



Brno
Observatory
and Planetarium



FULLDOME FESTIVAL BRNO 2019



FULLDOME FESTIVAL BRNO

CATALOGUE OF SHOWS

AMERICAN WEST 8K

08:00



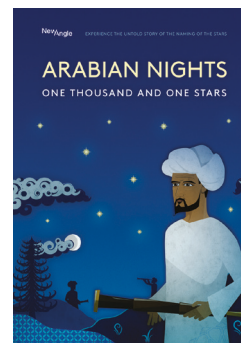
This short film shows real starry starry nights of American West. You can sit on the planetarium and travel to famous places such as the Grand Canyon, Arches, Monument Valley and etc. This was made with 8K ultra high resolution using several cameras. Your theater is not 8K? It still looks great at 6K and 4K.

Produced and Directed by Kwon O Chul
kwon572@gmail.com • 2D • 8K



ARABIAN NIGHTS: ONE THOUSAND AND ONE STARS

17:30



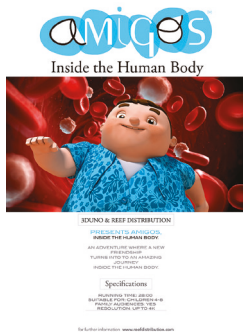
Why do many of the brightest stars have Arabic names? As the moon rises over Kuwait City, a mother reads a book at bedtime to eager children, transporting us all back to the golden age of Islamic astronomy. See the night sky in a new light. Hear from colourful characters: a Bedouin girl, a famous Caliph, Al Sufi the astronomer. At the end, the inspired children soar across the Universe in their imaginations: the story of astronomy, a quest for discovery, can continue in us all.

Produced by Newangle (Becky Salomons, Mariam Taraif) • Directed by Newangle (Mark Herbert)
hello@newangle.co.uk • 2D • 4K



AMIGOS

28:00



Come with us on an incredible journey to the inside of the human body where the audience will not only learn what the different parts of the body are and where they are situated, but also how to look after them and keep them healthy through hygiene tips, a good diet and a healthy lifestyle in general. Three children and a dog learn from the inside how the sense of sight works, about the brain, how our body is fed by oxygen, about the heart's mechanism and our digestive system. They will also have to help the body to fight off an invader, Viron, who will try to provoke bad illnesses and finish them off as well.

Produced by 3Duno, Mariano Rodilana • Directed by Mariano Rodilana
a.hahn@reef-distribution.com • 3D • 4K



ASTROBIOLOGY II: ASTEROIDS

18:00



Learn about the most important meteorites that have fallen on earth and the social impact they have brought about, a movie made by students

Produced and Directed by Avilix Nevarez Ramos
avilix@ciencias.unam.mx • 2D • 4K



ÁRÓRA

21:00



An immersive experience about the beauty of Auroras. Take a journey across time and space to understand the science behind the phenomena and to experience the stories of our ancestors. Guided by the lullaby of the Dawn Goddess. This cinematic adventure invites the audience to join the dance of these eerie lights over remote Icelandic landscapes.

Produced by Maryse De Lottinville • Directed by Tommy Caron, Sarah Ouellet
tommy@realisations.net • 2D • 6K



BIRTH OF PLANET EARTH

24:00



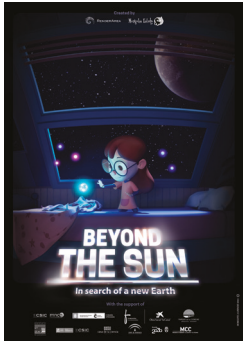
Birth of Planet Earth tells the twisted tale of our planet's origins. Scientists now believe that our galaxy is filled with solar systems, including up to a billion planets roughly the size of our own. The film employs advanced, data-driven, cinematic-quality visualizations to explore some of the greatest questions in science today: How did Earth become a living planet in the wake of our solar system's violent birth? What does its history tell us about our chances of finding other worlds that are truly Earth-like? This project has been made possible with support from the Commonwealth of Pennsylvania and the Greater Philadelphia Film Office; funded in part by the National Science Foundation.

