

EVENT MAP | GROUND FLOOR

GUIDING THEMES

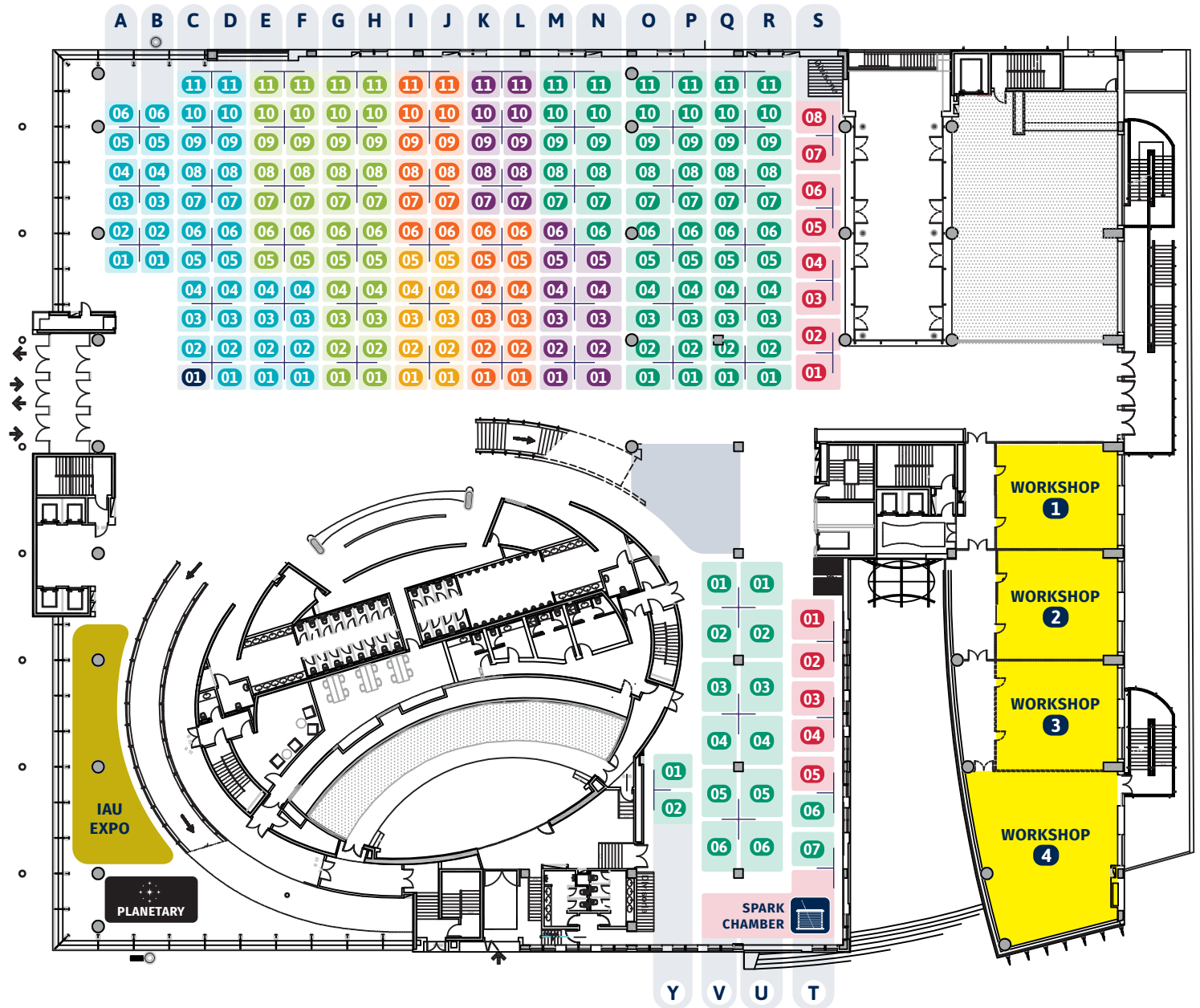
-  DIGITAL LITERACY AND SCIENCE EDUCATION
-  SUSTAINABLE DEVELOPMENT IN SCIENCE EDUCATION
-  JOINT PROJECTS
-  SCIENCE IN EARLY YEARS
-  INCLUSIVE SCIENCE
-  LOW-COST AND RECYCLED SCIENCE
-  ASTRONOMY AND SPACE EXPLORATION IN SCIENCE EDUCATION

