition.
Like astronauts coming from space, they are headed towards the Earth.
Starting from 6.4 billion kilometres away, they gradually come closer and climb aboard the ISS at 400 kilometres above the Earth.

THE AIM

To immerse visitors in the subject, offer them a moment of contemplation and perspective on the Blue Planet.

CONTENTS

1 introductory panel (double-sided) in 2 pieces with an illuminated "Spaceship Earth" sign

Every day, without us noticing it, we are travelling in the Universe aboard a very special spaceship: Spaceship Earth.

Find out about all facets of our planet through the satellites which observe it from space: a blue planet, full of life, inhabited by mankind today … and tomorrow.

1 self-supporting introductory panel (double-sided) "Our Blue Planet"

Look at and contemplate the Earth from space.

2 scenographic fittings with visuals on both sides "Close-up on Earth 1 and 2": "Earth Rise" from the Moon and "The Blue Planet"

Become aware of the smallness of the Earth relative to the Universe, observe the Earth from the Moon, a poetic image of the Earth seen from space.

1 audiovisual "Earth" in an immersive scenographic fitting

Rediscover our Earth through the touching testimony of Alexander GERST.
Raising awareness of how extraordinary the planet is.



© ESA



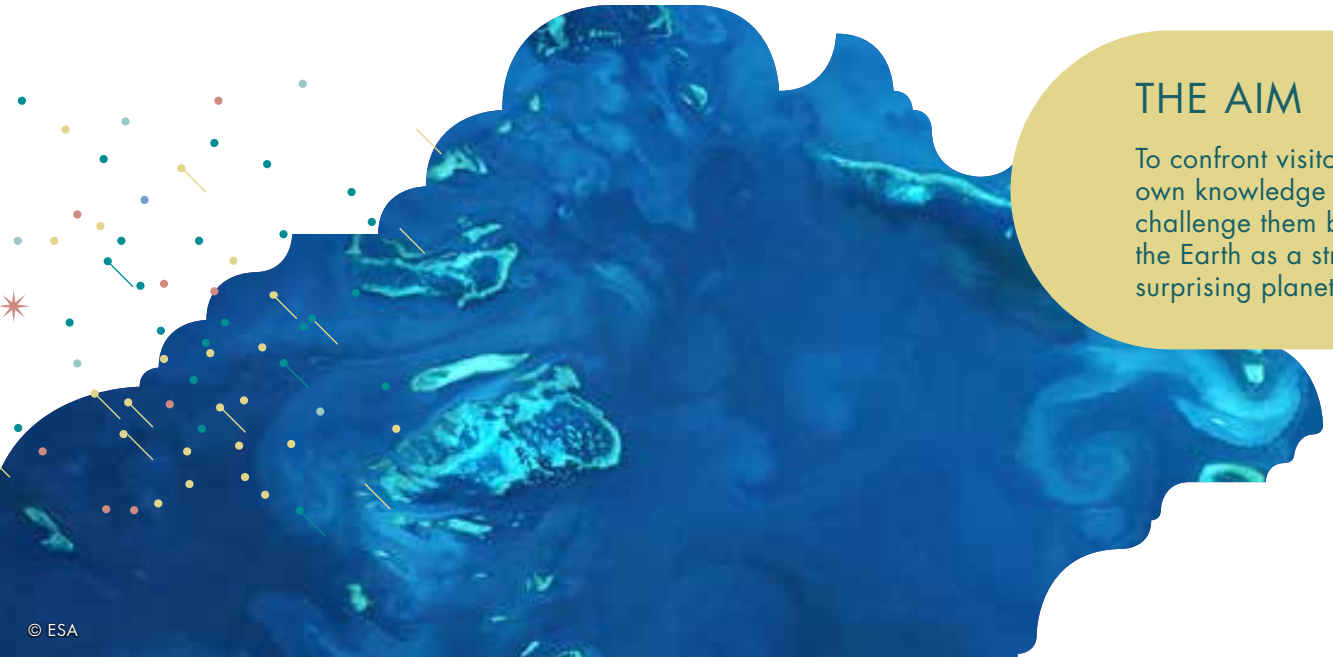
2

A PLANET OF LIVES

"IT'S AN OASIS IN AN OCEAN OF NOTHING AT ALL."

THOMAS PESQUET

The Earth is an extraordinary planet which was born from a lucky combination of circumstances. **Like explorers,** visitors will find out about the exceptional conditions which enabled some billions of different life-forms to emerge.



THE AIM

To confront visitors with their own knowledge of the Earth and challenge them by presenting the Earth as a strange and surprising planet.

CONTENTS

1 introductory content panel (double-sided)
"A Planet of Lives"

1 interactive panel "The Conditions for Life"

On the front:

The great parameters for a habitable planet: the "Goldilocks"Zone, liquid water and Time (with an audio narrative).

On the back:

- *The "super-powers" of the Earth: its mass, the atmosphere and the magnetic field.*
- *An audiovisual (animation) "The Moon, super-sidekick": find out about the importance of the Moon's role in the development and sustainability of life on Earth as well as the Earth-Moon interactions.*

1 moving interactive model on the "Goldilocks" Zone

Learn about the exceptional character of the conditions which came together to enable the development of life on our planet.