Produced by Spitz Creative Media, NCSA's Advanced Visualization Lab, Thomas Lucas Productions, Inc., in association with Tellus Science Museum • Directed by Thomas Lucas
mbruno@spitzinc.com • 2D • 4K



BEYOND THE SUN

26:00



Celeste is a little girl who wants to explore the Universe, find new Earths and know how to find exoplanets. While Celeste is fighting off sleep in her room by reading on astronomy book she receives an unexpected visit from Moon. Together, they will enjoy a journey through the Universe to discover what exoplanets are and how they can be detected. They observe rogue planets, oceanic worlds and super-Earths. Moon tells her about exoplanet hunters, who observe the sky in search of planets like Earth.

Produced by Render Area / Monigotes Estudio 2.0 • Directed by Javier Bollain
jbollain@renderarea.com • 2D • 4K



CAPCOM GO! THE APOLLO STORY

26:00



An immersive, historical documentary that showcases the achievements of the Apollo program and what it took to put the first human on the Moon. It introduces a new generation to the immense challenges they overcame and will inspire them to become the explorers, designers, engineers, thinkers and dreamers of the future.

Produced by NSC Creative • Directed by Max Crow
showsales@nsccreative.com • 3D • 4K



BLAST OFF (WIP)

01:30



Blast off into the world of rocketry. Learn about the spacecraft that propel people and their precious cargo into orbit and beyond.

Produced and Directed by Paul Jones
paul.jones.vfx@gmail.com • 2D • 4K



DO WE DRINK WATER FROM COMETS?

40:00



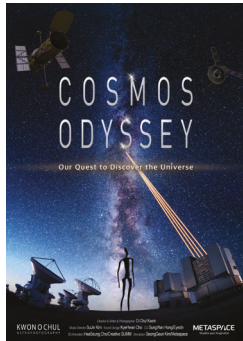
Water is a basic condition for the emergence of life. This relatively simple compound, consisting of two hydrogen atoms and one oxygen atom, is found on Earth in gaseous, liquid and solid forms. Water accounts for most of Earth's surface. Water makes up most of our body by weight. However, one fundamental question is left unanswered: where did all that water come from? Perhaps, the answer is more complex than anyone might expect.

Produced by 3D Planetarium Techmania Science Center • Directed by Tomáš Meiser
tomas.meiser@techmania.cz • 3D • 4K



COSMOS ODYSSEY – OUR QUEST TO DISCOVER THE UNIVERSE

29:00



The History of the Universe and of the Human Effort to Understand It! The scope of the universe as understood by humankind has expanded with the development of astronomy. Starting from the mythological universe of ancient times, let us explore the Ptolemy's geocentric theory, the heliocentric theory, the revolution brought by the invention of the telescope, spectrum analysis, and the latest technologies in today's astronomical observatories.

Produced and Directed by Kwon O Chul
kwon572@gmail.com • 2D • 4K/6K/8K



EXO

33:00



Humankind has always sought to understand the mysteries of the Universe and speculated about the possibility of extraterrestrial life. Today we know of thousands of exoplanets — planets located outside our Solar System — offer about our own planet, its origins and life on Earth. We're on the cusp of making some fascinating discoveries. But how will they change our lives? This "feel good movie" about life and the search for exoplanets is intended to be celebratory, positive and exciting. The Rio Tinto Alcan Planetarium team hopes to get audiences interested not only in astronomy research, but also in creating connections between ourselves and the extraterrestrial life that may be out there in the universe.

Produced by Planetarium Rio Tinto Alcan / Espace pour la vie • Directed by Sebastien Gauthier
Sebastien.a.Gauthier@ville.montreal.qc.ca • 2D • 4K



DREAM TO FLY (OOC)

35:00



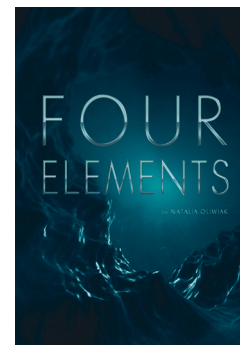
Discover the mystery of flight with Leonardo da Vinci, Montgolfier brothers, Wright brothers and other inventors. Experience the adventure and find out how this immense and challenging dream, for which mankind has strived since the beginning of history came true. Dream to Fly is a poetic story about the history of aviation. The aim of the film is to present the development of aviation through the ages in an interesting and innovative way. It presents the milestones on our route to conquering the skies – both in terms of technological breakthroughs, as well as our perceptions on flying itself. Rich full-dome visuals, beautiful music composed for the show and a poetic narration makes this show an exceptional artwork. The message to the viewers is to be open to new ideas and to pursue our dreams.