 WORKSHOP AREA

 IAU - 100 YEAR Expo

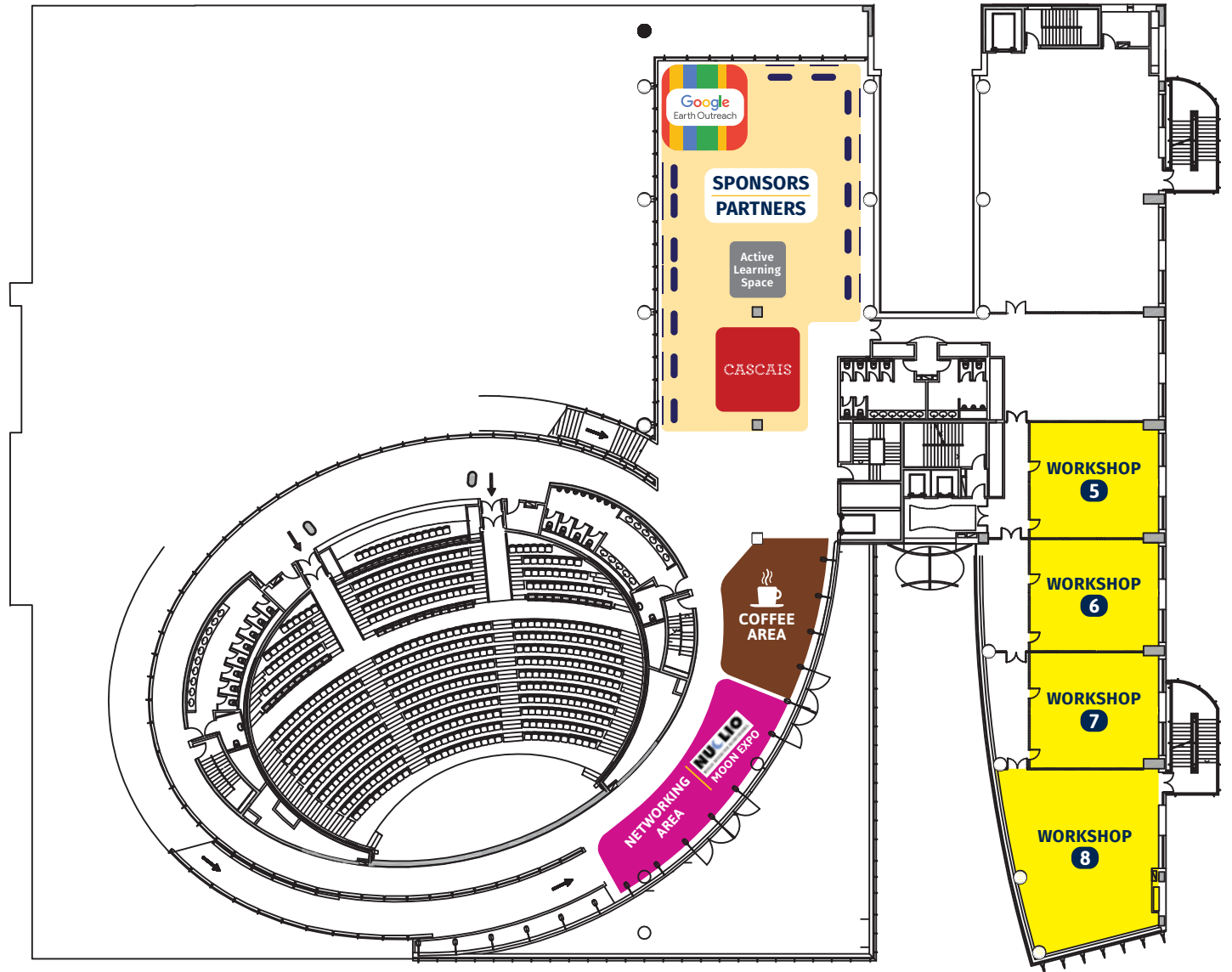
 PLANETARY

 COSMIC RAY SPARK CHAMBER



EVENT MAP | FIRST FLOOR

-  **WORKSHOP AREA**
-  **SPONSORS / PARTNERS**
-  **GOOGLE EARTH OUTREACH**
-  **CASCAIS STAND**
-  **ACTIVE LEARNING SPACE**
By Promethean & Steelcase
-  **COFFEE AREA**
-  **NETWORKING AREA**
NUCLIO MOON EXPO





EVENT PROJECTS | TABLE DISPOSITION

A06 Teaching Physics with LEGO EV3 (PORTUGAL)

A05 Augmented Reality Sandbox (FRANCE)

A04 Simple physics experiments in computer science lessons and beyond (CZECH REPUBLIC)

A03 Photo-picture in the Computer Science room (UKRAINE)

A02 Baby Safety – development of systems for the prevention of sudden infant death (SPAIN)

A01 School in Humanitarian Causes (PORTUGAL)

B06 Machine Learning in school (GERMANY)

B05 CO2duino (GREECE)

B04 SCIENCE! And no MATTER Story (PORTUGAL)

B03 Techland: mathematics and science in a virtual world (ITALY)

B02 Modern Science Classroom (KAZAKHSTAN)

B01 Introducing educational robotics and creation digital learning environment in the teaching of mathematical concepts (CYPRUS)

C11 Atmosphere control of a house (PORTUGAL)

C10 Choreographic visualisation of the search algorithms (UKRAINE)

C09 Kalevala goes science (FINLAND)

C08 Dynamene – scientific research equipment built by high school students (SWEDEN)

