



A SPACE ODYSSEY ABOVE AND BELOW GROUND
International Space Orchestra + Sigur Rós
24th SEPTEMBER 2016



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Blending space science, planet-poking and bluegrass-playing spacecraft operators, the world's first orchestra composed of space scientists – the International Space Orchestra (ISO) - is coming together to perform as the supporting act to Sigur Rós at the Hollywood Bowl on 24th September 2016, Los Angeles, CA, USA.

The International Space Orchestra (ISO) is an assembly of star-spangled space scientists from NASA Ames Research Center, Singularity University, International Space University and the SETI Institute. ISO is a production by 'manufacturers of the impossible' Nelly Ben Hayoun (NBH) Studios and, for this occasion, ISO will be performing covers of Sigur Rós' songs. Of the performance, Ben Hayoun says: "It is inspired by our desire to understand the universe, and to rocket-propel our souls to further galaxies, rocking up the universe above and beyond."

The ISO will perform with animated visuals inspired by the latest NBH studios and Dartmouth Films on-going production "The Life, the Sea and the Space Viking". Beginning in the deepest depths of a prehistoric sea, and ending in the outermost reaches of a distant solar system, this project aims to unravel our "biological archeology", merging the fields of astrobiology, terraforming and the research of extremophiles. This bold journey, spanning time and space, is exploring our ever-evolving world and the cosmic wonders of what lie beyond.

Come and join the ISO and Sigur Rós in an out of this world performance, a passage of time from the void to the full.



Saturday, September 24, 2016

Hollywood Bowl
2301 Highland Ave,
Los Angeles, California 90068
Doors 6:00 p.m. // Show 7:45 p.m.

Notes for Editors:

Sigur Rós:

World renowned Icelandic Post Rock Band, currently on tour. SIGUR RÓS consists of JÓN or (Jónsi) BIRGISSON (vocals, guitars), ORRI PÁLL DÝRASON (drums) and GEORG (Goggi) HOLM (bass). www.sigur-ros.co.uk
https://en.wikipedia.org/wiki/Sigur_R%C3%B3s

The International Space Orchestra:

The International Space Orchestra is the world's first orchestra of space scientists. Blending space exploration and bassoons; planet-poking and bluegrass-playing spacecraft operators – the International Space Orchestra, is an experiential and hybrid research laboratory, where space scientists are implementing, deconstructing, performing, singing, mixing, modifying, and designing musical acts. It is a provocation to action: a call to imagine and disrupt future human relations to space science; to adapt space science to our creative needs.

The ISO previously performed with Beck, Damon Albarn and Bobby Womack, The Prodigy, Penguin Café, Japanese composer Maywa Denki and many more. In this tangential reality, your Flight Controller conducts arias and the Payload Officer works a baritone sax, while the Capsule Communicator is on the triangle and an astronaut on percussions. Following the rules of tragedy defined by the ancient Greeks, the International Space Orchestra chorus introduce the public to the emotional nuances of space science missions. Merging space, technology, design and rock, the ISO with Sigur Rós aims to reach the final frontier.

The International Space Orchestra is currently rehearsing with director and ISO creator Nelly Ben Hayoun, Two time Grammy-Award winner ISO musical director Evan Price and musical conductor Gordon Lustig at NASA Ames Research Center and the SETI (Search for Extraterrestrial Intelligence) Institute in California, USA.

www.internationalspaceorchestra.com

The Life, the Sea and the Space Viking:

Currently finishing its development phase, “The Life, the Sea and the Space Viking” is Nelly Ben Hayoun Studios and Dartmouth Films latest production. A Space Odyssey and Viking Saga 11km under the sea, documenting a submersible expedition and an encounter with our biological archeology. Merging the fields of astrobiology, terraforming and the research of extremophiles, the project is set for release in 2017. An expedition of uncharted territories, encompassing all scales of science, but also inspiring questions of humanity's place in the universe, the project explores the science of space colonisation. The project features leading scientists at NASA and the SETI (Search for Extraterrestrial Intelligence) Institute and documents a submersible expedition - as we learn from life on Earth, how to create life on another planet.

