



DOME UNDER



CREATIVE VICTORIA

MELBOURNE
PLANETARIUM

A huge thank you to our generous sponsors

GOLD SPONSORS

Australasian Planetarium Society

The Australasian Planetarium Society (APS) is the primary organisation responsible for promoting the exchange of ideas, information, and experiences within the planetarium community in Australia, New Zealand, and the Australasian region.

The society has been operating since 1998 and represents all the major planetaria in Australia and New Zealand. The society meets annually and represents the Australasian Planetarium community within the International Planetarium Society (IPS).



CABAH

The Australian Research Council Centre of Excellence for Australian Biodiversity and Heritage (CABAH) is enhancing our understanding of Australia's unique cultural and natural history. Working with Deakin MotionLab, UOW Science Space and our Indigenous partners, CABAH created *The Earth Above: A Deep Time View of Australia's Epic History*, a planetarium film exploring diverse locations to tell a culturally inclusive and globally significant history of our region.



SILVER SPONSORS

California Academy of Sciences

The California Academy of Sciences is a renowned scientific and educational institution with a mission to regenerate the natural world through science, learning, and collaboration. Based in San Francisco's Golden Gate Park, it's home to a world-class aquarium, planetarium, and natural history museum, as well as innovative programs in scientific research and environmental education—all under one living roof.



BRONZE SPONSORS

American Museum of Natural History



License award-winning fulldome planetarium shows from the American Museum of Natural History and the Hayden Planetarium, one of the world's preeminent scientific and cultural institutions.

Inspire your audiences by bringing cutting-edge scientific data and spectacular visualisations to your digital planetarium dome. Created by a team of expert producers, directors, astrophysicists, and visual artists, our planetarium shows are immersive, educational, and entertaining.

Fulldome.pro



Founded in 2010 to introduce easy-to-use and cost-effective digital technology and dynamic programming to the planetarium industry, Fulldome.pro has emerged as a global leader in the immersive dome marketplace.

Our revolutionary patented hardware and software integration and auto-calibration technologies allow for fast, efficient, and highly reliable project production and set up.

Zeiss



ZEISS is making planetarium history - since 1923. 21 October of that year, Walther Bauersfeld, a member of the management board and brilliant designer, presented the world's first projection planetarium at the Deutsches Museum in Munich. This is regarded as the birth of the modern planetarium and ZEISS is its inventor. ZEISS is the only supplier that simultaneously develops, manufactures, installs, and services modern optical-mechanical planetarium projectors as well as digital full-dome systems and software for planetariums.

PARTNER

Grazeland



Grazeland is Melbourne's most exciting culinary precinct: a playground for foodies and families that brings tantalising food and entertainment together in one fabulous location.

Grazeland features live music and roving entertainers every weekend, in one incredible atmosphere that celebrates Melbourne's amazing food culture.

WELCOME

Welcome to the 2024 *Dome Under Film Festival*

The only fulldome film festival in Australia, *Dome Under* showcases the best fulldome cinema from around the world. This year marks the fourth edition of the festival, and as with previous years, we were truly astounded by the incredible range and quality of films submitted to our selection panel.

With a 360-degree format unique to planetariums, the fulldome cinema experience is truly transportive. It's a space-time machine, if you will. A time machine? Be transported back to 1518 when a dancing plague swept through Strasbourg, or be propelled 4000 years into the future when humans have pierced the walls of our universe. A space machine? Travel from the ocean floor to the asteroid belt and onto distant nebulae. And it's not just space and time, it's also scale. Experience being shrunk down to the sub-atomic scale, and then later expanded all the way out to the intergalactic scale of black holes. The festival covers a vast range of topics and sophistication for all audiences, from delightful tales narrated by four-year-olds to highly complex scientific concepts. And visual styles? The festival includes 2D hand drawn animation to computer generated fractal worlds, from live-action to mind-blowing special effects. Sounds like fun? We think so.

The 2024 festival program includes 26 films from 13 countries that cover a vast range of topics and genres. To help you navigate your way through the wonderful world of fulldome film, there's seven themed sessions with a selection of both short and longer films – Kid's Films, Astronomy, Music to Melt your Brain, Mind Blowing Art, World Stories, Future Visions and Art of Science. Hopefully the themes will pique your interest and you'll get the chance to enjoy more than just one session!

