

IC-98 Moving Images and Other Projects 2016–2024

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#### TARU ELFVING

# Introduction: All the Times in the World

Hours, years, aeons. Time speeds up until it begins to slow down and reaches a serene point of near stillness. Familiar signs and patterns of busyness have vanished and movements usually undetected by the human eye manifest themselves. An ancient tree appears to rub its branches together and carefully feel the atmosphere around itself. Its roots reach ever deeper towards the subterranean waters. Long durations pass within minutes, deep time transformations become visible, grounds and horizons tremble.

Yet when looking closely, the coordinates of this reading begin to falter. The logic of linear time no longer holds in the world of IC-98. Rather, complex differing temporalities emerge and merge here. Intense bursts of life – of moths and pollen alike, reminders of cyclical rebirth – flicker through the slow flow of time. Fish swim eternally in the hidden cavernous depths like in the origin myths. But it is not merely in the realm of myths and fables where time is many and more. Heterogeneity of time in the ecosystem challenges the productivist ethos of both the narratives of progress and the determinism of apocalypse. The belief in the linearity and unity of time is here unveiled as the most astounding fiction of all.

The works that have followed the installation of *Hours, Years, Aeons* by IC-98 at the Finnish Pavilion in the Venice Biennale 2015 have steadily continued to unravel what time in its complex potentiality may mean in the future present of ecological crisis. The works also persistently question, who is the witness to the events, and whose imaginaries are these, after all. Is there a last (hu)man standing, recalling the times gone and passing on legends around a campfire after the civilisations have collapsed? And who is there to listen? What if there is no last man, can the narrative be fathomed otherwise, in and through the times of multiple others? The gates may thus open to *Realms* radically different from that of "the forward-looking, sky-gazing Anthropos".¹

The valley of the dead, the ultimate site and rite of passage, seems a fitting place where to end and to begin again. In *Nekropolis* one might see souls gathering for their last journey, but there are no golden rays of light to guide them, no weightless rise off the ground. The dichotomy of immanent and transcendent begins to sway. The invisible forces and elements of embodied existence gain material presence here. Souls

6 7

appear to be accompanied not only by their beloved companion species, the swallows, but also become gradually indistinguishable from swarms of insects or particles of some kind – be it dust, pollutants, pollen, spores. Meanwhile, all categorical divisions between natural and cultural blur in the thickening air and urge us to reckon with our always-already symbiotic existence. Where is there to transcend to within the warming atmosphere? Or, what kind of lines of flight may the ever-expanding cosmos encourage, what leaps of imagination and faith beyond geoengineering fantasies?

IC-98 continue to push the mirroring logic to its limits, where the dichotomies of the heavens and the earth – above and below, light and shadow – stammer and, eventually, crack. The hourglass in *Epokhe* tells this time, as time turns on itself. The evaporating gases, flows of water, boulders of rock, all gravitate towards and around the same vanishing point. The ultimate endpoint of the desired centred perspective, perhaps. It also suggests the collapse of the divide between life and non-life, foundational for Western modernity although increasingly challenged by its very own sciences. "The inert is the truth of life, not its horror."

Colours seep in, and the black and white worldview gently gains muted shades that undo the stark order of things. In line with the earlier IC-98 works, however, this world is not disorderly as much as unruly, pregnant with the heterogeneous multiplicity of temporalities, epistemologies, entanglements – the whole prism of wild divergence that may only become sensible when slowing down.<sup>3</sup> Here the event, of extinction or rebirth alike, is not abrupt and spectacular. It is a manifold unfolding, never one nor the same. It is not something yet-to-come, but already here and around the corner, such as toxicity in the sacrifice zones of extractive late-capitalism.

A case in point is the *House of Khronos*, where time dwells but never lies still. In real time, in its numerous temporalities, there is nothing much to see. The work operates beyond representation, beyond capture. Or, perhaps more accurately put, human presence and perspective are here merely sediments in the narrative of other emergent and potential orders of things. The spectral image of our current civilisation may be deciphered in the future archives of bureaucratic documents, a source of old legends about anthropocentric beliefs in property.

There is thus no world without us. Instead, the co-dependent histories and futures hold both promises and responsibilities that cannot be met alone. These are inscribed in the annual circles of the birch tree if one knows how to read them. Meanwhile the young apple tree saplings tell the tales of renewal, cross-pollination and co-existence. *Family Trees* indeed, of kinships ceaselessly expanding their boundaries. Fences and walls are only momentary obstructions after all. Seeds for the future are intricately woven nature-cultures in all the vivid hues yet-unimaginable, as in *A World in Waiting*.

This calls for engagements and experiments within the polyphony of living languages one is always already embedded in, in every here and now, as the *Genius loci* makes sensible. Here not solely reading skills are required but novel practices of attention. The end of time may then be just the end of a particular, rather unkind, kind of time.

#### Notes

- 1. Donna J. Haraway. Staying with the Trouble. Making Kin in the Chthulucene Duke University Press, Durham & London, 2016, 53.
- Elizabeth A. Povinelli, Geontologies. A Requiem to Late Liberalism. Duke University Press, Durham & London, 2016, 45.
- Isabelle Stengers, Another Science is Possible. A Manifesto for Slow Silence. Trans. Stephen Muecke. Polity, London 2018.

## Hours, Years, Aeons

In a twilight world, a twisted ecosystem centred on an overgrown fruit tree undergoes parasitic and geological transformations as the hours, years and aeons pass.

The highly metaphorical narrative is set in a mythologized, distant future devoid of humans but slave to their far-reaching influence as a dominant species. The work reminds us of the long and sometimes circular passages of time, as it places the anthropocentric view of history into a new perspective. A poetic meditation on the Anthropocene, this is a work about the containment of ecological disasters in general, and nuclear waste repositories in particular, demonstrating the circulation of pollutants, the mutations they cause, and highlighting a certain cultural amnesia about the future: things may be buried and forgotten – but over time they will always resurface.