Produced by Maciej Ligowski • Directed by Paulina Majda
ewa.radlo@kopernik.org.pl • 3D • 4K



FOUR ELEMENTS

16:30



Four elements – the full-dome animation about immeasurable power of elements: water, air, earth, fire. In poetic pictures we can see the increasing force of elements that can be contemplative and relaxing but also destructive and terrifying, which makes a human being defenseless. It's also a reflection of our emotions, personification of the primary images encoded in our subconsciousness. Through that images, we can escape from surrounding reality and embark on an immersive journey across the elementary phenomena to the inside of our soul.

Produced and Directed by Natalia Oliwiak
natalia.oliwiak@gmail.com • 2D • 4K



EXPLORE

27:00



Have you ever wondered how a spacecraft can navigate accurately to a space station travelling at 20 times the speed of sound? EXPLORE is the latest production of Maciej Ligowski. The film presents a broad selection of science in a modern and accessible way, in a story that revolves around the ambition to colonise Mars—a topic at the forefront of current trends in space adventure films for the giant screen. High quality visuals, custom composed music, and professional narration all serve a single purpose: to enhance the audience's immersive experience.

Produced by Creative Planet • Directed by Maciej Ligowski
maciej@creative-pla.net • 3D • 4K



FUKUSHIMA RENAISSANCE

07:00



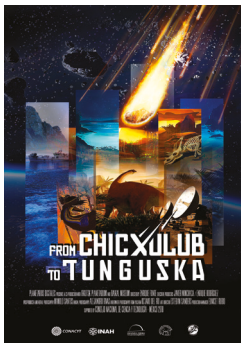
Fukushima prefecture, located in northern part of Japan was seriously damaged by the great earthquake of 2011 and consequential accident at a nuclear power plant. We would like to introduce a show which was created for a 360 theatre placed at the Fukushima Prefectural Center for Environmental Creation, which is founded for the purpose of supporting Fukushima's rehabilitation and investigating influence of radiation escaped from the power plant over long term. This show introduces about Fukushima's beautiful nature, traditional culture, and how people are working on to remove radiation's influence from their lives. People in Fukushima prefecture strongly wish to let the world know present situation of Fukushima. We hope this show can be the one of the way to convey thought of people in Fukushima to the world.

Produced Fukushima Prefectural Centre for Environmental Creation • Directed by Maki Uchida
y0807sat@goto.co.jp • 2D • 4K



FROM CHICXULUB TO TUNGUSKA

28:00



The Earth has been the victim of big phenomenons that have modified the course of life, among them are the strong impact of Chicxulub 65 million year ago and the controversial Tunguska event in 1908. We'll travel around the planet to find the similarities and consequences that this events have had in the planet as we know it.

Produced by Planetarios Digitales • Directed by Enrique Fonte
hum.sanders@gmail.com • 2D • 4K



IMAGINE THE MOON

26:15



Imagine the Moon explores how the Moon has inspired human creativity throughout history. Each discovery brought new opportunities to contemplate and imagine, until we traveled there in the amazing journeys that culminated in astronauts walking on the Moon. People have imagined the Moon as a glowing disk in the sky, a destination, and a world that shares its origin with the Earth. Imagination continues to inspire our relationship with the Moon as our partner in space and companion in our sky.

Produced by Adler Planetarium • Directed by Patrick McPike
msmail@adlerplanetarium.org • 2D • 4K



HABITABLE MOON

32:00



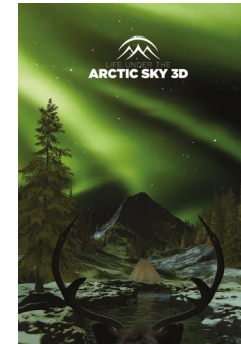
The question of the appearance of the moon has long worried people. What are the hypotheses of the origin of our satellite? How has more than four billion years passed? What do we know about the moon today? To answer all the questions, we will make a trip to the moon, see the ancient surface of our satellite, descend to the bottom of giant craters, find water in them, go to the south pole of the Moon, admire the lunar starry sky. After landing on the surface of the Moon, we will follow the flight of the comet, observe a total solar eclipse and feel ourselves the first inhabitants of the lunar base.