“The Life, the Sea and the Space Viking” follows NBH Studios latest feature film Disaster Playground. Disaster Playground premiered at SXSW 2015 and was selected as one of the six highlights of SXSW. Prior to Disaster Playground, NBH Studios assembled the International Space Orchestra. The ISO is still up and running at NASA Ames Research Center in California. The feature film about the project was recognized by international critique as a



“masterpiece” (ICO), a ‘real achievement’ (DOMUS), “as thrilling as watching a rocket launch” and “Spine Tingling” (Guardian).

www.spaceviking.org

About the Hollywood Bowl:

One of the largest natural amphitheaters in the world, with a seating capacity of nearly 18,000, the Hollywood Bowl has been the summer home of the Los Angeles Philharmonic since its official opening in 1922, and plays host to the finest artists from all genres of music. It remains one of the best deals anywhere in Los Angeles; to this day, \$1 buys a seat at the top of the Bowl for many classical and jazz offerings. In February 2016, the Hollywood Bowl was named Best Major Outdoor Concert Venue for the twelfth year in a row at the 27th Annual Pollstar Concert Industry Awards. For millions of music lovers across Southern California, the Hollywood Bowl is synonymous with summer.

HollywoodBowl.com

About the SETI Institute:

The SETI Institute is a multi-disciplinary, highly collaborative, research organization designed to explore, understand, and explain the origin, nature and prevalence of life in the universe utilizing expertise in fields ranging from astrophysics and planetary science to biology and social science, as well as computer science and signal detection. We have a passion not only for discovery, but also for sharing knowledge as scientific ambassadors to the public, the press, and the government. The SETI Institute is a distinguished partner for government agencies, academic institutions, and corporations around the world.

www.seti.org

About Nelly Ben Hayoun

Dubbed the 'Willy Wonka of Design and Science', award-winning director and designer of experiences Nelly Ben Hayoun is a critical explorer, a fearless and passionate provocateur. In 2014 Wired magazine awarded her with a WIRED Innovation Fellowship for her work to date and its 'significant impact on the world' whilst in 2013, Icon Magazine touted Ben Hayoun as one of the 50 international designers "shaping the future". Finally in 2015, she was nominated for a Women of the Year Achievement Award. Ben Hayoun's roles include Designer of Experiences at the SETI (Search for Extraterrestrial Intelligence) Institute, Head of Experiences at We Transfer, a member of the Space Outreach and Education committee at the International Astronautical Federation, a member of the British Interplanetary Society and Woman in Aerospace, a postgraduate fellow of the Royal Geographical Society, and a United Nations Advisor to the UN VR (Virtual Reality) labs.

Ben Hayoun assembled and directs the International Space Orchestra (ISO) – the world’s first orchestra of space scientists and astronauts from NASA. The ISO recordings and CD were blasted from a Japanese launch pad in August 2013 and have since been orbiting around the Earth in the International Space Station. Her multilayered, experiential design practice has previously resulted in collaborations with composers Beck, Damon Albarn, Bobby Womack, the Prodigy, Penguin Café and Ed Bangers records. Her work has been exhibited at the National Museum of China, MOMA, V&A and other leading design institutions. Her latest feature length movie Disaster Playground, on emergency procedures and asteroids, was nominated for a Vision Award at SXSW 2015, is distributed worldwide on netflix and other digital platforms.

www.nellyben.com



About Dartmouth Films:

Dartmouth Films are pioneers in Britain of independent documentaries – finding new ways of funding, making and distributing films which have impact. They work with a wide range of directors helping to raise money for their films from foundations, private investors, philanthropists, film funds, broadcasters, distributors and through crowdfunding appeals. They work with cinemas, broadcasters, online providers and civil society and community groups to get films seen. And they provide editorial and line producing support to make sure the films are made and support new and emerging directors and work in partnership with other companies.