The animation *Abendland (Hours, Years, Aeons)* was first exhibited as a part of the site-specific installation *Hours, Years, Aeons* at the Alvar Aalto Pavilion of Finland at the Venice Biennale in 2015. In Venice, the installation highlighted the parallels between Finland's geometrically planted forests as the material precondition of the Northern welfare state and European gardens as symbols of power and man's mastery over nature.

installation, 2015

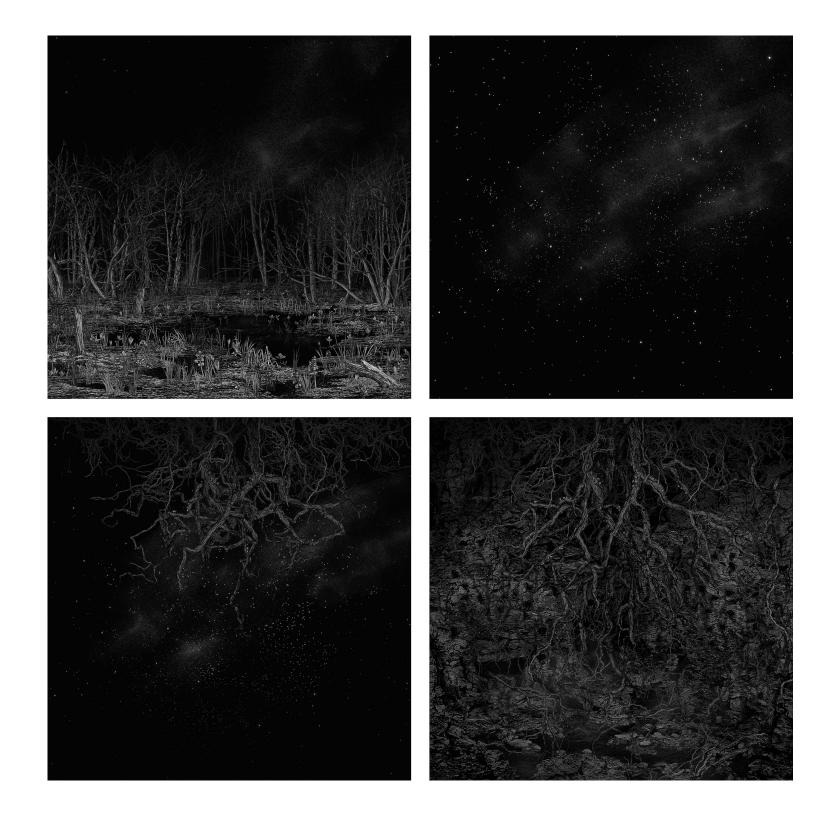
Hours, Years, Aeons
mixed media (animation Abendland (Hours, Years, Aeons),
sound, tar, charcoal, jute)
curated by Taru Elfving
commissioned by Frame Visual Art Finland for the 56th
International Art Exhibition – la Biennale di Venezia, 2015

animation, 2015
Abendland (Hours, Years, Aeons)
HD
42'40", seamless loop
stereo sound
written, directed and drawn by IC-98
animated by Markus Lepistö, assisted by Leo Liesvirta
music by Max Savikangas
double bass by Juho Martikainen
contrabass clarinet by Marko Portin
recording by Pekka Mikael Laine (double bass),
Pentti Männikkö (contrabass clarinet)



- < Hours, Years, Aeons, 2015 Finnish Pavilion, the 56th International Art Exhibition – la Biennale di Venezia, 2015
- > Hours, Years, Aeons, 2015 installation view, Finnish Pavilion, the 56th International Art Exhibition – la Biennale di Venezia, 2015







Abendland (Hours, Years, Aeons), 2015, still images

Abendland (Hours, Years, Aeons), 2015, still images

# Nekropolis

Nekropolis is loosely based on John Ruskin's lecture "The Storm-Cloud of the Nineteenth Century" (1884), in which he employs metaphors to describe the intensifying smog caused by the industrial revolution: "That harmony is now broken, and broken the world round: fragments, indeed, of what existed still exist, and hours of what is past still return; but month by month the darkness gains upon the day, and the ashes of the Antipodes glare through the night." Nekropolis updates this vision of a storm cloud "made of dead men's souls" for the 21st century.

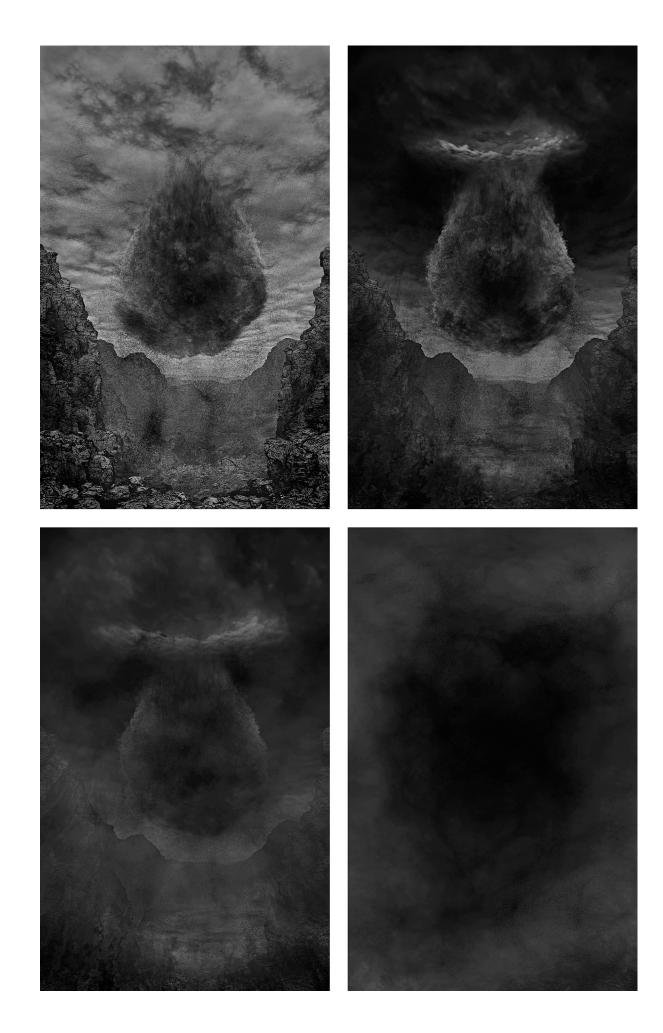
In *Nekropolis*, the spirits of the departed ascend from their tombs only to form a fluctuating cloud, which first reigns over the valley of the dead, then darkens the whole earth as souls, gases and particles released from the ground are sucked up into the atmosphere. The souls are borne by flocks of cave-nesting swallows, who are not just mere carriers but the new inhabitants of a world without us. Even as it lies in ruins, human civilization remains a problem, the rotting biomass releasing methane as the Arctic ice and permafrost melt.