And now, before I leave you to enjoy this year's program, I would like to wholeheartedly thank all *Dome Under* and Melbourne Planetarium sponsors - the festival would not be possible without their generous support.

And lastly, I would like to thank you, our *Dome Under* festivalgoer for joining us for another year of ground-breaking fulldome film.

Warik Lawrance
Founder of the *Dome Under Film Festival*

DOME UNDER FILM FESTIVAL AWARDS

The Dome Under Film Festival jury will be awarding five Dome Under Awards in the following categories:

Best Astronomy Film

Best Children's Film

Best Narrative Film

Best Art Film

Best Short Film



INTRODUCING THE DOME UNDER FILM FESTIVAL JURY



Kate Barnard

Kate Barnard is a science communicator, educator, and manager with over 15 years' experience in scientific and cultural institutions including Questacon, CSIRO, PPIPTeK - the Science and Technology Centre of Indonesia, the Bendigo Discovery Centre and Planetarium, Scienceworks, and the Melbourne Planetarium. She currently works with Astronomy Australia Limited at the intersection of astronomy research, industry, and government.



Kate Fitzpatrick

Kate Fitzpatrick is a Programmer at the Melbourne International Film Festival. She has worked in the Arts for over 15 years for organisations such as Australian Centre for the Moving Image and occasionally does film criticism on Triple R and ABC radio. She has served on the jury for Melbourne Fringe, Melbourne Queer Film Festival and Revelations XR Festival in Perth and been mentor at Australian International Documentary Conference and SXSW Film Festival.



Alicia Sometimes

Alicia Sometimes is a writer and broadcaster. She has performed her spoken word and poetry at many venues, festivals, and events around the world. Her poems have been in *Best Australian Science Writing*, *Best Australian Poems* and more. She is director and co-writer of the science-poetry planetarium shows, *Elemental* and *Particle/Wave*. *Particle/Wave* has had sell-out seasons at the Melbourne International Arts Festival, World Science Festival Brisbane, and National Science Week. In 2023 she received ANAT's *Synapse Artist Residency* and co-created an art installation for Science Gallery Melbourne's exhibition, *Dark Matters*.

SESSION 1



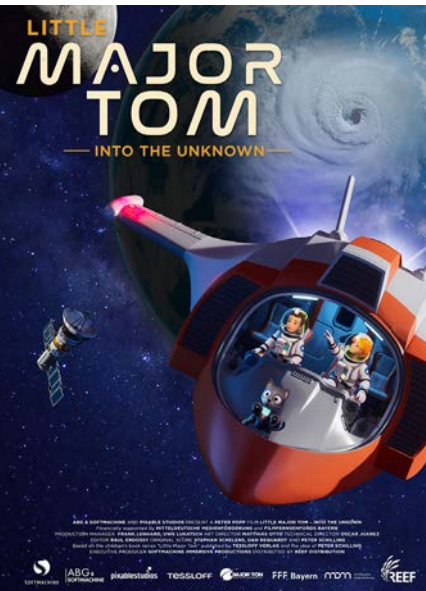
KID'S FILMS

Saturday 3 February 2:30 — 3:30pm

Once Upon... My Story!

Canada | 22mins | dir. Francis Gélinas

Once upon a time children were invited to let their imagination run free and tell stories using their own words. These charming, humorous adventures combine reality and fantasy, and immerse us in the unbridled imagination of children. *Once Upon... My Story!* celebrates the wit, spontaneity, and boundless imagination of young children. Everything is possible: frogs can fly, cookies grow on trees and one can sail a bunk bed like a ship. An absolute treat!



Little Major Tom—Into the Unknown

Germany | 26mins | dir. Peter Popp

Little Major Tom brings the characters of Tom and Stella exclusively to fulldome theatres in an exciting tale set in the year 2053. Teenaged friends Tom and Stella live, laugh, and train at Space Base 1, honing their astronaut skills as they float above Earth. Stella is ready to dive into any challenge, while Tom is panicking at the thought of completing his first-ever spacewalk. When a massive hurricane forms on Earth, Tom must put aside his fears and accept a difficult space mission. If Tom and Stella fail, the consequences could be devastating for them—and for Earth.

SESSION 2

ASTRONOMY

Saturday 3 February 3:45 — 5:15pm



Black Holes: Unknown Horizons

Columbia | 31mins | dir. César González Arranz, Rodrigo González Peinado & Telmo Fernández Castro

Black Holes force us to wonder about space, time, and gravity. Where do black holes come from? What secrets do they keep inside? Black holes are currently at the edge of our knowledge. Unravelling their mysteries are one of the most exciting challenges in human history. This knowledge will one day help us understand the past, present, and future of this exciting place we call the cosmos.