www.dartmouthfilms.com

Press Contacts

General inquiries, please contact us at admin@nellyben.com

USA and International – Chloe McClellan, NBH Studios manager: chloe@nellyben.com

Social media_ Darren Webb, NBH Studios PR officer: darren@nellyben.com

Hollywood Bowl – Lydia Fong, publicist: lfong@laphil.org

Press Images

https://www.dropbox.com/sh/6qz7y01d4xjo5ov/AADhGVF8TTsM-V_jFbFIXDloa?dl=0

Trailer Films “The Life, the Sea and the Space Viking”

www.spaceviking.org

Directed by
Nelly Ben Hayoun

Produced by
Sandra Leeming- Dartmouth Films
Nelly Ben Hayoun Studios

Executive Producer
Christopher Hird

Editor
Alice Powell

Director of Photography
Fiona Braillon

Music Supervisor
Edna Pletcherero

Original Music by:
Sigur Rós and Jónsi
‘Go Do’ performed by Jónsi
‘Takk’ performed by Sigur Ros
‘Kolnidur’ performed by Jónsi
‘Glosoli’ performed by Sigur Ros
‘Boy Lilikoi’ performed by Jónsi



With great thanks to Big Dipper Productions Ltd (John, Dean, Sarah, Clare and Edna), Sigur Rós and Jónsi, Universal music group and Warner Music Group

With thank you to Aqua Survey, Inc, SETI Institute, NAI, Pablo Levinas, Planetary Lake Lander Project, NASA, Eric W. Smith for footages of the High Lakes Project and Laguna Negra.

USA SHOOT

Location Manager – Annette T. Rodrigues
Additional Camera – Ferguson Suave-Rogan
Sound Recordist – Adam Wolfdrake

Contributors:

Bill Diamond, President and CEO at SETI Institute
Dr Dale Andersen, Senior Research Scientist, SETI Institute
Dr Penny Boston, Director for Astrobiology Institute, NASA
Dr Nathalie Cabrol, Senior Research Scientist & Director of the Carl Sagan Center
Dr Chris MacKay, Planetary Scientist, NASA Ames Research Center
Liz Taylor, President DOER Marine
Sylvia Earle, Marine Biologist and Explorer
Dr Jill Tarter, Astronomer & Former Director of the Center for SETI Research

ICELAND SHOOT

Location Manager – Karna Siguröardóttir
Location Assistant – Arnaldur Máni Finnsson
Speechwriter – Helen Keen
Additional Camera – Sebastian Ziegler
Sound Recordists – Öundur Hafsteinn Pálsson

Contributors:

Sigur Ros (Jónsi, Orri Páll Dýrason, Georg Hólm)
Kári Stefánsson, deCODE
Árni Eiríkur Bergsteinsson, Viking
Gudmundur Oddur (Goddur) Magnússon, Storyteller
Björk Jakobsdóttir, Astro-biologist

Tapestry Women:

Margret Oskarsdóttir, Solveig Theodòrsdóttir, Guðrún Kolbeins, Perla Rúnarsdóttir, Guðrún Sturludóttir

Viking background artists:

Elin Karina Andreasen, Gunömunder Orri Annýjarson, Unnur Maria Bergsveinsdóttir, Kali Carys, Axel Diego, Matthias Goed, Olga Marinósdóttir, Amelia Mateeva, Thibault Pean, Haikon Thór Pálsson, Berglind Thórdardóttir, Gunnar Rógnvaldsson, Óttar Rógnvaldsson, Gudný Rós Thorhallsdóttir, Birkir Sigurjónsson

With R&D support from WeTransfer and the SETI Institute.

Hollywood Bowl "From the full to the void" 25 min animated film:

Directed by Nelly Ben Hayoun



Motion Designers: Roman Lamy, Cindy Lo and Emilie Pigeard

Produced by Nelly Ben Hayoun Studios

Motion Designer Assistant: Tamara Hoogeweegen

Visual Artist: Marta Giralt Dunjó

Graphic Designer: Tamara Hoogeweegen

Archive research: Candyce Dryburgh, Tamara Hoogeweegen, Marta Giralt Dunjó

With underwater footages by Dr. David Gruber

With footages by NASA

Web Design: Studio Myers

With great thanks to Pretty Bird.co (Valtteri Laihanen), Dartmouth Films, NASA Headquarters, Education department

Interlude Talk to Me I Am A Space Viking

With great thanks to all NASA and SETI Institute scientists participants

Directed and produced by Nelly Ben Hayoun Studios Ltd

www.spaceviking.org

www.seti.org

The ISO is coming together with support from Von Andi Inc., Big Dipper Productions Ltd, Einstök Ölgerð, WeTransfer, the SETI Institute, Skycorp Inc., Nelly Ben Hayoun Studios Ltd, and Converse.