C07 Creating animation and video in science subjects (LATVIA)

C06 Escape Room To Go (HUNGARY)

C05 Chemanalyse - your application to do chemistry laboratories (POLAND)

C04 Structured Programming and the Internet of Things (NORWAY)

C03 Proteomics, mass spectrometry applied to protein analysis (NETHERLANDS)

C02 Visiting the Museum? The Robot Helps! (PORTUGAL)

C01 SCIENCE ON STAGE EUROPE

D11 Safe flight - innovative modification of a wing (POLAND)

D10 STEAM CENTER: Internet network fails (SPAIN)

D09 Echo Tech Youth (ALBANIA)

D08 SoS - Sounds of Science (PORTUGAL)

D07 Qualitative analysis of water samples for young scientists (SLOVAKIA)

D06 Optical Tweezers: The Nobel Prize in Physics 2018 at your school (GREECE)

D05 Braga Through a Digital Lens (PORTUGAL)

D04 Walking along the Chromosomes (ITALY)

D03 Young people learning statistics (FINLAND)

D02 MINT-EC Camp autonomous driving (GERMANY)

D01 Programming Robot (teacher assistant) (KAZAKHSTAN)

E11 Sintra's Mountain (PORTUGAL)

E10 DusTrack'R (FRANCE)

E09 Brain of Olching - The Scientific CastingShow (GERMANY)

E08 Environment and sustainability in Physics class (DENMARK)

E07 Drops and droplets (Czech Republic)

E06 Smartphones as Didactic Tools for Approaching Geosciences (ITALY)

E05 Our house: can it be sustainable? (PORTUGAL)

E04 Constructing a circulating Fluidised Bed Laboratory Unit (AUSTRIA)