Asteroid Quest

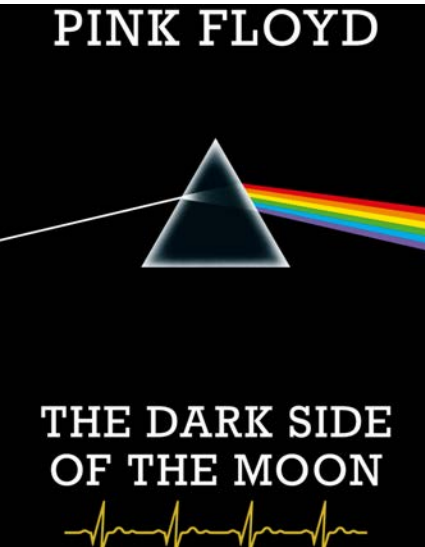
USA | 41mins | dir. Bertrand Loyer

Recently, major space agencies around the world have sent unmanned missions to asteroids. The most daring ones are collecting samples and bringing them back to Earth. These expeditions hold a host of surprises for researchers and shake up our understanding of these celestial bodies. At first glance, it appears unlikely that asteroids can be a threat to us. However, while some circle the sun like planets, others cross paths with Earth's orbit. What seemed like science fiction, has now become reality: to avoid a cataclysmic collision, we are currently learning how to deflect asteroids from their celestial path!

SESSION 3

MUSIC TO MELT YOUR BRAIN

Saturday 3 February 6:15 — 8:00pm



Pink Floyd—The Dark Side of the Moon

United Kingdom | 42mins | dir. Max Crow

Pink Floyd's iconic album *The Dark Side of the Moon*, originally released in March 1973, turns 50, and what more fitting a place to celebrate it and experience it than in a Planetarium, through the music set to visuals. With the help of modern technology, the idea of a show combining breath-taking views of the solar system and beyond, played out to 42 minutes of *The Dark Side of the Moon* in surround sound, has been embraced by the band. NSC Creative have led the visual production efforts, working closely with Pink Floyd's long time creative collaborator Aubrey Powell from Hipgnosis.



Recombination, The Fulldome Journey

Netherlands | 47mins | dir. Julius Horsthuis

The most recent project by visionary fractal artist Julius Horsthuis is an abstract journey through space, time, music, and mathematics. The film is a spectacular fulldome experience on themes from physics, mathematics, and biology. The viewer is taken on a journey through realities that only exist in the digital space, but which look like distant planets and the inner world of organic beings. Julius Horsthuis uses fractals, which are the result of mathematical formulas to create landscapes that seem to come straight out of science fiction. The original music, which further enhances the film's images, was composed by Michael Stearns, David Levy, Max Cooper, Desert Dwellers, Ben Lukas Boysen, Temple Invisible and Ott.

SESSION 4

MIND BLOWING ART

Saturday 3 February 8:15 — 9:45pm



Mirrored Madness

Germany | 6mins | dir. Patrick Doan

In *Mirrored Madness*, an ecosystem of cyber organisms unfurl their forms, pulsing to life with hyper complexity, revealing the sinuous contours of their intricate, biomorphic designs.

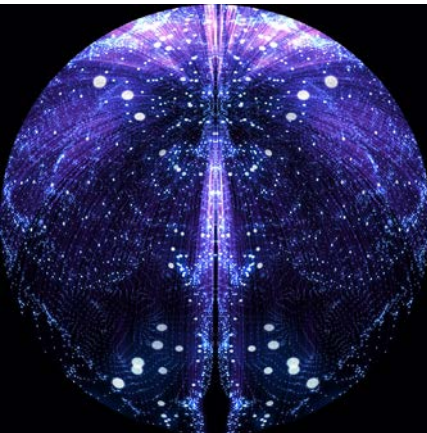
The dynamic visual aesthetic proposes a positive futurism, like a new digital bioarchitecture to frame the depth of sounds established in the concept behind SØS Gunver Ryberg's track from her album *SPINE* released on her label ARTERIAL.



undetermined outcome

Germany | 10mins | dir. Rocco Helmchen

An experimental audio-visual piece attempting to imagine something which cannot in fact be pictured. By stripping away layers of the real world it tries to visualise the strange cosmos of quantum mechanics and deconstructs reality into the indeterminable realm of fundamental particles. Focussing on emotion, confusion, and fascination, the film opens an interpretative gateway to a world which seems incomprehensible by everyday experience.