With huge thanks to Big Dipper Productions Ltd, John, Dean, Clare, Sarah, Edna and Sigur Rós for their cosmic excellence.

ISO Instruments

Robert 'Bob' Crow, Retired, NASA Ames Jazz Band- Saxophone

Vanessa Kuroda, BioSentinel Spacecraft Communication Subsystem Lead, NASA Ames Research Center – Piano

Matthew J Daigle, Research Computer Scientist, Intelligent Systems Division, NASA Ames Research Center- Guitar

Elisabeth Giessler, Doctor of Optometry - Violin



Scott Poll, Intelligent Systems Division, NASA Ames Research Center- Violin

Marie Lo, Hospitality Manager, Singularity University - Viola

Matt Linton - Chaos Specialist - (Former) NASA Ames Deputy CISO- Cello

Greg Schmidt, Deputy Director, NASA SSERVI- Ukulele

David P Roland, Sr. Systems Administrator NASA Advanced Supercomputing- Ukulele

Brian H Day, Lead for Citizen Science, Planetary Mapping, and Outreach, NASA SSERVI- Ukulele

Annette Rodrigues, Former associate director for Center Operations at NASA Ames Research Center, NASA Ames Bluegrass Band- Ukulele

Rodney Martin, Intelligent Systems Division, NASA Ames Research Center - Percussion and Clarinet

Lukas Gruendler, Research Assistant at SETI Institute- Trombone

Peter I. A. T. Robinson, Computer Scientist at NASA Ames Research Center- Bassoon

Michael A. K. Gross, Software and systems engineer for SOFIA, NASA Ames Research Center - Trombone

Barbara Jo Navarro, Asst. Chief, Flight Systems Implementation Branch at NASA Ames Research Center- Trumpet

Paul K Davis, Retired Instrument Development Technical Group, NASA Ames Research Center- Viola and violin

Rusty Hunt, NASA Flight Director LCROSS Lunar Impactor, NASA Ames Research Center- Saxophone

Martin Thoolen, Chief Drug Development Officer, NASA Ames Jazz band, contrabass

Oliwia Baney, worked as an Earth Science Researcher at Ames NASA DEVELOP- Cello

David Thompson, Sr. Research Scientist, Intelligent Systems Division, NASA Ames Research Center -Clarinet

Jasper Wolfe, PhoneSat NASA Ames Research Center- Alto Saxophone

ISO CHOIR

Andrew Henry, Software Engineer, NASA Ames Research Center

Marianne Ryan, Alumna and former Director of Leadership & Engagement, Singularity University, NASA Research Park



Monica Ebert, Code D, NASA Ames Research Center

Aileen Anicete former operation Lead, NASA Ames research Center

Emeline Paat-Dahlstrom, Chief Impact Officer , Singularity University, NASA Research Park

Jennifer Murphy, Mission Operations Specialist, NASA Ames Research Center

John Cumbers, Founder of Synbiobeta, planetary sustainability network

Megan Shabram, NASA Postdoctoral Program Fellow with NASA's Kepler's Mission

Chippie Kislik, center manager for DEVELOP at NASA Ames Research Center

ISO Director and concept: Nelly Ben Hayoun

ISO Musical Director: Evan Price

ISO Assistant Musical Director and conductor: Gordon Lustig

ISO Orchestration: Gordon Lustig

ISO Choir Master: Amanda Hahn

ISO Production: Nelly Ben Hayoun Studios Ltd

ISO and NBH studios Head of Music: Edna Pletchetero

NBH Studios Manager: Chloe McClellan

NBH Studios scientific advisor: Dr. Franck Marchis

NBH Studios Social Media Officer: Darren Webb

Thank you to the SETI Institute, Annette Rodrigues, Dartmouth Films, Christopher Hird and Sandra Leeming and to Jane Kachmer for their production support.

www.internationalspaceorchestra.com