Produced by Moscow Planetarium • Directed by Tamara Stolbova
t.khmeleva@planetarium-moscow.ru • 2D • 4K



LIFE UNDER THE ARCTIC SKY

31:00



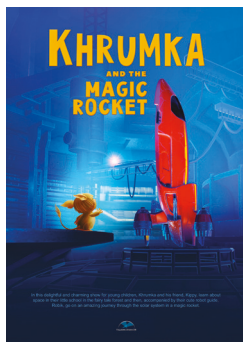
Two hundred miles North of the Arctic Circle, near the jagged tips of Norway's crown, the Sun does not set for weeks on end during the Summer months, and the midnight Sun bounces off fields of midsummer snow. Sami herders call their work boazovázzi, which translates as „reindeer walker,” and that's exactly what herders once did, following the fast-paced animals on foot or wooden skis as they sought out the best grazing grounds over hundreds of miles of terrain. In the Sami's homeland, spread across northern Norway, Sweden, Finland, and Russia, the notion of time is untethered from the cycles of the sun and is yoked instead to something far more important: the movement of the reindeer. During the long winter nights the Northern Lights lit up the Arctic Sky above. A mesmerizing spectacle described by ancient Myths and only recently explained by modern science.

Produced by Winner Audio & Video corporation/Mirage3D • Directed by Robin Sip
obinm3d@gmail.com • 3D • 4K



KHRUMKA AND THE MAGIC ROCKET

32:00



In this show for children, Khrumka and his friend Kippy, learn about space in their little school in the fairy tale forest and then, accompanied by cute robot guide, Robik, go on an amazing journey through the Solar System in a magic rocket.

Produced and Directed by Filipova Iryna
filippova_iv@yahoo.com • 2D • 4K



MAGIC GLOBE (WIP)

01:00



An adventurous girl, whose mother is pregnant is forced to spend her holidays at grandpa's house in the village. During her stay, Mia meets an eccentric uncle, who manipulates her to take part in his game of getting rid of seasons. Along the way, Mia understands the consequences and resists. But her uncle is unwilling to give up... Magic Globe is an animated feature full-dome film with advanced science concepts wrapped in emotional and intriguing story.

Produced by Creative Planet • Directed by Maciej Ligowski
maciej@creative-pla.net • 2D • 8K



LUCIA, THE SECRET OF SHOOTING STARS 31:00



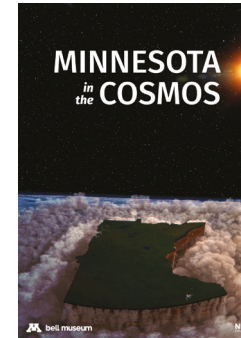
Vladimir, a polar bear and James, a penguin, travel into space aboard the Polaris to study polar auroras. Hit by a meteorite, they crash at the foot of a pre-Columbian pyramid and meet Lucia, a hummingbird who is passionate about rocks. She tells them about a legend evoking “stones of light”. Meteorites, shooting stars, these “stones of light” intrigue them all. In order to solve this enigma, they board for the Moon, then the asteroid belt, and finally land on a comet nucleus. Who is having fun throwing stones from space? Hypotheses, observations and analyses will allow them to find answers to their questions back on Earth!

Produced by Planétarium de Saint-Étienne Production • Directed by Laurent Asselin
clarisse.rodier@rsacosmos.com • 3D • 4K



MINNESOTA IN THE COSMOS

22:00



Minnesota in the Cosmos is the first Bell Museum original production. The story explores the formation of the universe from a uniquely Minnesota perspective, investigating the deep cosmic and geological history of the land beneath our feet as seen through the eyes of a boy on a field trip to Interstate State Park in Taylors Falls, Minnesota.

Produced by NSC Creative • Directed by Max Crow
showsales@nsccreative.com • 2D • 4K



MARS 1001

52:00



An international crew of astronauts is about to embark on the first interplanetary journey in history, the first manned mission to the surface of Mars. Reporter Miles O'Brien is reporting live from his Space Headquarters TV Studio in New York while events unfold for the crew on their 1001 day long mission. The explorers will be extending our knowledge of Mars and will be learning whether or not mankind has a future among the stars. Experience the thrill of the grandest mission of exploration ever undertaken!