Exo-Cortex 3.0

France | 8mins | dir. Jérémy Oury

Exo-Cortex 3.0 is an invitation to relax and succumb, guided by a voice that plunges us into a dreamlike and hypnotic introspection in a waking dream state. The film offers a journey through a poetic, spellbinding composition of space. Each stage transforms the site into a different digital visualisation, becoming a new object of contemplation in 360° motion.



Dancing with Dead Animals

Germany | 11mins | dir. Maarten Isaäk de Heer

Animation artist Maarten Isaäk de Heer was astonished by the huge number of animal deaths in his direct environment, from masses of fruit flies all dying together, to mice brought in by his own cat. He decided to make a record of all the dead creatures he encountered over the course of a single spring and summer. Making 3D photograms of their sometimes semi-decomposed bodies enabled him to bring them back to life, so they can dance with a contemporary Adam and Eve in a paradisiacal landscape of twigs, leaves, bark, and other dead organic material. The film draws the viewer into this celebration of life after death. It goes beyond good and evil, simply illustrating the same biology that governs us all.

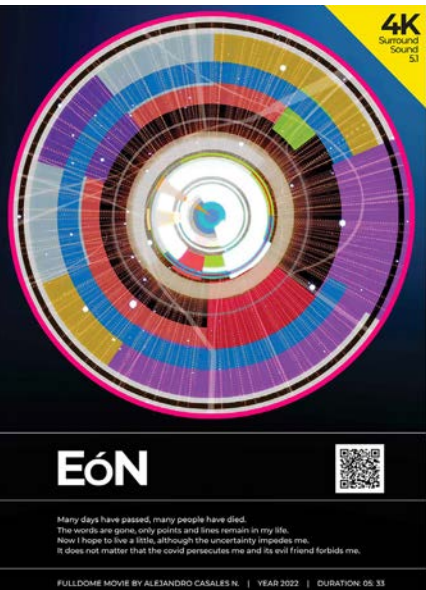


Asfixia

Germany | 3mins | dir. Briam Rolón

Asfixia focuses attention on a distressing yet reflective environment at the same time through a fluid and minimalist setting of space, characters, and sounds.

The film seeks to create a feeling of intense breathing in the audience. The inspiration for this piece comes from experiences with meditation and deep breathing exercises, where passing thoughts disturb the attempt for concentration and peace. It refers to the balance between two parts of the same being and the search for inner tranquillity, chaos, and harmony.



Eón

Mexico | 5mins | dir. Alejandro Casales Navarrete

After surviving the long quarantine caused by the COVID19 virus, Alejandro began to create a visual music piece for planetariums. The film uses colourful high-contrast imagery, movement, music, rhythm, and poetry to express the desire to survive confinement that lasted more than a year.

Many days have passed, many people have died.
The words are gone, only points and lines remain in my life.
Now I hope to live a little, although the uncertainty impedes me.
It does not matter that the covid persecutes me and its evil friend forbids me.

FULLDOHE MOVIE BY ALEJANDRO CASALES N. | YEAR 2022 | DURATION: 05:33



XYZZY

New Zealand | 41mins | dir. Jess Johnson and Simon Ward

XYZZY will lead you on a psychedelic musical odyssey through the complex fictional world the artists have been evolving over a decade-long collaborative practice. Video director Simon Ward created *XYZZY* by translating Jess's hand-drawn compositions into animated webs of flesh mandalas, self-replicating architecture, undulating worms, hallucinogenic pattern, and messianic alien deities. The dynamic visual atmosphere is charged with 90s-inspired electronic synthesiser tracks from musicians Andrew Clarke, Luke Rowell, Stef Animal and Lachlan Anderson.

SESSION 5

WORLD STORIES

Sunday 4 February 2:30 – 4:00pm



Faoladh

Republic of Ireland | 8mins | dir. Declan Dowling

Faoladh is a film that follows the perilous journey of a ninth century Irish child whose village is attacked by Viking raiders. In the film you take on the role of a wolf-like guardian spirit and protector of the children from the woods of ancient Ireland.