E03 Folk beliefs about weather and astronomy (Bulgaria)

E02 Fun project for integrating art with circuits into finished projects (SWEDEN)

E01 Immersive Science (PORTUGAL)

F11 Earth Day (HUNGARY)

F10 eHAND (effects of human activities on natural disasters) (ITALY)

F09 Albatross project (NETHERLANDS)

F08 Educate to Innovate (PORTUGAL)

F07 Hyperbaric Chamber (GREECE)

F06 The awareness of a Water Footprint (IRELAND)

F05 Rouffach, a land of vine and wine (FRANCE)

F04 Mangualde STEM Academy (PORTUGAL)

F03 Explore Nature Together (UKRAINE)

F02 How is biometric security changing the world we live in? (UNITED KINGDOM)

F01 Stroboscope and beyond (POLAND)

G11 Solar Light (FRANCE)

G10 Light on the risks of UV (PORTUGAL)

G09 Global Goals, Global Inventors with Mighty Futures (UNITED KINGDOM)

G08 Cosmic role of photosynthesis (UKRAINE)

G07 The hiLyte battery (SWITZERLAND)

G06 The sustainable city (SWEDEN)

G05 Your best mistake - an engineering project for students in 3rd grade (10 years) (DENMARK)

G04 Air Garden (KAZAKHSTAN)

G03 Science and Sustainability: Let's Build a Hydroponic (ITALY)

G02 Science Club - Learning Science in a sustainable way (PORTUGAL)

G01 The Colours of Nature – the Rouge of the Jeweller, Azure of the Sea, Red of the Berries (HUNGARY)

H11 The Fight Spheres (HUNGARY)

H10 Seismograph with Accelerometer (ITALY)

H09 How does your smartphone hurt your body (POLAND)

H08 Studying the environment using DIY ROVs and Drones (PORTUGAL)

H07 Soap bubbles on the wood (SLOVENIA)

H06 Inquiry activities with Bicarbonate Soda and Vinegar (SLOVAKIA)

H05 Urban trees as climate messengers (AUSTRIA)

H04 Growing food crops under extreme conditions (NETHERLANDS)

H03 Doctor, is my watercourse sick? Can we cure it? Adopt it? (CANADA)

H02 Weather Rotosmart (FRANCE)

H01 Energy: Look at its Forms! Find out its Conversions, in a...Fantastic Bike Ride! (GREECE)



EVENT PROJECTS | TABLE DISPOSITION

- I11** Life of plants (CZECH REPUBLIC)
- I10** Can you see the light? To see, feel and understand the properties of light (GERMANY)
- I09** Gaming Lab (GEORGIA)
- I08** Fighting against rural depopulation using technology: our mobile apps (SPAIN)
- I07** World Science Day as a tool to attain Sustainable Development (PORTUGAL)
- I06** If it is a legend it might be science (CANADA)
- I05** Let's build a sustainable future - together! (NORWAY - GERMANY)
- I04** Suitable and quality food for astronauts (BULGARIA - SPAIN)
- I03** ESCAPING with SCIENCE (CYPRUS - GREECE)
- I02** Physical Properties of Snow (SLOVAKIA - FINLAND)
- I01** Beyond the Water (ITALY - UNITED KINGDOM)

- J11** Moon Shelter (PORTUGAL)
- J10** Colours (POLAND)
- J09** Inspiring Technology (ITALY)
- J08** STEM Exploration through Rocket/Projectile Launching (IRELAND)
- J07** First Kiss with Science (HUNGARY)
- J06** Oh that gravity! (GREECE)
- J05** Hear Today - Gone Tomorrow (PORTUGAL - UNITED KINGDOM)
- J04** How did we get here? An evolutionary journey through time (IRELAND - DENMARK)
- J03** GeoQuest Project (ICELAND - ITALY)
- J02** CoALA - Code A Little Animal (SPAIN - GERMANY)
- J01** From the mouth to toilet (GERMANY - NETHERLANDS)

