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18. **Euro Space Society, Dirk Frimout Belgian astronaut**

Careers - Opportunities - Expand your knowledge

Captivating presentations by Belgium's leading space experts.

Speed dating: Apply for an internship or a job offer, submit your CV to potential employers.

CV corner: Pin your CV, look at available jobs and internships

Meetings: Most sponsors will have representatives assigned to their booth.

Topic 1: To the Moon & Mars

Topic 2: Telescopes: Unravelling the mysteries of the Universe

Topic 3: Space Technologies for Moon & Mars

Topic 4: Astronauts 2.0: 21st century Explorers to Mars

Topic 5: Using local resources on Planets to live

Topic 6: Protect & Defend our Planets

Topic 7: Space humanities / Leaving the cradle of humanity

Summary of the event by students and open discussion with 7 astronauts

Networking & Fun

Register >>> www.switchtospace.org

PROGRAMME

Plenary sessions

09:00 – 12:30



Lunch break & more

12:40 – 14:30



7 engaging topics

14:30 – 16:30



Plenary sessions

16:40 – 18:00



Cocktail

18:00 –



2-minutes pitches



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OUR COMMITMENT

Geography is the key to our future

Landscape
transformations, ecosystems, heritage, identity, values

Mobilities
logistics, transport, infrastructure, networks, time and space

Risks
natural hazards, technological risks, risk modelling and management

Education
fieldwork, excursions, observations

Cities
urbanisation, housing, livability, green infrastructure

Geo-politics
elections, conflicts, participation

Spatial Planning
settlements, regional development, governance

Resources
food and natural resources, mining, renewable energy

Land & Water
soil erosion, drought, degradation, pollution

Sustainable Development
environment and society

Globalisation
finance, industrial and agricultural production, tourism

Population
evolution, ageing, migration, health

Climate
global warming, meteorology, glaciers

Geo-information
GIS, surveying, satellite images, maps, GPS, navigation

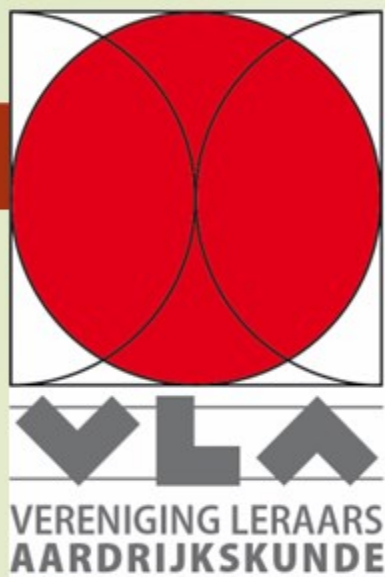
Population
evolution, ageing, migration, health

Climate
global warming, meteorology, glaciers

Geo-information
GIS, surveying, satellite images, maps, GPS, navigation

Find out more about your future, study Geography!
www.geographybelgium.be

This campaign is an initiative of the Belgian National Committee of Geography



VLA: Association of geography teachers – we reach **80% of Flemish teachers** in secondary education

Diversity in communication tools: website, facebook, VLA-newsletter and scientific Yearbook.

We offer **communication channels** and **organize events** that enable you to reach teachers at first hand:

Facebook: information

Website:

VLA-newsletter:

Yearbook:

Yearly thematic congress – possibility for workshops

Partner in the **Flemish Science Congress** – also possibility for workshops

The VLA can serve as a **partner** in the development of educational projects. We are ready to get involved.



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The Effect of *Mission X* on Participating Children

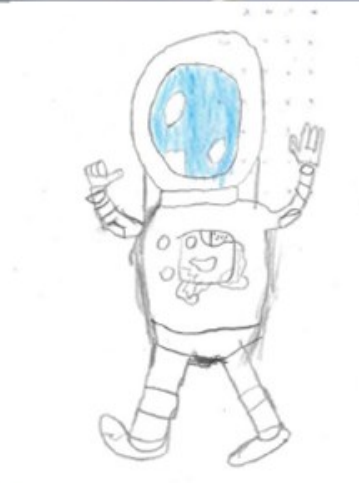
Last year: Master student of Space Studies (KULeuven - UGent)

Next year: ESA Young Graduate Trainee in Science Communication

Mission X: train like an astronaut

Main results:

- Higher interest in science and space
- ESA is not well known
- Children learn:
 - Daily exercise is essential
 - The negative effects of space travel
- Most draw a helmet and space suit