The Earth Above: A Deep Time View of Australia's Epic History

Australia | 28mins | dir. The Ruwe Collective

A feature-length full-dome planetarium show from the Australian Research Council Centre of Excellence for Australian Biodiversity and Heritage (CABAH) produced by the Deakin MotionLab in collaboration with First Nations communities and UOW Science Space. The show explores Australia's past 140,000 years, incorporating traditional and scientific knowledges to tell Australia's epic story and transport viewers to four locations: Girraween Lagoon on Larrakia and Wulna Country outside Darwin in the NT; Cloggs Cave on GunaiKurnai Country in Victoria's East Gippsland region; Lake Mungo in NSW on the land of the Barkandji/Paakantyi, Ngiyampaa and Mutthi people; and Jiigurru (Lizard Island) on the Great Barrier Reef, which is sacred to many, including the Dingaal community.



The Voyage of Arka Kinari

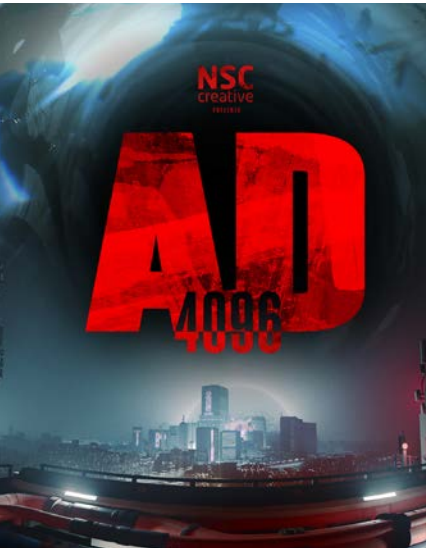
Wales | 25mins | dir. Janire Najera and Matt Wright

This documentary film about the extraordinary journey aboard the 70-tonne sailing ship, Arka Kinari, ingeniously transformed into a cultural platform to amplify the urgent call for action on the climate crisis. Delve into the inspiring voyage across oceans of musicians Filastine & Nova, connecting distant shores through the unifying language of music and art to raise awareness about climate resilience on a global scale. *The Voyage of Arka Kinari* presents a vision of a nomadic lifestyle in a porous and borderless future, exploring life after the carbon economy, resilience to climate change, and re-engagement with the sea.

SESSION 6

FUTURE VISIONS

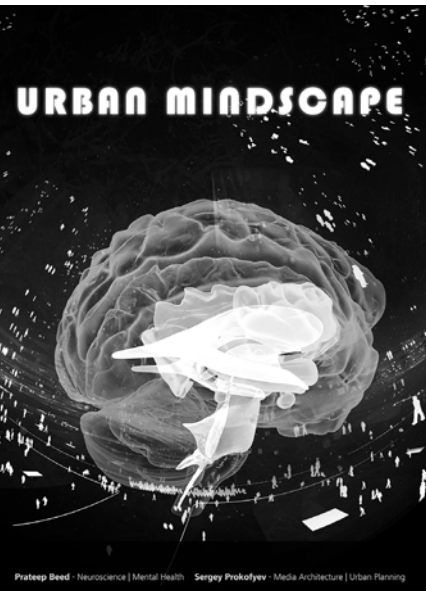
Sunday 4 February 4:15 – 5:30pm



4096AD

United Kingdom | 4mins | dir. NSC Creative

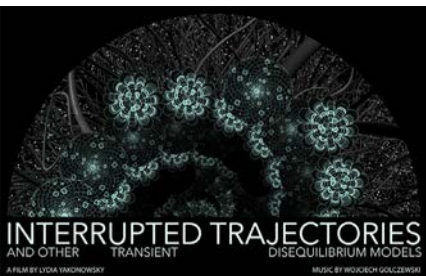
It is 4096AD and the human race has managed to pierce the walls of our universe allowing us to travel through infinite worlds. We have crafted hardy specialist robots to gather information on what lies beyond. In our tale we follow “RD” the drone explorer on its journey fraught with danger.



Urban Mindscape

Germany | 5mins | dir. Sergey Prokofyev and Prateep Beed

Urban Mindscape explores how humans perceive and navigate through space in urban environments. By combining neuroscience and architecture research study with cutting-edge technology, *Urban Mindscape* offers a glimpse into the future of designing human-centric cities that offer exceptional standards of living.