- K11** Construction of a myoelectric prosthesis (GERMANY)
- K10** DIY boats (for kids) (CZECH REPUBLIC)
- K09** Here Comes the Sun (CYPRUS)
- K08** Natural Pharmacy (BULGARIA)
- K07** Follow Hope (PORTUGAL)
- K06** The travel to the moon 2019 (DENMARK)
- K05** And yet it moves (LATVIA)
- K04** Play a role and learn (FINLAND)
- K03** Teens for kids (POLAND)
- K02** Creative Play-Doh (Creative Plasticine) (KAZAKHSTAN)
- K01** We become insulation experts! (GERMANY)

- L11** Can we power classroom objects with renewable energy? (UNITED KINGDOM)
- L10** Sensory integration in mathematics (UKRAINE)
- L09** Making chemical bonding crystal clear (SWEDEN)
- L08** Anishinabe Culture as a tool for science learning in the field (CANADA)
- L07** The Internet Too Hot To Handle (IRELAND)
- L06** Travel to the Land of Geometry (POLAND)
- L05** The effects of acid rain on plant growth (SPAIN)
- L04** Code for Mars (TURKEY)
- L03** Sing a Song of Science (UNITED KINGDOM)
- L02** Playing with Science (PORTUGAL)
- L01** Visit famous scientists and discoverers with us (CZECH REPUBLIC)

- M11** A Portuguese Song, for sure! (PORTUGAL)
- M10** A mysterious Cup (FRANCE)
- M09** Chemical reactions in petri dishes (BELGIUM)
- M08** Affordable experiment for every pupil (BULGARIA)
- M07** Experimental Box for Kids (AUSTRIA)
- M06** Geometry by Geogebra (TURKEY)
- M05** It's all in our hands (SWITZERLAND)
- M04** Sharing Science - Junior engineers for space exploration (FRANCE)
- M03** Learning by Solving Real Problems (HUNGARY)
- M02** Football, Space and Science Skills (UNITED KINGDOM)
- M01** Embodied Maths for 21st Century - Inclusive Education: An Innovative Learning Module (CYPRUS)

- N11** Development, manufacturing and testing of musical instruments (GERMANY)
- N10** A thousand paper cranes: Teaching radiation in context (UNITED KINGDOM)
- N09** Fresco and the Hidden Chem (ITALY)
- N08** High and low pressure (CZECH REPUBLIC)
- N07** History of Maths in Classroom: an educational challenge (PORTUGAL)
- N06** Bore-hole Making Machine "Woodpecker-1" (GEORGIA)
- N05** Developing a Science Capital Approach for Primary Schools (UNITED KINGDOM)
- N04** Mind Games (UKRAINE)
- N03** Physics and Chemistry's hands on activities for a blind student (SPAIN)
- N02** Crater and summit - two faces of a candle (GERMANY)
- N01** Exercise, well-being and measurement course in Jyväskylä Teacher Training School (FINLAND)

- O11** Searching for Pythagoras (SPAIN)
- O10** Cheap Science - Real Physics (BULGARIA)
- O09** Boni Science Center (NETHERLANDS)
- O08** Ionic Bond Puzzle (TURKEY)
- O07** Physics experiments with your smartphone (BELGIUM)
- O06** Magnifying Curiosity - Foldscopes (CANADA)
- O05** Experiments with gelatin and sugar (POLAND)
- O04** Four Fantastic Photosynthesis Experiments (GERMANY)
- O03** Aquasun (FRANCE)
- O02** Recycled sensors (PORTUGAL)
- O01** Be a magician! Using magic illusions to teach science (UNITED KINGDOM)