1 interactive device "Quiz about Life"

Contemplate the diversity of the planet, observe life-forms and surprising ecosystems from space and on-site. Find out about the use of satellite data in the discovery/preservation/launch of alerts on remarkable places and life-forms.

4 self-supporting decorative panels to define the Quiz area:

Representing the four terrestrial environments: the seas, deserts and savannahs, forests and the ice worlds.



3

HUMANS ON EARTH

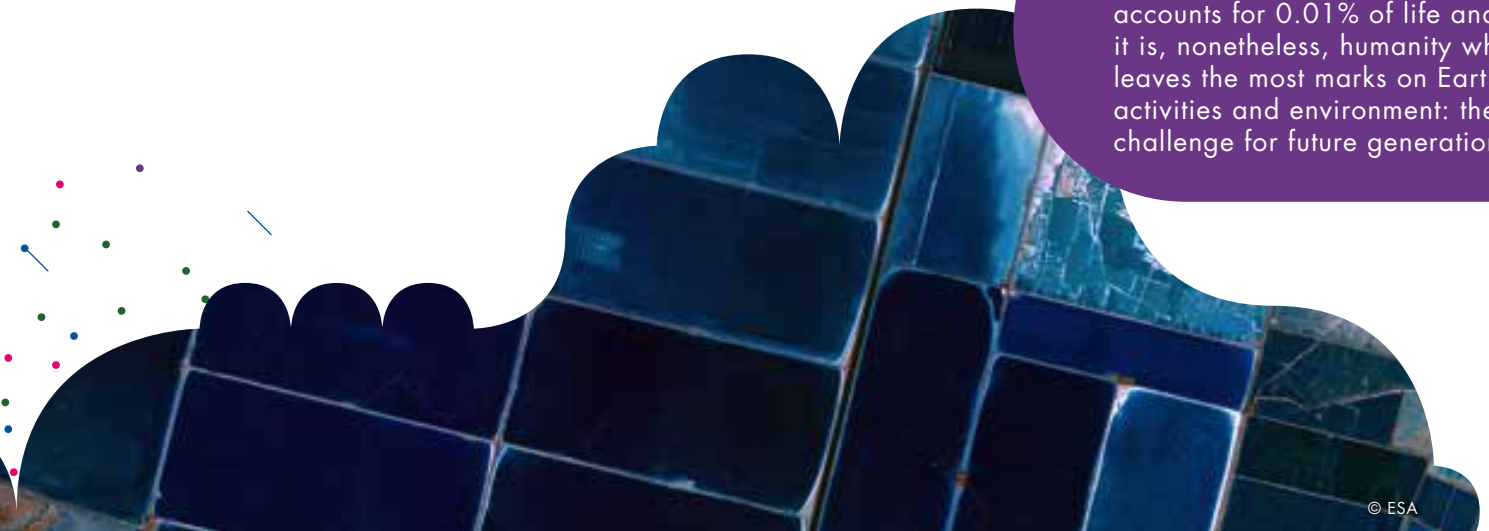
"THE EARTH IS A SPACESHIP AND WE ARE ALL CREW MEMBERS."
JEAN-FRANÇOIS CLERVOY

108 billion human beings have walked the Earth. Nowadays 7.55 billion Humans continue to interact with the planet. **Like archeologists from space,** visitors discover and observe one of the terrestrial inhabitants in particular: Human.

Today, satellites enable us to look at human activities and manage as best we can interactions with the planet.

THE AIM

To raise awareness that humanity only accounts for 0.01% of life and that it is, nonetheless, humanity which leaves the most marks on Earth! Human activities and environment: the great challenge for future generations!



© ESA

CONTENTS

1 introductory content panel (double-sided) "Humanity on Earth"

1 scenographic fitting and contents "Eyes in Space" (double-sided)

On the front:

- *1 audiovisual "Our Super-eyes in Space." The role, mission and operation of a satellite, using the Sentinel 2A satellite as an example.*
- *2 seating (blue stools)*
- *Graphic contents "Eyes in Space". Portrayal of satellite families and their altitude.*

On the back:

1 interactive graphic: the size of the Earth seen from the Moon.

1 interactive device (1 screen and 1 satellite in a tracking shot) "Human Fingerprints"

Observe from space the marks left by humanity on the planet, introduce examples of space applications related to human activities, take account of the fingerprints (negative and positive) that Humans leave on the planet.

1 multimedia device (3 screens) + 1 seat (office chair type) "Sentry Post"

Through a game, understand that the planet is in constant motion. The contributions of the space sector in managing global events. On the back of the fitting, the "Global Events" panel displays 3 large images of spectacular natural disasters taken from space.



4

WHAT EARTH FOR TOMORROW?

"TOMORROW'S PLANET DEPENDS ON TODAY'S DECISIONS."
HUBERT REEVES

Visitors are invited to wonder not only about the future of the Earth, but particularly about the future of living beings on the planet, in the very near future.