Interrupted trajectories and other transient disequilibrium models

Canada | 4mins | dir. Lydia Yakonowsky

In her second short film, Lydia Yakonowsky explores sudden and involuntary shifts in projected trajectories. A succession of scattered data point grids are intertwined with unnerving spirals, and mathematical objects whose meaning change depending on the light source.

A striking commentary, both on economic forecasting models and on periods of major changes.



Moonbase—The Next Step

United Kingdom | 20mins | dir. Graham Watts- Creative Director and Simon Clarke- Executive Creative Director

Moonbase – The Next Step is the story of this human endeavor, pushing scientific and technological advances to the limit. Travelling the 250, 000 miles and surviving the hostile and alien conditions of reduced gravity, extreme temperatures, and toxic lunar dust, we explain the science and technology that was needed for this brave mission to happen. Follow our story filled with awe, danger, trepidation and share the wonder of the lunar environment. Prepare for a hostile and breath-taking lunar experience...



EROS

United Kingdom | 4min | dir. Daniel Hambly

EROS is a story about friendship and loss, explored through one man's journey of catharsis. We follow a helmet-clad deep space miner, in a perilous pilgrimage to honour the passing of a fallen comrade. Aeons may pass, but a friendship is eternal.



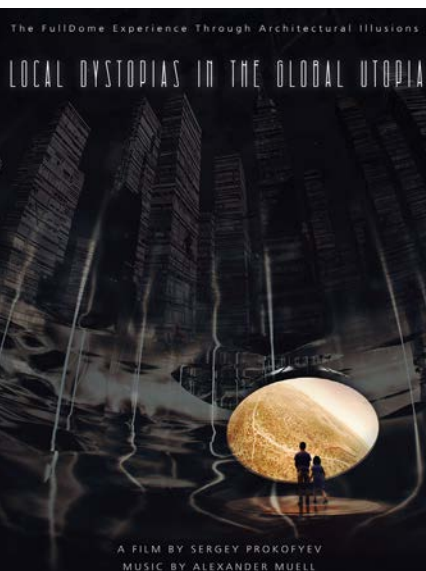
Destin

France | 4min | dir. Jérémy Oury & Ludovic Finck

Destin is an invitation to travel into the future of our universe by building the most beautiful and breathtaking set with 360° projection: our imagination.

Let us envisage for a moment that we can travel into space. A small group of people, here in the planetarium, are chosen to leave Earth and discover the destiny of our universe by embarking on a journey through nebulae and other celestial objects.

Like the Voyager 1 and 2 probes, *Destin* evokes the hope and excitement of space exploration beyond our solar system.



Local Dystopias in the Global Utopia

Germany | 22min | dir. Sergey Prokofyev

In a sprawling desert, a unique immersive experience unfolds through multiple dome screens, each depicting a distinct architectural tale.

Journeying through three dystopian worlds, we first explore 'High Rise Cult', a forsaken village where wooden skyscraper replicas are buoyed by balloons. Next, 'The Doomed City' draws us into a city birthed in no man's land, influenced by a painting by Nicholas Roerich. Concluding 'Phygital Limbo', a perplexing digital environment is continuously stimulated by synthetic engine based on human emotions. Being here is akin to experiencing a conscious collective dream.

SESSION 7

ART OF SCIENCE

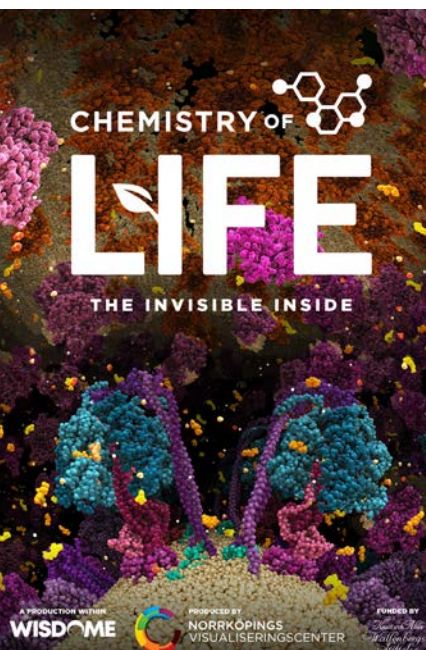
Sunday 4 February 6:30 — 8:15pm



Entrez dans la danse

Canada | 18mins | dir. Julie Desmet Weaver

Entrez dans la danse is a unique experience inspired by a sadly famous event: the Dancing Plague epidemic of 1518. Inside a dome, the public is invited to discover the story of Enneline, the first woman to be swept away by this pandemic. Combining theatre and dance, this sensory experience invites us to follow the momentum of the bodies, bearing witness to the distress of a population in the grip of extreme poverty and rigid authorities. Borrowing from live performance and cinema, the experience becomes a veritable playground for spectators, who are invited to enter the dance, thanks to an impressive, interactive device. This resolutely modern story offers audiences a different way of looking at movement, one in which they can gradually become part of a collective dance experience.