Produced by Mirage3D • Directed by Robin Sip
rsip@mirage3d.nl • 2D • 8K



NINGALOO: AUSTRALIA'S OTHER GREAT REEF

25:00



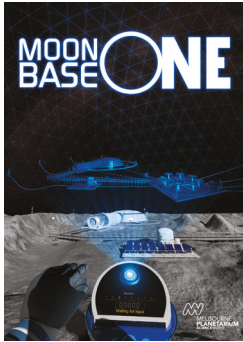
A magical expedition with marine biologist , Anna Cresswell, revealing intimate secrets of Ningaloo Reef, the world's largest fringing coral reef. Ningaloo Reef is visible from space and stretches along the north west coast of Western Australia. We dive below the surface in a two-person submarine, Odyssey, on an underwater adventure. Rich in coral, we travel this underwater highway for the planet's largest and smallest fish, including the whale shark. The live action full dome Show is an immersive voyage of discovery as we witness Ningaloo and the rare natural wonder and spectacle of life – the annual coral spawning.

Produced by Prospero Productions • Directed by Russel Vines
tratterman@biganddigital.com • 2D • 4K



MOONBASE ONE

28:00



Moonbase ONE is the latest fulldome show from the Melbourne Planetarium. Taking place across the night of a full moon, we join a Virtual Reality games developer as she struggles to work out what is wrong with her new game. The game is set on the Moon and it is all based on real science. Its due for launch, but there's a problem. Could the bug be something to do with the phases of the Moon or how it was formed? The Moon has always captivated humanity, inspiring us to leave the world behind and venture into space. Come on an amazing adventure as we strive to understand our magnificent neighbor the Moon.

Produced by Museums Victoria • Directed by Warik Lawrance
wlawrance@museum.vic.gov.au • 2D • 4K



POLARIS, THE SPACE SUBMARINE AND THE MYSTERY OF THE POLAR NIGHT

29:00



James, a penguin from the South Pole, and Vladimir, a bear from the North Pole wonder why the night is so long at their homes. Trying to solve this mystery, their adventure leads them to build an observatory and to travel around the Earth, Mars and Saturn. They finally get their answer and discover that the planets have similarities but also differences.

Produced by Planétarium de Saint-Étienne Production • Directed by Eric Frappa
clarisse.rodier@rsacosmos.com • 3D • 4K



PLANETS 360: CLASSIC VERSION

53:00



The Planets 360 is a re-imagining of British composer Gustav Holst's The Planets orchestral suite. It uses the awe-inspiring Fulldome format to create a sonically driven and immersive experience. Each movement is self-contained so that the perfect playlist for each audience can be created by choosing classic or contemporary interpretations of each planet. The show aims to bring new audiences to the dome by fusing art, music and science into a 360° spectacle.

Produced by NSC Creative • Directed by Paul Mowbray
showsales@nsccreative.com • 2D • 4K



SKY TOUR

35:00



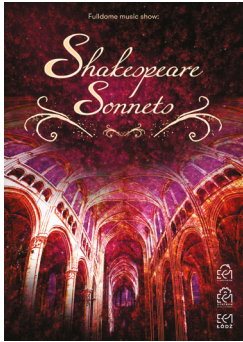
In pursuit of the world's ever-changing starlit skies. Journey across beautiful landscapes, oceans and continents to discover the different views into space that our planet offers. Watch the Southern Cross and Milky Way slowly move across the sky as you are immersed in beautiful timelapse imagery. Then enter the magical dream-world of Salar de Uyuni, where the universe is seen reflected within a giant natural mirror. Then leave our planet to travel through space in beautiful simulations that reveal the true nature of our galaxy. Explore North America, Hawaii, Australia, Bolivia, New Zealand. A breathtaking film, incorporating timelapse footage gathered over three years of world travel. Our journey starts in the far north in the aurora-lit skies of Iceland. As we travel slowly southward, the Moon moves differently and new stars and distant galaxies can be seen. Computer graphics are used to show why our view of the Universe changes as we travel to new lands. Find out why latitude is the key to your viewpoint, and discover the true nature of the majestic Milky Way that arches across our skies.