with Markus Lepistö, Juan Duarte Regino and Sink 2016
HD animation
32'00", seamless loop
stereo sound
written, drawn and produced by IC-98
directed by IC-98 and Markus Lepistö
animated by Markus Lepistö and Juan Duarte Regino
music by Sink
support: AVEK/Elena Näsänen

- Nekropolis, 2016
   installation view, Röda Sten Konsthall, Gothenburg,
   Sweden, 2016
- » Nekropolis, 2016 installation view, Röda Sten Konsthall, Gothenburg, Sweden, 2016
- »» Nekropolis, 2016 still images







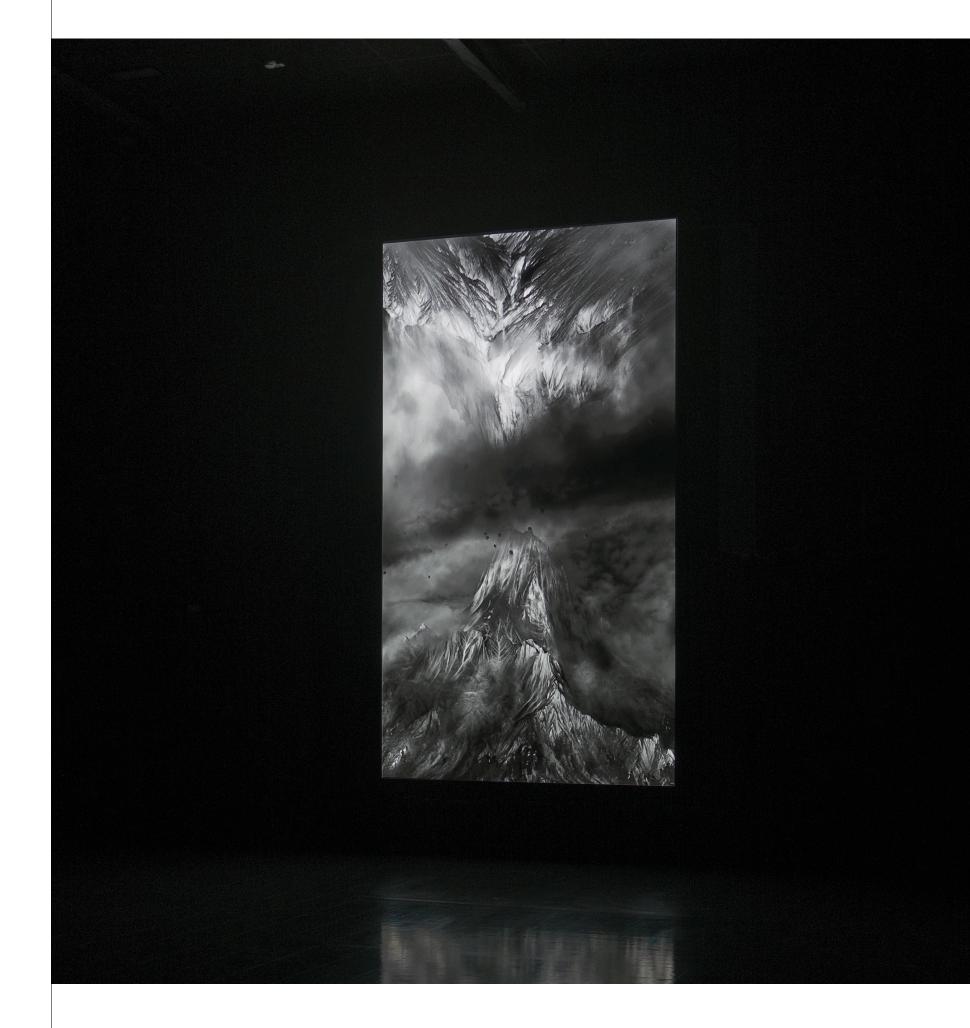
# Epokhe (The Last Sixth of the Final Hour)

A digital doomsday clockwork repeating the last ten minutes of our final hour, *Epokhe* presents us with a world where the trusted laws of nature have started to go askew. The scene is set by two mountains, the summits of which meet to create a giant hourglass shape. Melting ice from glaciers above rains down while the burning forests below send thick smoke up into the air. The cold rain, hot smoke, ice and stone meet in the centre to form an unstable orbit, which rotates around the calm locus of the surrounding chaos. The precarious balance is about to tip at any moment.

The microloops, the unrealistic yet life-like setting and the entirely computer generated ultra-high-definition landscape are not used to narrate a story but to present the viewer with a lengthened standstill moment, a timepiece arrested in an infinite loop.

4K animation
10'00", seamless loop
stereo sound
written, directed and drawn by IC-98
animated by Markus Lepistö and Santeri Holm
3D modeling by Kari Kuusela, Markus Lepistö
and Santeri Holm
music by Marko Laine
support: Makasiini Contemporary

Epokhe, 2017 installation view, Logomo, Turku, Finland, 2017



## Realms/Omnia mutantur

*Omnia mutantur*, an installation version of the short film *Realms*, is a voyage through time, evolution and the kingdoms of life towards the natural destruction wrought upon the planet by the human species.

As Ovid writes in *Metamorphoses*, everything changes but nothing perishes (*Omnia mutantur, nihil interit*). Things change shape, energy becomes matter and matter becomes energy. *Realms* is a film about this constant metamorphosis, a succession of states, epochs, species, kingdoms and realms, a journey through past and future strata, organic and inorganic phases and spheres of our planet.

The story unfolds on a remote fisherman's farm, where we begin our journey hundreds of millions of years ago in the depths of the primeval ocean. We reach the shore, make our way through to the farm-yard, through the house to the garden in the rear and onwards to the nearby forest, followed by a swidden, a rocky ridge and the sand dunes beyond. Finally, millions of years into the post-human future, we stand on the shore again, animate and inanimate nature levelled to black dust, gazing towards the stars of the Milky Way. And so the cycle begins again.