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MARGOT WINTERS
STUDENT TU DELFT
AEROSPACE ENGINEERING

CLIMATE DETECTIVES

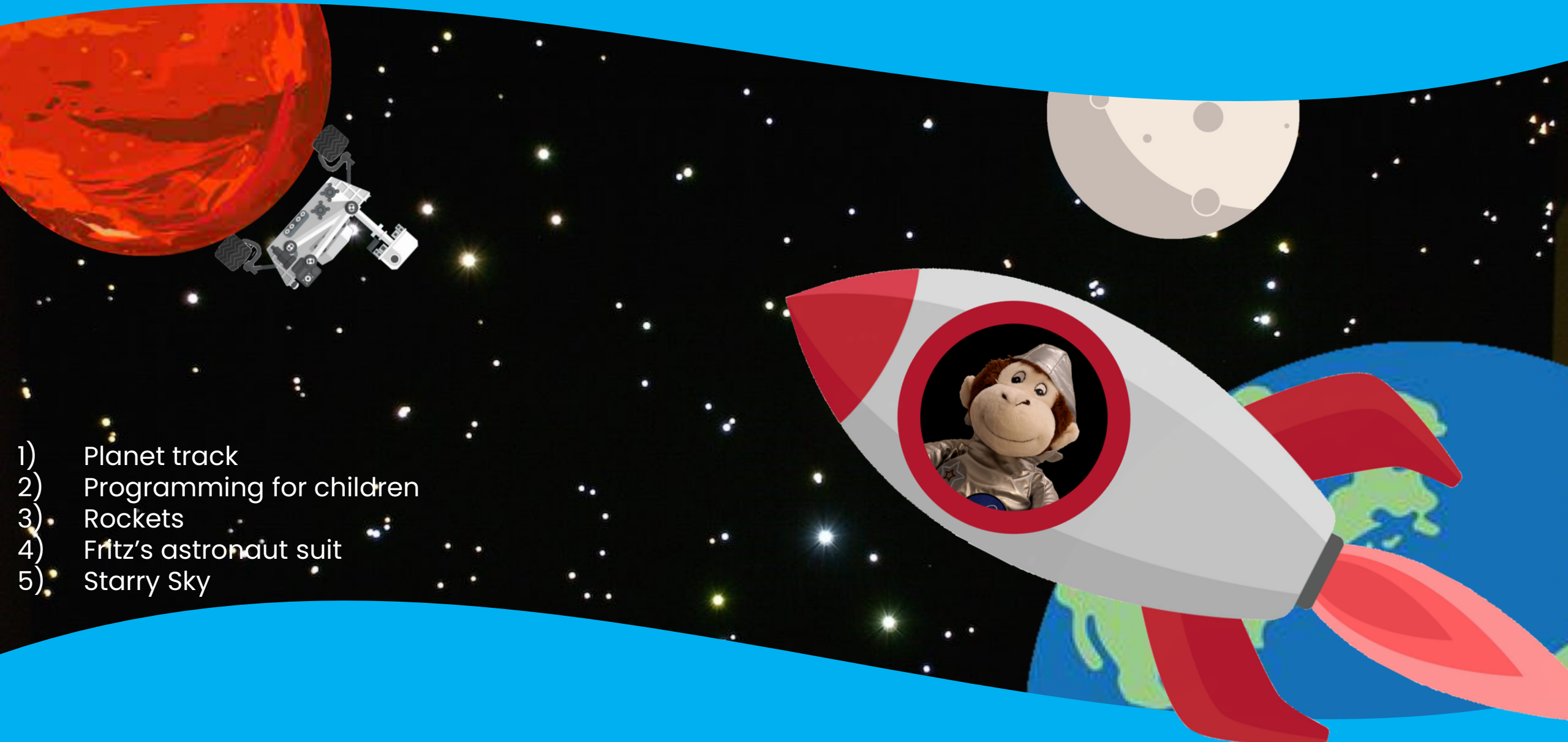


2-minutes pitches



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On a journey to space with Fritz



- 1) Planet track
- 2) Programming for children
- 3) Rockets
- 4) Fritz's astronaut suit
- 5) Starry Sky



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Stemmige sterren



- 6 – 12 yr
- 3 STEAM-projects

2-minutes pitches



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The road to Mars

- 14 – 16 yr
- STEM-project
- learning by doing
 - Scientific method
 - Engineering design

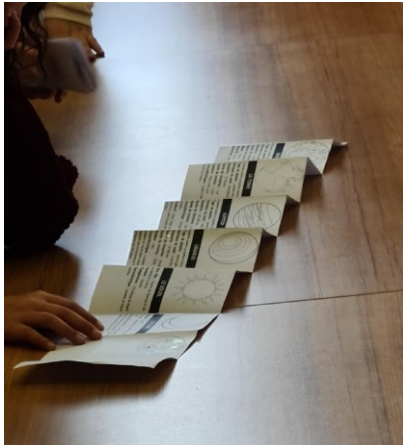




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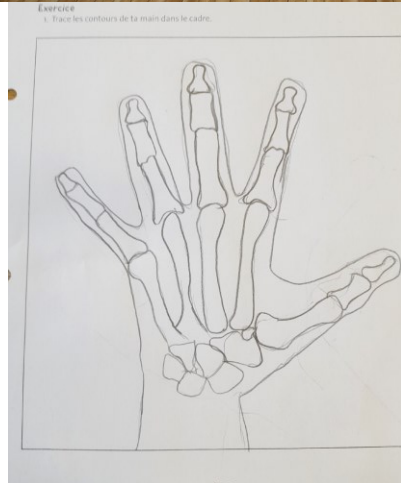
MISSION X
TRAIN LIKE AN ASTRONAUT