Produced and Directed by KAGAYA Studio
y0807sat@goto.co.jp • 2D • 4K



SHAKESPEARE'S SONNETS

10:00



Love sonnets sung by Stanislaw Soyka. Sensitive emotions captured with help of fulldome animation transform the classic work of literature into a modern series of allegorical stories perceived both by the mind and fully engaged senses. Suitable for all audiences.

Produced by EC1 Łódź Miasto Kultury w Łodzi • Directed by Błażej Moder
t.kisiel@ec1lodz.pl • 2D • 4K



SPHERE

45:00



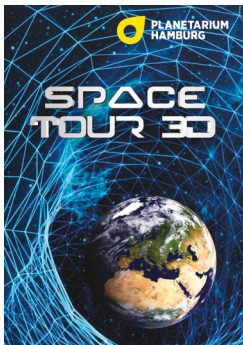
Award-winning German composer Robot Koch joins forces with visual artist Mickael Le Goff to present Sphere, an audiovisual show designed especially for planetariums/full-dome structures. The Show will take the audience on a trip through space and time, oscillating between dark, synth-driven science-fiction moments and blissful suspension, carried by lush string arrangements. The immersive full-dome show will feature custom made projection visuals and music composed specifically for a 3D sound environment. The world premiere of Sphere at Zeiss Planetarium Berlin was sold out immediately. Le Goff and Koch are currently working on a VR adaption of the show as well.

Produced and Directed by Robert Koch, Mickael Le Goff
vjdot@aol.com • 2D • 8K



SPACETOUR

35:00



Get to know planets, stars and the unimaginable depths of space in a spectacular way - without leaving your comfortable chair in the Planetarium. SPACETOUR 3D invites you on a virtual flight through the universe, in which the spatial structure of the cosmos almost "catches the eye". Your space navigator takes you on this live tour from earth through the solar system and out into the expanse of stars and galaxies. The depths of the universe can be experienced in three dimensions. Never have the stars been so close and the cosmos so vivid as on this trip! This enormously successful program of Hamburg Planetarium will be presented internationally for the first time at FFB - live and in 3D!

Produced by Planetarium Hamburg • Directed by Thomas W. Kraupe
tomkraupe@gmail.com • 3D • 8K



THE ADVENTURES OF CLAWS AND GREEN

20:00



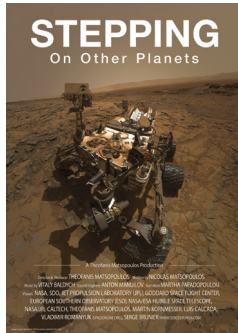
A cougar and a green lizard, two native animals of the Pampa de Achala, province of Córdoba, must fulfill a very special and spatial mission: to reach Pluto to look for a very important material in the core of that planet. Captain Claws is a relentless scientist in her task who must renege on her formula mate, Green, whose occurrences invite the public to learn a little more about the solar system.

Produced and Directed by Vicky Rubinstein
vickyrubinstein@gmail.com • 2D • 4K



STEPPING ON OTHER PLANETS

29:00



Humans are the most advanced form of life on the small blue planet of our Solar System, called Earth. Their complex brain always poses questions and is eagerly searching for answers. They achieved to explore Earth and then turned to the Universe. Then, Earth seemed to them small and the desire to conquer other planets was born. The fulldome documentary "Stepping on other planets" describes, in a simple and understandable way—along with stunning visuals, the other planets and the human efforts for the exploration and conquest of the closest to Earth heavenly bodies as the Moon and planet Mars.

Produced and Directed by Theofanis Matsopoulos
fanismatsopoulos@gmail.com • 2D • 4K



THE APOLLO 11 MISSION

12:30



The Apollo 11 mission with all the details and chronological phases. Made for the 50th anniversary of Man on the Moon.

Produced and Directed Lionel Ruiz
lionel.ruiz@live.fr • 2D • 4K



THE ADVENTURES OF ROSETTA & PHILAE

26:30



Join Rosetta and her lander Philae on a wonderful journey to the comet Chury. They travelled for more than ten years and experienced lots of exciting things. Little Philae eventually managed to land on the comet and explore it more closely. Come along on the adventure and find out what secrets Philae and Rosetta were able to unveil.