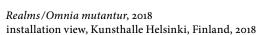
All that time, we have stayed within the perimeter of the farm and seen versions of how the same landscape has appeared at different times – how it was before humans and how it will look after we are long gone. Though our own era is just a blink in the eye of the long continuum of epochs, this blind moment with its reliance on energy provided by fossil fuels and the wholesale exploitation of nature threatens the future of the entire planet.

short film, 2018 Realms 4K DCP 19'38" 1:2,39 7.1 sound

installation, 2018 Omnia mutantur 4K 18'18", seamless loop 1:2,39 5.1 sound

written and directed by Patrik Söderlund cinematography by Jussi Eerola production design by Markku Pätilä music by Max Savikangas sound design by Olli Huhtanen/Finnvox Cinepost edited by Mika Taanila and Jussi Eerola visual effects by Jari Hakala/Post Work Productions animations by Markus Lepistö produced by Jussi Eerola

artistic advisor: Visa Suonpää production: Elokuvayhtiö Testifilmi Oy support: Finnish Film Foundation/Piia Nokelainen, avek/Outi Rousu in co-operation with: YLE/Sari Volanen













Realms/Omnia mutantur, 2018, still images

Realms/Omnia mutantur, 2018, still images

# Theses on the Body Politic (Bind)

In this minimalistic yet monumental installation interconnecting historical, political, social, natural and material processes are depicted using a hemp rope, which goes through a transformation from a seemingly simple line to separate yarns, and from ever multiplying yarns to a weave, through which we see a glimpse of a hemp field before the screening sail is torn to pieces. The idea is to portray complex processes – both things and forces – using the simplest of means, a mere elemental shape. This is how the interpretation is kept as open as possible without losing sight of any of the concrete references.

The obvious starting points of the work are a tug-of-war (the battle of opposing forces), rope-making, cloth weaving and harvesting of natural resources. This linkage has existed for thousands of years and is integral to most human cultures. Not only is the rope a powerful and versatile tool. The rope and its transformations are a metaphor for society, with different parts inextricably linked together and forming a whole, the parts torn between the dual movement of autonomy and organization, and the material resources completely integral to this organization. Through its associations of seafaring the work opens to colonial themes, too: exploitation of nature, colonial agricultures, global trade, naval fleets.

The electroacoustic score composed for a string quintet adds yet another layer to the work. Now the rope appears also as a string, the sound of which reverberates in the space – situating the viewers in the echo chamber of the instrument itself. Then again, on a strictly formal level the work even nods to the tradition of abstract cinema, the simple line, the scratch on the film surface – without ever losing its figurative essence.

The rope draws a line, a horizon, a boundary. It ties and demarcates. It transmits force. It vibrates. The rope is what is called a discursive object: having a wide array of meanings while remaining an extremely practical tool. And finally, hemp as a versatile fibre is a promise – it directs our attention to a more local post-fossil world.

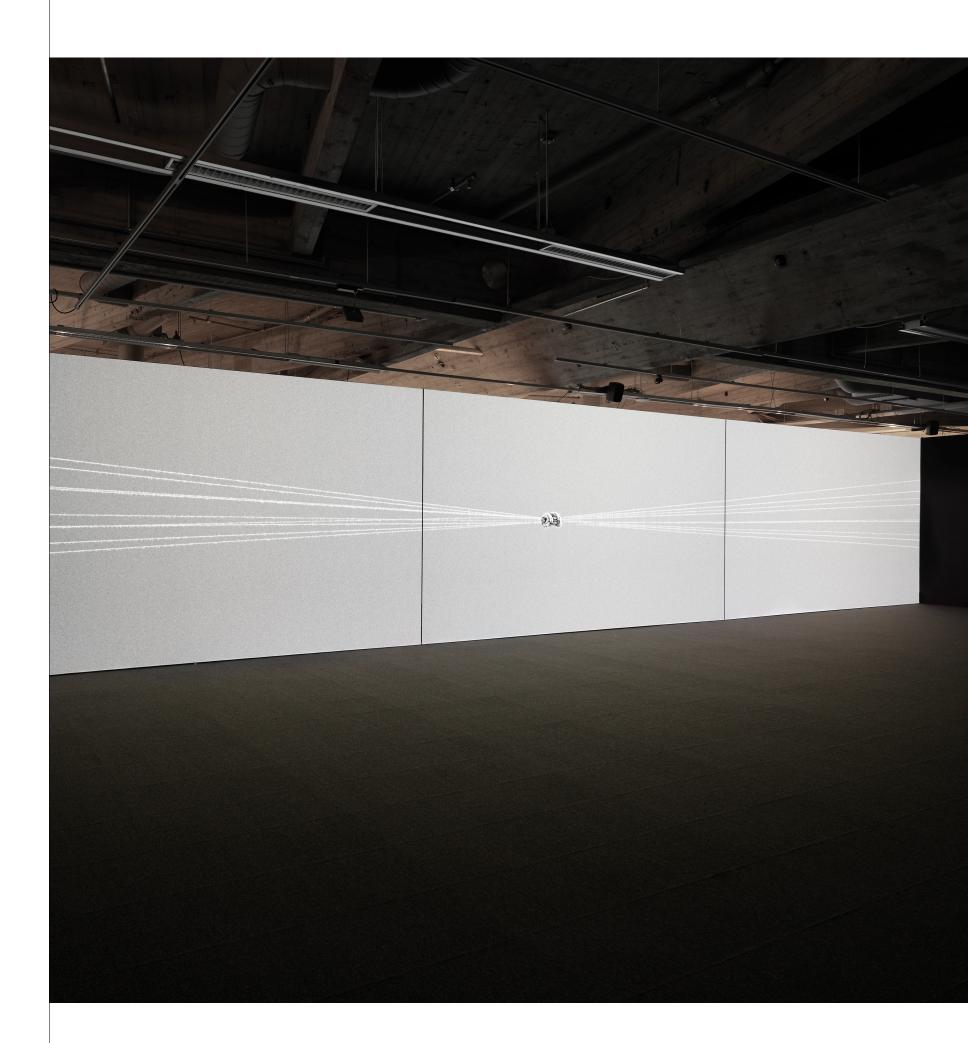
#### 2020

synchronized 3-channel HD video installation 12'45", seamless loop 5.1 sound written and directed by IC-98 simulations by Kari Kuusela 3D artists: Kari Kuusela & Markus Lepistö vfx & compositing by Grim vfx music by Max Savikangas sound design by Toni Ilo/Finnvox Cinepost