EPREUVE INTÉGRÉE
8 JUNI 2022

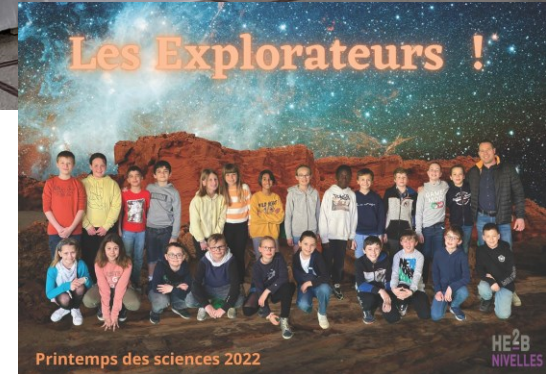
MANON DE RIDDER 2 IP





HE2B
NIVELLES
Ph. Skilbecq – 26 août 2022

La Scienciothèque



HE2B
NIVELLES
Astronauts Training Camp



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Star Sounds in the classroom
10-14 year-olds
Coding with Sonic Pi on school ICT
stroom.pxlmusic.be



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Culture Sciences & Technology



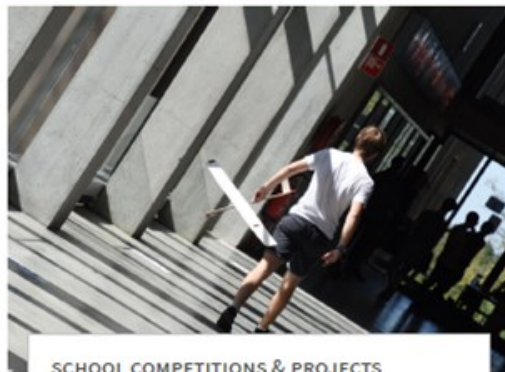
Science dissemination
(STEM - science,
technology, engineering
and mathematics)
@ the University of Liège



LECTURES & EXHIBITIONS



LABORATORY VISITS & WORKSHOPS AT SCHOOL



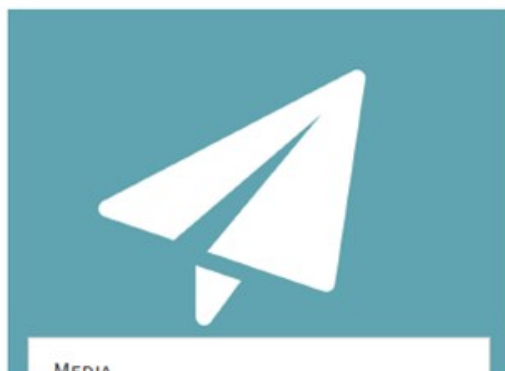
SCHOOL COMPETITIONS & PROJECTS



PODCASTS & VIDEOS



DIDACTIC RESOURCES



MEDIA

www.rejouisciences.uliege.be

 /rejouisciences



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Teaching Lightning and Cloud Formation Using Exoplanets

Curricular Topics:

- Geography: Cloud formation
- Physics: Electric charges and fields

The Lessons:

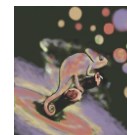
- Each lesson is 2 hours (2 x 60 minutes)
- Inquiry lessons for students aged 16 -18
- Hands-on experiments using scientific methods

		
	Lesson A1	Lesson A2
	Lesson B1	Lesson B2



Oriel.Marshall@UAntwerpen.be

CHAMELEON
Exoplanet
Research Network

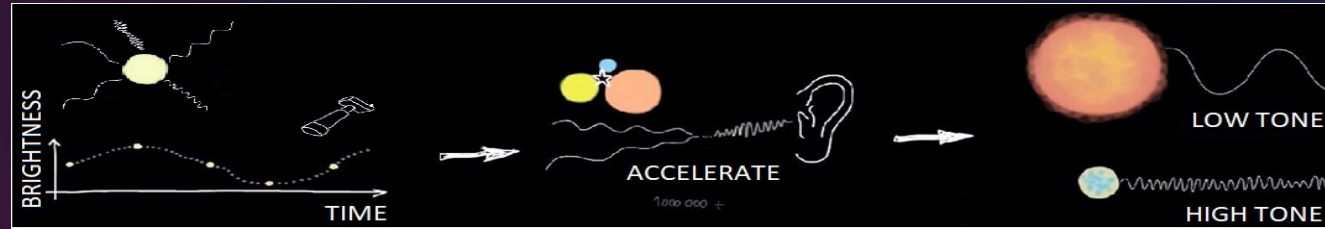


This project is funded by the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie grant No 860470