Produced by Björn Brockmann, Sebastian D. Marcu, Marc Horat • Directed by Björn Brockmann
marc.horat@verkehrshaus.ch • 2D • 4K



THE FACTORY

10:00



There are plenty of strange places around us. Many of them are almost impossible to describe. They can be explored. It's hard to imagine somebody does it. It's difficult to recognize it happens. – Find yourself in the middle of the space you hardly have been before. Spend one extraordinary night of one extraordinary life – to the very end.

Produced by Zoox • Directed by M.i.X
m.i.x@planetum.cz • 2D • 4K



THE BALTIC SEA

28:00



The Baltic Sea is an underwater adventure that begins from the microscopic foundations of our sea. Microscopic plankton, invisible to the human eye, is the basis for life on earth as we know it. We explore the creatures of the sea using cutting edge microscopic and computed tomography tools. As we travel through the ecosystem, we encounter a variety of brackish water life on our way up to us – humans. Tens of millions of humans inhabit the coastlines of the sea and we are inevitably a big player in the whole ecosystem.

Produced and Directed Hannes Vartiainen, Pekka Veikkolainen
hannes@pohjankonna.fi • 2D • 4K



THE GREAT WAKA

05:00



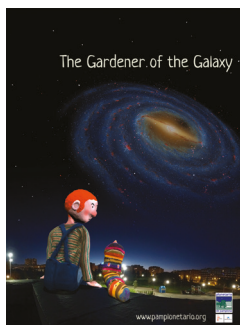
This New Zealand Maori tale tells the story of how a fisherman, Tamareriti, created the Milky Way with all its constellations and for the first time brought light to our Southern night skies. Look up at the night sky from The Pacific, and you'll see The Great Waka (canoe) stretching across the sky. Find out how this great waka came to be there and how through the ages it has been used by Polyensian sailors to navigate the southern seas.

Produced by Kara Vandeleur, Yael Gezentsvey • Directed by OHU Domes
kara@ohufx.com • 2D • 4K



THE GARDENER OF THE GALAXY

28:00



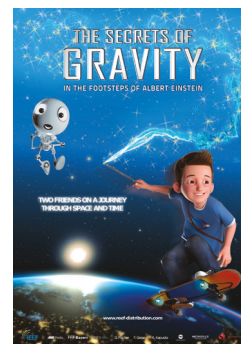
Inazio takes care of the Garden of the Galaxy, which represents the Milky Way. He spends his life between plants and flowers, although he dreams of going to space and traveling among the stars. The arrival of an endearing being from outer space will change the life of Inazio forever. Our galactic gardener will have the opportunity to have a close encounter with two real astronauts from the International Space Station. Throughout this journey Inazio enlighten his new friend Armstrong about the constellations during the different seasons.

Produced by Planetario de Pamplona • Directed by Raul Manzanal
nieves@pamplonetario.org • 2D • 4K



THE SECRETS OF GRAVITY

45:00



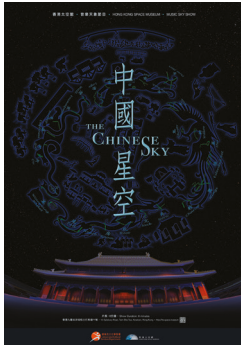
The young magician's apprentice LIMBRADUR is far more interested in the universe and its secrets than boring magic spells. He is fascinated by the stars, the universe and the laws of nature. So, one night he sneaks into the Albert Einstein Museum, where he meets ALBY3, a small, clever but rather quirky robot who knows all about Albert Einstein and his theories. ALBY takes LIMBRADUR on a magical journey of discovery through time and space, during which they not only uncover the secrets of gravity but also learn much about friendship and imagination. For LIMBRADUR and ALBY both have secrets of their own.

Produced and Directed by Dr. Peter Popp
a.hahn@reef-distribution.com • 3D • 4K



THE CHINESE SKY

05:30



Completed in October 2018, Music Planetarium Show “The Chinese Sky” is the latest production of the Hong Kong Space Museum. The ancient Chinese did not divide the sky up in a random manner. There are three enclosures which stand for palace, government and market-place respectively. There are also 28 mansions which the Moon passes one every night along its path. These lunar mansions can be further grouped into the four heavenly creatures known as the Four Images. So next time when you are gazing at the sky, it would be more interesting if you could connect these asterisms together in your imagination. The show has no narration or dialogue, just beautiful Chinese music as we believe nature speaks to us in its own language. One will find that the magnificent night sky can be appreciated visually as well as aurally.