- P11** Biocube Project-Biodiversity-"Slow down and look at closely" (TURKEY)
- P10** The Hula Hoop Hundreds And Thousands Hadron Collider (United Kingdom)
- P09** Science, Robotics and Art (PORTUGAL)
- P08** Murder Case (NORWAY)
- P07** The Challenge of Quantum Reality (LITHUANIA)
- P06** Dinner for two (SLOVENIA)
- P05** MathsMagic (AUSTRIA)
- P04** Density and pressure through particle theory (IRELAND)
- P03** How Much Maths there is in Fruit and Vegetables! (ITALY)
- P02** Clothes peg and paper physics (SLOVAKIA)
- P01** Superficial Changes, New Properties! (SPAIN)



EVENT PROJECTS | TABLE DISPOSITION

- Q11** Simple experiments, big impact (BELGIUM)
- Q10** Project Time Machine (SWITZERLAND)
- Q09** Live, not survive! (LATVIA)
- Q08** Physics Laboratory from Electronic Waste (UKRAINE)
- Q07** The Tomato Project (GERMANY)
- Q06** Liquid world (BULGARIA)
- Q05** Multi-colored Chemistry (UKRAINE)
- Q04** Playing with sound (CZECH REPUBLIC)
- Q03** Dough, cow dung (oops... :) and science (GEORGIA)
- Q02** Experiment with scrapyard findings (SWEDEN)
- Q01** The physics and mathematics of 2-dimensional oscillations based on a DIY sandpendulum (BELGIUM)

- R11** To a low-carbon economy in the high school (SPAIN)
- R10** Oranges and Lemons (ITALY)
- R09** Build a winning windcar (NETHERLANDS)
- R08** My STEAM Demonstrations (KAZAKHSTAN)
- R07** How to see the sound and Curie engines (POLAND)
- R06** Predict - Observe - Explain (SLOVAKIA)
- R05** The Budding Researcher (NORWAY)
- R04** Using junk to make a device that collects energy from the Sun (UNITED KINGDOM)
- R03** The important Mr. Pigment (PORTUGAL)
- R02** GimLit fortress (SLOVENIA)
- R01** Simple experiments on breadboard in the classroom and at home, applied to education of electricity and to other areas of physics (HUNGARY)

- S08** Low-cost astrobiology studies (SPAIN)
- S07** Astronomy with Art (PORTUGAL)
- S06** Earth and its satellites threats coming from space (POLAND)
- S05** Control Moment Gyro (GREECE)
- S04** Dreaming stars to live better on earth (FRANCE)
- S03** Exoplanets and rocketscience (DENMARK)
- S02** Planetarium - a tent in the classroom and outside (BULGARIA)
- S01** Paper Rockets@Gibs (AUSTRIA)

- T01** From Earth...to Mars (GREECE)
- T02** Radio Station Connected Torre Vicens (SPAIN)
- T03** DIY Stargazer - Let's bring the stars to Earth! (SWEDEN)
- T04** Is a black hole at the Milky Way center? (ROMANIA)
- T05** The System Of Sun Tracking (UKRAINE)
- T06** Flash and thunder -Let's talk about energy! (SWEDEN)
- T07** Flying in the flow (FRANCE)

- U01** Magimatic (FRANCE)
- U02** Recycle, play, discover - alternative to expensive toys (BULGARIA)
- U03** Using a smartphone as an IR spectrometer (BELGIUM)
- U04** The Periodic Table of the Smartphone (PORTUGAL)
- U05** You're Fired! A Dramatic Approach to Primary Science (UNITED KINGDOM)
- U06** Verification of the physical model in computer games by motion analysis (GERMANY)

- V01** STEAM for STEM (ITALY)
- V02** Embodied simulations (NETHERLANDS)
- V03** Top model (POLAND)
- V04** Tannin - tan for leather, ink or medicine (SLOVENIA)
- V05** What does the Umami Taste? (SPAIN)
- V06** Physics out of the Pocket (UKRAINE)

- Y01** Simple spectrophotometer (SWITZERLAND)
- Y02** Funny Labyrinth (TURKEY)