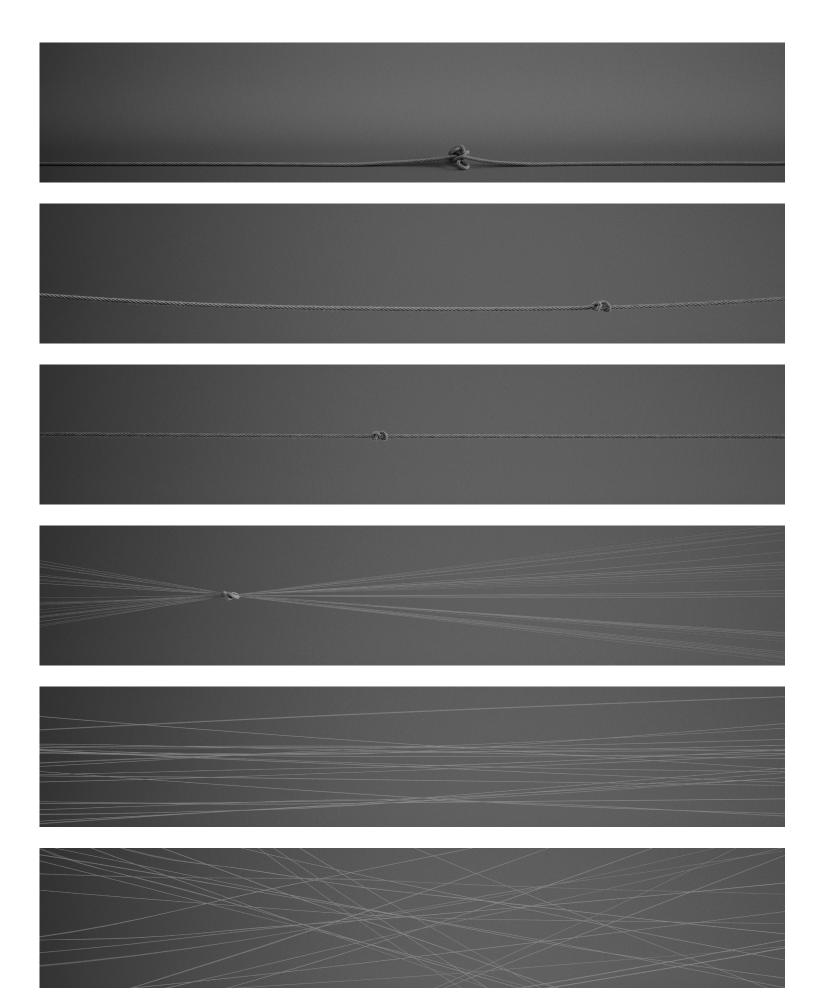
string quintet: Ilkka Lehtonen (violin), Aleksi Kotila (violin), Max Savikangas (viola), Markus Hohti (cello), Juho Martikainen (double bass) recording by Juha-Matti Kauppinen/Finnvox Cinepost

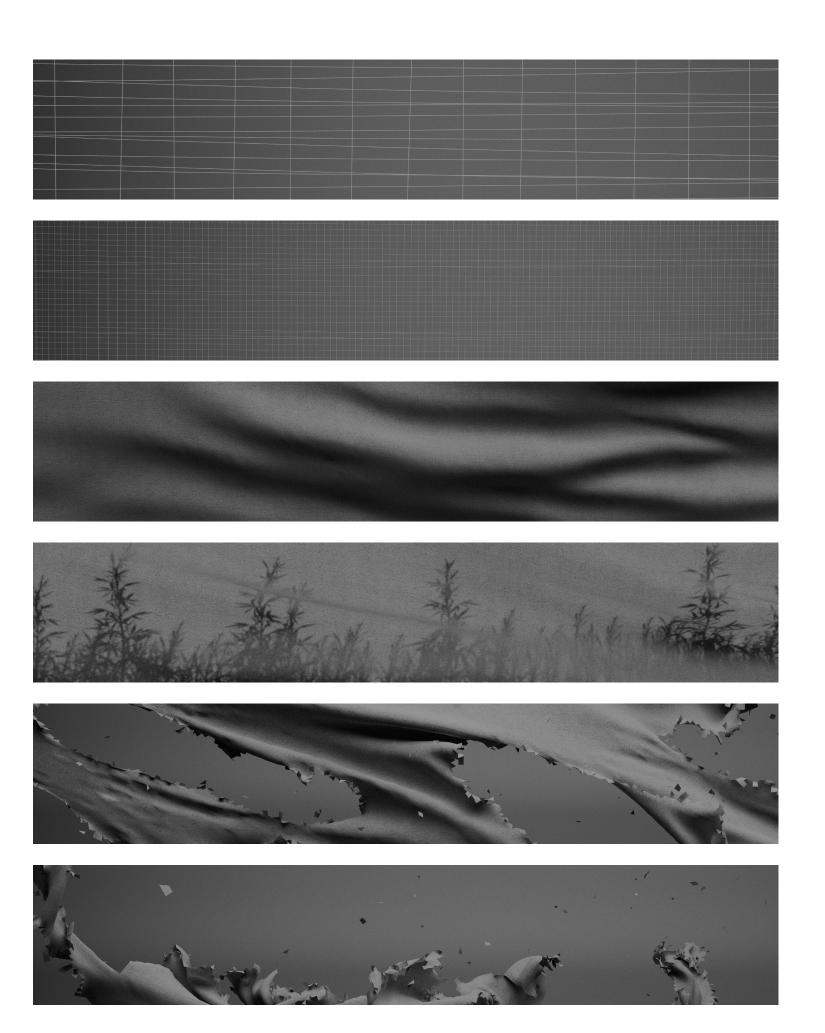
commissioned by Saastamoinen Foundation support: AVEK

- > Theses on the Body Politic (Bind), 2020 installation view, EMMA – Espoo Museum of Modern Art, Espoo, Finland, 2020
- » Theses on the Body Politic (Bind), 2020 installation view, EMMA – Espoo Museum of Modern Art, Espoo, Finland, 2020
- >>> Theses on the Body Politic (Bind), 2020 still images









### **Transit**

The animation suite for Tero Saarinen's choreography *Transit*, set to Sebastian Fagerlund's orchestral trilogy *Stonework* (2015), *Drifts* (2017) and *Water Atlas* (2018), functions as an architectural bass line for the whole creation. Like the surrounding nature, the work is continuously present. Slowly changing and evolving, it comments, criticizes and mirrors everything.