Produced and Directed by Hong Kong Space Museum
schochan@lcsd.gov.hk • 2D • 4K



THE SUN, OUR LIVING STAR

25:00



The Sun has shone on our world for four and a half billion years. The light that warms our skin today has been felt by every person who has ever lived. It is our nearest star and our planet's powerhouse, the source of the energy that drives our winds, our weather and all life. The passage of the Sun's fiery disc across the sky – day by day, month by month – was the only way to keep track of time for countless past civilisations. Don't be fooled by the terminology; although it is a typical dwarf star, the Sun consumes 600 million tons of hydrogen each second and is 500 times as massive as all the planets combined. Discover the secrets of our star in this planetarium show and experience never-before-seen images of the Sun's violent surface in immersive full-dome format. Our team has worked with some of the most talented planetarium producers to bring you this visually striking planetarium show about the most important star in our lives.

Produced by ESO / Theofanis Matsopoulos • Directed by Theofanis Matsopoulos
fanismatsopoulos@gmail.com • 2D • 4K



THE SKY ABOVE

12:00



“Astro” means “star” in Greek, and “Labe” derives its name from the Greek word “Labio” meaning “Taker” or “Finder.” The astrolabe accordingly carries a very exciting name, literally meaning... “Star Finder.” Over a thousand-year period in Muslim Civilization, epoch-making discoveries and contributions, such as the first record of a star system outside our own galaxy were made. Also, astronomical instruments including celestial globes, armillary spheres, sextants and especially astrolabes were developed laying the foundation for modern-day astronomy. For example, according to Franz S Verlag, “Al-Farghani” wrote the first known substantial description of the astrolabe during the years 856–57 AD, the date of the startable, which was based on the Mumlahan Tables. People from Muslim Civilization continued to use and contribute extensively to this device that making astrolabes became an art. Today the oldest functional astrolabes discovered are mostly from Muslim Civilization and some of them sold at very high prices in auctions for their elegance and history. In this full-dome show, we will explore the origins of astrolabes, its types, uses and much more.

Produced and Directed by Amr Ellaithy
amr.ellaithy@yahoo.com • 2D • 4K



WE ARE STARS

26:00

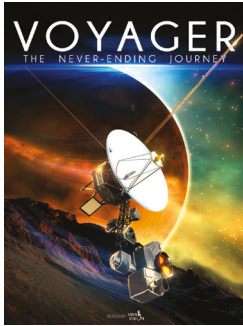


We Are Stars is the most immersive science documentary in the Universe! This 360°, 3D, high frame rate experience seeks to answer some of the biggest questions of all time. What are we made of? Where did it all come from? Explore the secrets of our cosmic chemistry and our explosive origins.

Produced by NSC Creative • Directed by Max Crow
alexg@nsccreative.com • 3D • 8K



VOYAGER: THE NEVER-ENDING JOURNEY 27:00



The show tells a thrilling story of the most remarkable space mission in human history. In 1977 two space probes were launched to explore the farthest planets of the Solar system: Jupiter, Saturn, Uranus and Neptune along with their moons. These spacecraft greatly enriched our knowledge of the distant worlds. Now after four decades they explore the interstellar space. Like two bottles launched into the cosmic ocean, both probes carry an interstellar message – the Golden Record, intended for any alien civilization.

Produced by UMA Vision • Directed by Yuriy Gapon
uma.vision.studio@gmail.com • 3D • 4K



ZEALANDIA

30:00



In 2017, a team of researchers announced the greatest geological discovery of our time: the existence of an eighth continent, almost completely submerged beneath the Pacific Ocean. How Zealandia became a refuge for one of the strangest collections of animals on the planet is a mystery 85 million years in the making. Journey through time to explore the weird and wonderful life on remote islands, survivors of the geological equivalent of Atlantis.

Produced and Directed by Oana Jones
oana.jones@otagomuseum.nz • 2D • 4K