Will the Earth disappear one day? In what timescale? Why is there no plan B for Humanity? Can Humans adapt to climate change? What about other living beings? What solutions already exist to save the planet? What additional solutions can we imagine?

THE AIM

To raise visitors' awareness about the fact that we only have one planet to shelter us and that there is no plan B!

CONTENTS

1 introductory content panel (double-sided)
"What Earth for Tomorrow?"

1 documentary-type audiovisual "Going Somewhere Else"
+ 3 seats
No plan B! It is on the Earth that we have to act.
Introduce the concept of exoplanets.

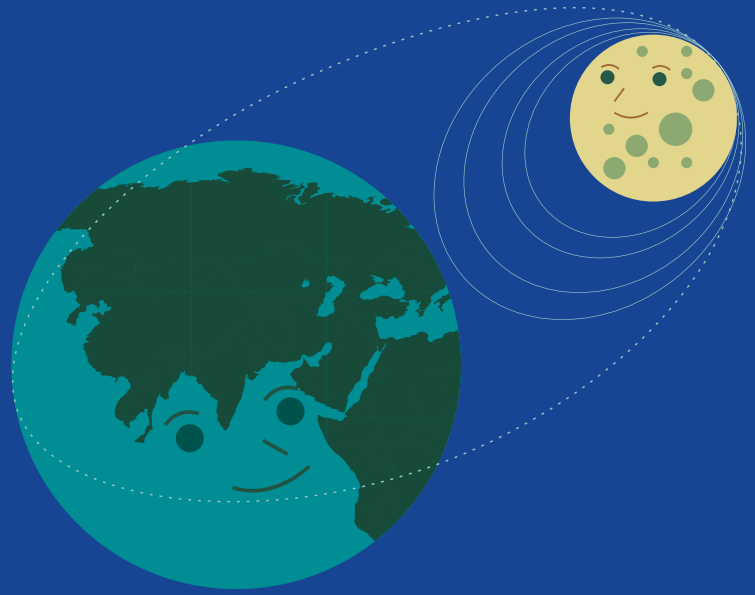
1 large-format mural "The End of the Earth?"
Introduce the concepts of astronomy (life of stars and planets).
Understand that the planet will outlive the human species.

1 multimedia device + 2 seats (red stools) -
"Feet on Earth"
Every little gesture of daily life counts to save our planet... and our living conditions!
Re-position space as one of our tools for delivering solutions to global warming. Involve visitors and raise awareness, show that solutions exist.

EARTH LAB

EXPERIMENTATION AREA

Like scientists, visitors, in the animation area, experiment with the characteristics of the planet to better understand them and grasp in a practical way how it works.



6 THEMES ARE ADDRESSED:

- In orbit around the Earth
- Observation satellites
- The Earth's movements
- The conditions favourable for life
- A surprising environment
- Tomorrow's Earthling

The Earth Lab can take place in the very centre of the exhibition or in an adding place (Auditorium, student area, reception area, etc.).





© ESA

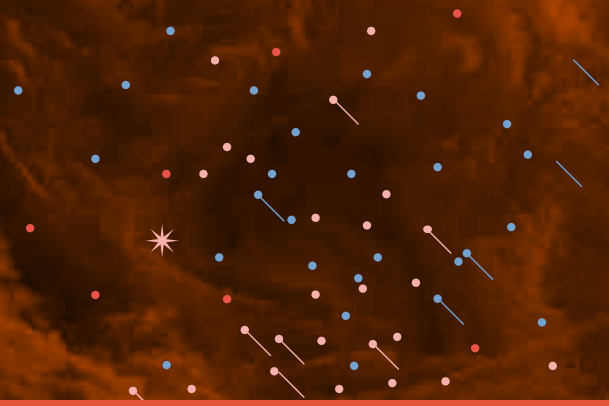
BOOKING CONDITION

LOCATION

Required area:
250 m² / 300 m² of flexible display space.

Electric supply:
230 v.

The technical description of exhibition elements can be sent on request.



© ESA

INSTALLATION

Installation and removal:
4 days for each phase (these times may vary depending on technical, architectural constraints and those relating to the venue's operations).

The Earth Lab:
Two-day training for the venue's presenter teams.

Storage of packaging:
Prepare a secure closed place of 50 m².

AT THE VENUE'S EXPENSE

- Hire of the exhibition: check with us. Discount rates from six-month bookings.
- Return transport of the exhibition.
- Training of the venue's mediation team.
- Living and transport expenses for the manager during the installation and removal phases.
- Living and transport expenses of the trainer.
- Insurance "On-site only".

Custom estimate available on request.

3 languages: French, English, Spanish.

Créateur de la charte graphique : INCLUSIT DESIGN/COSTANZA MATTEUCCI. Création plaquette : Free-Lance's l'Agence.

CONTACT: Laurent COSSENET - Travelling Exhibitions Manager - +33 (0)5 62 71 56 38 / +33 (0)6 85 32 82 57 - l.cossenet@semeccel.com