The suite's narrative stems from *Nekropolis* (2016), which shows a cloud of carbon released into the atmosphere over a barren, rocky landscape. The dead and buried have risen to the skies, but the earth is desolate. The energy of the sun gives life, but also suppresses it. The world is ruled by the eye of Father Sky who maintains separation, distance, and well-defined borders when the survival of all living things would require touch, entanglement, rooting together, and a return to Mother Earth.

The second act's wide panorama explores this possibility of a new community as life rains back to Earth. Small particles in the atmosphere turn into rocks; rocks turn into seeds and seeds into new worlds. These worlds assimilate and pollinate, grow shoots and stalks that reach towards and mutually support each other. It is as if the ancient cyclopic eye would finally be dividing, infinitely.

The heat of the sun creates a whole new world and atmosphere. Everything cross-pollinates, and a community based on reaching out and rooting together emerges from these encounters and entanglements; in minerals, soil, mycorrhizal associations, between cells and within cell walls. Our human bodies are animal bodies, and our animal bodies are composed of carbon and water, supporting and being supported by myriad worlds of other organisms. We touch and we are touched, we care for each other and we are cared for. Everything in life vibrates.

According to choreographer Tero Saarinen: "*Transit* is a frenzied ritual, a fight for survival in the face of great change. Even though it is dystopian, I wanted hope to be a powerful presence. I believe that a new prospect will rise out of the ashes – it is time to rediscover a connection with nature."

for Tero Saarinen Company 2020 HD animation suite for stage, 2 ACTS duration: 1h 50min (with intermission) written, directed and drawn by IC-98 animated by Kari Kuusela and Markus Lepistö

original production by Skånes Dansteater and Tero Saarinen Company world premiere at Malmö Opera on 3 October, 2020

choreography and concept by Tero Saarinen music by Sebastian Fagerlund lighting design by Minna Tiikkainen costume design by Teemu Muurimäki sound design by Tuomas Norvio choreographer's assistant: David Scarantino rehearsal directors: Satu Halttunen and Henrikki Heikkilä

dancers: Jenna Broas, Elina Häyrynen, Oskari Kymäläinen, Mikko Lampinen, Natasha Lommi, Mikko Makkonen (Tanssiteatteri Minimi), Emmi Pennanen, Sofia Ruija, David Scarantino, Saida Solla, Jing-Yi Wang, and Nanny Hedberg/Taru Hiitola and Edoardo Pavoni/Edith Stenvall (Finnish National Ballet Youth Company)

- > Transit, 2020 stage view, ACT 1, Helsinki Festival, 2021
- » Transit, 2020 stage views, ACT 2, Malmö Opera, Sweden, 2020
- »» Transit, 2020 stage view, ACT 2, Helsinki Festival, 2021
- >>>> Transit, 2020 still images, ACT 2

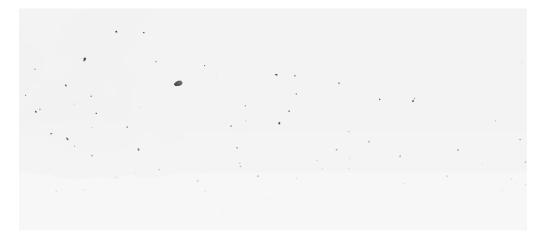


























## Lands of Treasure

Lands of Treasure is a three-part animated ritual, a journey through "treasurelands" during which an attempt is made to collect the scattered pieces of the world which was whole once, to find a new direction and create new founding myths for the whole biotic community. The electroacoustic score composed for a chamber choir is entirely based on human voices, which emphasizes the communal nature of the ritual.

The starting point is a legend of a forest giant who dies and leaves behind a clearing in the woods. Humans come and quickly fill the empty space with their ideas and constructions. The first part deals with the concepts that make possible humanity's separation from the nature and control over it. The scene depicts a wasteland devoid of spirit, with towering piles of raw materials, energy sources and tools of control and extraction. In the second part, the sun starts to turn black – the world kept in distance didn't bring peace and order after all, but created even bigger monsters as the trauma caused by separation insists on being dealt with. Now the world looks back at us and demands what belongs to it. The third part of the ritual takes place in the forest, where lost spirit and connection are being called back as the storm of progress quiets down and the voices of nature can be heard again. On the trunks and branches of trees a rich world of fungi, lichen, insects, birds and other life forms is being born. What looked dead from the distance is now full of life.

Many scenes in the animation are inspired by the stories from the *Voices of Nature* collection in *The Library of the Finnish Literature Society*. The stories connect us with collective memories, which we thought to be long lost. The central theme in these stories is the speech of animals, which posits humans as listeners. The stories break down the modern categories, the distinction of self and other(ness), which have been used as basic building blocks of the Western worldview.