Chemistry of Life

Sweden | 32mins | dir. Anna Öst

What do all living things have in common? How tiny are molecules? What happens inside our cells after we eat? *Chemistry of Life* makes the biomolecular world more concrete and accessible through cutting edge molecular visualisations. The production focuses on connecting the processes associated with being alive— breathing, eating, and thinking, with biochemical processes in the body's cells. Together with Australian biomedical animator Drew Berry, the Visualisation Center has created a journey that allows visitors to experience these processes in a completely new way. With the help of dynamic animations based on research data, we can not only show what the research has discovered, but we can travel into the data and get a deeper understanding of the invisible world that exists inside all of us.



2024 Dome Under Film Festival Awards Ceremony

The Dome Under Festival Jury will present five awards for Best Astronomy Film, Best Children’s Film, Best Narrative Film, Best Art Film and Best Short Film (approximately 15 mins).



Spark: The Universe in Us

USA | 27mins | dir. Ryan Wyatt

Where did the building blocks of life come from? The answer lies far from home. Travel inside a giant star nearing the end of its life, witness stellar corpses colliding, and experience the quiet demise of a Sun-like star. From the oxygen we breathe to the iron in our blood, the silicon in Earth’s mantle to the uranium that warms our planet, we owe it all to the stars. Narrated by Diego Luna, Spark: The Universe in Us explores how hundreds of millions of celestial events have forged the elements that make up the Solar System, Earth—and us!

PROGRAM

Saturday 3 February

Session One 2:30 – 3:30pm Kid's Films

Once Upon... My Story!

Little Major Tom – Into the Unknown

Session Two 3:45 – 5:15pm Astronomy

Black Holes: Unknown Horizons

Asteroid Quest

Session Three 6:15 – 8:00pm Music to Melt your Brain

Pink Floyd – The Dark Side of the Moon

Recombination, The FullDome Journey

Session Four 8:15 – 9:45pm Mind Blowing Art

Mirrored Madness

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Dancing with Dead Animals

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Entrez dans le danse

Chemistry of Life

2024 Dome Under Film Festival Awards Ceremony

Spark: The Universe in Us

THE EARTH ABOVE

A Deep Time View of Australia's Epic History

The Earth Above: A Deep Time View of Australia's Epic History incorporates traditional and scientific knowledges to transport viewers to four diverse and sacred locations to tell Australia's epic story going back 140,000 years.

Developed by the Australian Research Council Centre of Excellence for Australian Biodiversity and Heritage (CABAH) and Deakin MotionLab, this immersive educational experience and supporting teaching resources will be available to planetariums across Australia in 2024.



To learn more, visit
epicaustralia.org.au/resource/theearthabove/
or contact cabah-admin@uow.edu.au.



Australian Government

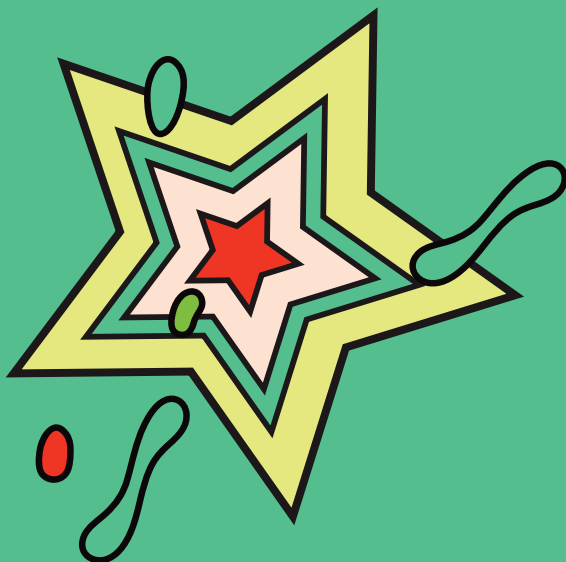
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and Heritage



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