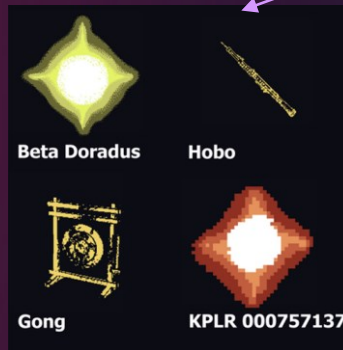


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AstroSounds: listen to the stars



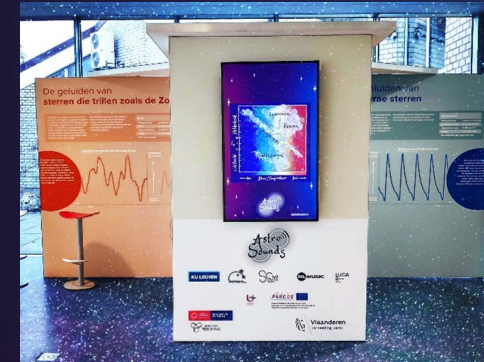
www.astrosounds.be



Cepheïde star
Polaris



RR Lyrae star
(prototype)



AstroSounds.be



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Space Meeting 26 April
2022

2-minutes pitches



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Volkssterrenwacht Urania

<https://www.uraniam.be/>

Ruimtevaartbabbel

<https://www.tinyurl.com/ruimtevaartbabbel>



Nieuws Uit De Ruimtevaart

<http://www.ruimtevaart.be/>



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Building a space outreach ecosystem at ULB

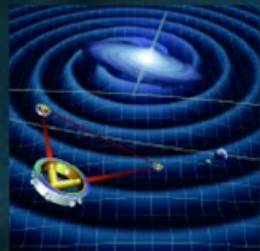
Sébastien Clesse
Service de physique Théorique, ULB



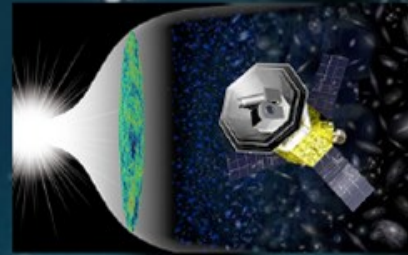
Research: Cosmology, Dark Matter, Primordial Black Holes



Euclid



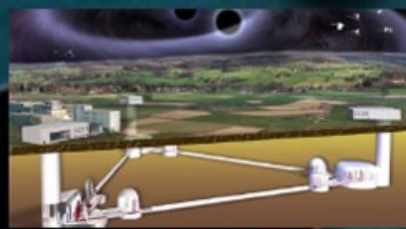
LISA



LiteBird



LIGO/Virgo/Kagra
(Belgian rep. for outreach)



Einstein Telescope

Teaching:

- Programming in **Python** (Bac 2 in Physics)
- **Didactics** of Physics (future teachers)
- **Outreach projects** (Bac-2 in Physics)
- **General Physics** (Bac-1 in Biology,...)
- **Relativistic quantum mechanics**, (Gravitational-Waves)...



General

- Medias
- Science summaries
- Conferences
- Nuit de l'obscurité
- Amateur astronomy

Children

- Sky Watchers
- Alice et le Big-Bang
- L'univers fantastique...
- Printemps des Sciences
- Université des enfants
- Nuit de l'obscurité, etc...

Youths

- Initial Formation
- Networking
- Ressource repository
- Next: continuous formation, ESERO...

Teachers

- Online escape room (LVK)
- Type conferences
- Experiments
- Internships
- Printemps des Sciences
- Experimentarium
- Next: Python...



2-minutes pitches



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12. **Planetarium Brussels, Georges Champagne**
13. **UAntwerp, Oriël Marshall**
14. **UCLL Teacher Education, Lise Verbraecken, Jeroen Op Den Kelder**
15. **ESERO BE / Belgian Space Week, Oksana Burnaieva**
16. **Urania & Ruimtevaartnieuws, Koen Geukens**
17. **ULB, Sébastien Clesse**
18. **Euro Space Society, Dirk Frimout Belgian astronaut**

A white orbital path with a red dot at the top and a yellow dot at the bottom, crossing the text.

**Belgian
Space Week**