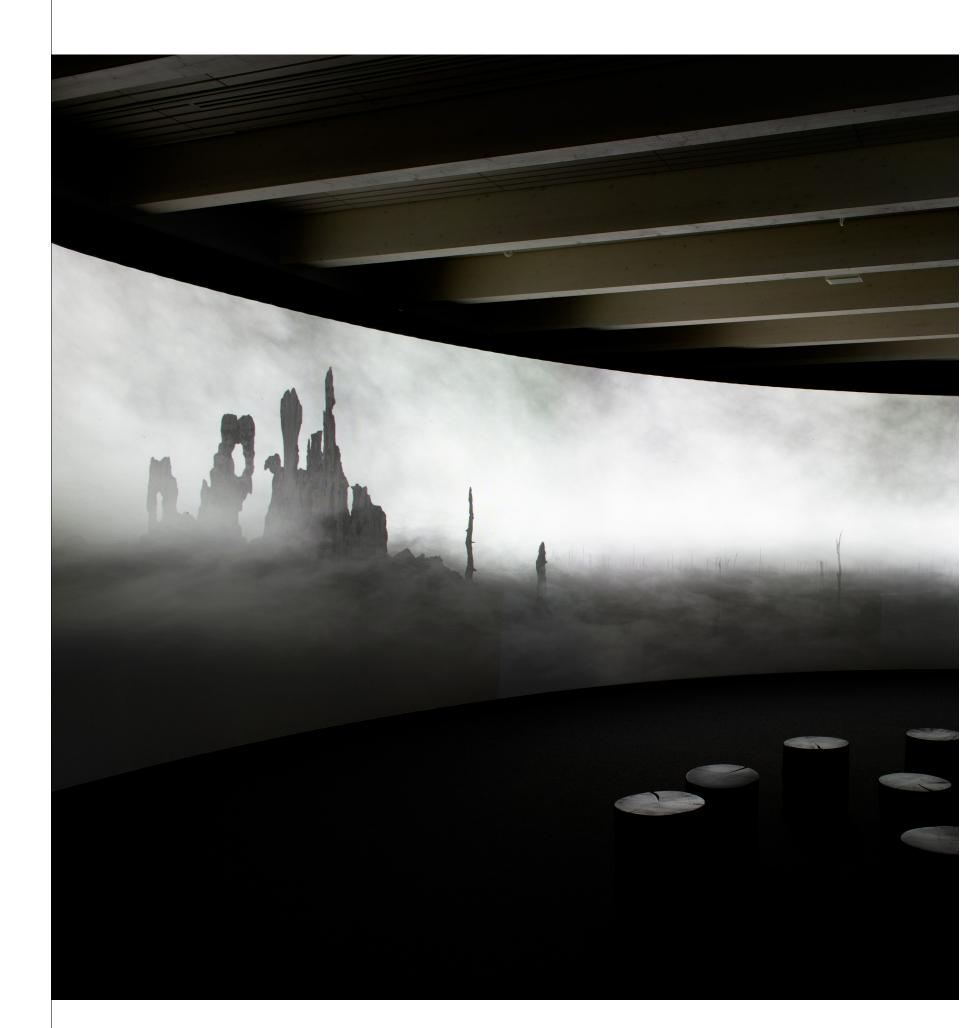
Lands of Treasure can be seen as an allegorical, fictitious translation of the themes of the site-specific project Misi-Raaka Park of Wounded Nature, which we are developing in the former iron mine of Raajärvi in Kemijärvi, Finland. The mine used to be a real land of treasure, which brought prosperity to the whole community built around it. When the mine was closed, the community had to face the collapse of its material basis. A new ecology and new ethics must be built on this realisation: we need to live through this catastrophe of our own making, realising we are not separate but completely entangled with the environment.

synchronized 2-channel HD video installation 53'00", seamless loop 5.1 sound written, directed and drawn by IC-98 animated by Markus Lepistö 3D artist: Markus Lepistö, assisted by Kari Kuusela drawing assistant: Nina Rantala music composed by Max Savikangas sound design by Toni Ilo/Finnvox Cinepost choral conducting by Nils Schweckendiek

singers of The Helsinki Chamber Choir: Tove Djupsjöbacka (soprano), Veera Kuusirati (soprano), Susanna Sippola (alto), Eira Karlson (alto), Martti Anttila (tenor), Jussi Linnanmäki (bass) recording by Niklas Jussila/Finnvox Cinepost

commissioned by Serlachius Museums support: AVEK, Finnish Cultural Foundation

- > Lands of Treasure, 2021 installation view, Serlachius Museums, Mänttä, Finland, 2021
- » Lands of Treasure, 2021 installation view, Serlachius Museums, Mänttä, Finland, 2021
- »» Lands of Treasure, 2021 installation view, Hyvinkää Art Museum, Hyvinkää, Finland, 2022















Lands of Treasure, 2021, still images









Lands of Treasure, 2021, still images

## Impivaara – A New World

*Impivaara – A New World* is a dreamlike imagining of Finnish national author Aleksis Kivi's classic novel *Seven Brothers* (1870). The short film focuses on the energetic basis of a Northern welfare state and a possible future emerging from the climate crisis. The events in the film begin with the great land reform of the 18th century and end in a post-fossilfuel 22nd century.

The original *Seven Brothers* is a strong novel about humans and their relationship with the World. In Kivi's story, the seven brothers are reluctant to conform with modern society. Taking refuge in the virgin forests of *Impivaara*, they seek to create a new world. They assume dominion over nature, make the land productive and eventually find their place as pillars of society. Ultimately, the forest of *Seven Brothers* is an object of conquest. Animals are prey, trees are material for building and trade, and the land is reshaped by humans, all of which makes *Impivaara* a tale of the material foundation of a Nordic welfare state.

Impivaara subverts the anthropocentric bias of the original and its countless later adaptations – centering on the brothers' growth and socialisation – by focusing on the environment, which was and is used to enable the organisation, enrichment ja maintenance of the modern free-market society. This foundation needs to be changed, the social contract must be re-written as a natural contract to include the entangled totality of humans and more-than-humans as the climate crisis cannot be solved by a techno-scientific fix devoid of all empathy and spirit.

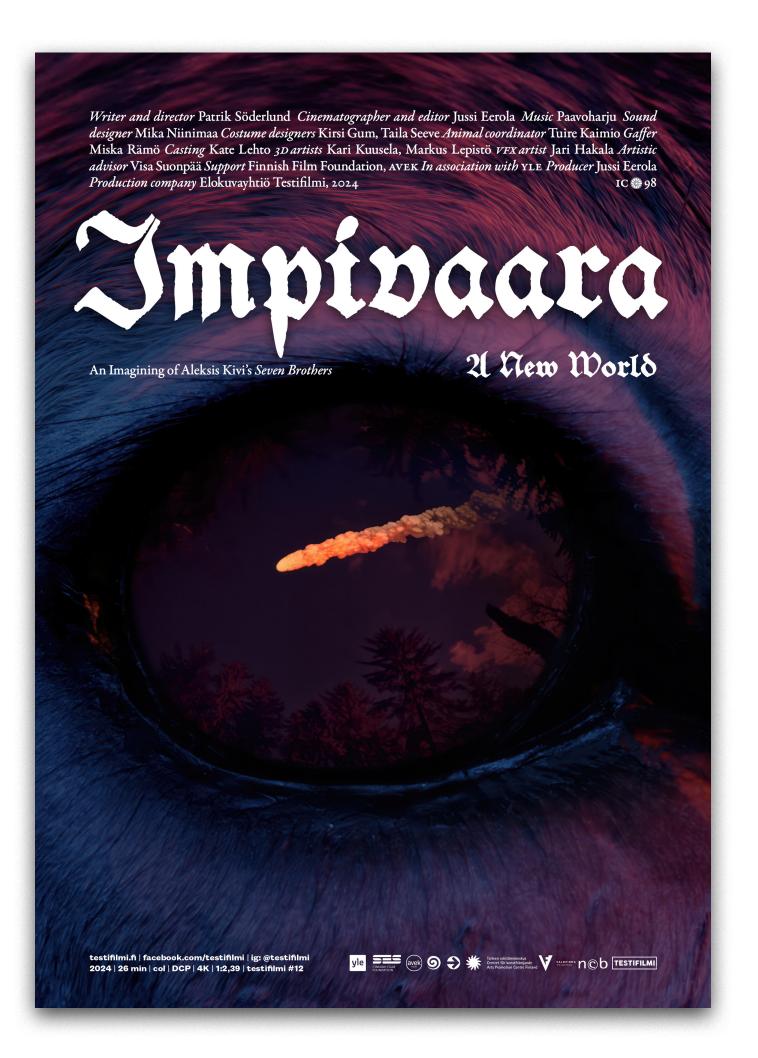
The end of the film aims to offer a modest vision of convivial existence based on mutual care in the thriving ruins of our modern state. The brothers are replaced by children, who end the vicious circle of men. On the *Hiidenkivi* scene of massacre, we hear giggling, howling and birdsong. The story ends with a hopeful twist. The world gets a new chance.

short film 4K DCP 26'00" 1:2,39 7.1 sound

written and directed by Patrik Söderlund cinematography and editing by Jussi Eerola music by Paavoharju sound design by Mika Niinimaa set and props by Markku Pätilä, Katariina Lume, Heikki Häkkinen, Erno Parikka, Suvi Komsa costume design by Kirsi Gum, Taila Seeve, Laura Dammert makeup design by Heidi Huovinen casting by Kate Lehto visual effects by Jari Hakala 30 artists: Markus Lepistö and Kari Kuusela produced by Jussi Eerola

artistic advisor: Visa Suonpää production: Elokuvayhtiö Testifilmi Oy support: Finnish Film Foundation/Piia Nokelainen, Eero Tammi; AVEK/Mikko Peltonen in co-operation with: YLE/Sari Volanen

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<sup>&</sup>gt; Impivaara - A New World, poster, 2024









Impivaara – A New World, 2024, still images

Impivaara – A New World, 2024, still images

### House of Khronos

House of Khronos is a long-duration project based on the disused Päivölä farm in Pöytyä, Finland. The property, consisting of 2,000 m² of land and five buildings and enclosed by a gateless fence, has been left to be claimed by nature. The project sets out to make visible the passage of time, seeks to offer protection to nature and culture as a mutually inclusive pair and investigates issues of ownership and environmental exploitation.

The property was bought in 2016, donated to the municipality of Pöytyä and thoroughly documented before being gated. Geological, archaeological, ornithological, vegetation, building and historic land-scape surveys were carried out to collect material evidence to back the main argument of the project – that any given stretch of land has enough biodiversity and thus inherent value to be removed from excessive human use and ownership and to be returned to the planet itself.

After the material first phase, the second part of the project was commenced. The municipality of Pöytyä was now contractually bound by the terms set in the contract to both prohibit humans from accessing and interacting with the property and the processes taking place within it, and to seek further protections and safeguards under local and national legislation to fulfil this objective. The first step was to start a process to preserve the property under the Act on the Protection of Buildings, which involves working with a number of public authorities, including the Centre for Economic Development, Transport and the Environment and the Finnish Heritage Agency.

The purpose of the *House of Khronos* is to reposition the project, which initially began as an artistic endeavour, into the realm of bureaucracy and political decision-making. This would allow the questions posed through the project to be placed in the context of official applications, statements and licensing and permit processes. In the coming years, *House of Khronos* will have a life not only in Pöytyä but across myriad official documents.

A virtual reality environment – an experiential document, a pedagogical statement and a digital attraction – was created to support the objectives of the project.

Halutaan ostaa tai otetaan vastaan lahjoituksena omalla tontilla sijaitseva mökki tai rintamamiestalo pitkäaikaista taideprojektia varten. Suosimme haja-asutusalueella tai erämaassa sijaitsevaa kohdetta, joka ei rajaudu tiehen. Missä tahansa päin Suomea, tontin ja talon koolla ei ole väliä. Talo voi olla asuttu, tyhjillään tai purkukuntoinen. Piha-

project, 2016–
site-specific artwork (abandoned farm, fence, time,
application and decision-making processes)
Pöytyä, Finland
commissioned by Lönnström Art Museum/
Lönnström Art Museum Contemporary Art Project #1

documentation, 2018 custom vitrines (official documents, maps, surveys, photos),  $200 \times 80$  cm each virtual reality (VR) environment

House of Khronos VR, 2018
concept, script, editorial oversight, direction: IC-98
coordination, script, editorial oversight: Asta Kihlman
geological and archaeological survey: Jussi Kinnunen
vegetation, building and historic landscape survey:
Jyrki Lehtinen
ornithological survey: Ilkka Kuvaja
VR and mobile app development: Morrow Games
sound design: Audire Sound
recorded bird songs: Ilkka Heiskanen (Birdlife Suomi ry),
Tero Linjama
producers: IC-98 & Lönnström Art Museum
support: Kone Foundation, Finnish Heritage Agency,
Business Finland, Municipality of Pöytyä

- < House of Khronos, 2016-, a classified ad to buy a property, published across a number of print and digital channels: "Wanted: to purchase or as gift a freehold cottage or other small property for long-term art project [...]."</p>
- > House of Khronos, 2016– Pöytyä, Finland, 2016













## Family Trees

Family Trees is a public art commission for Maunula House in Helsinki, Finland. The community centre comprises a library, youth house and community college. The panoramic window of the library faces towards a public park, which is an outdoor extension of the building itself.

The work is made up of two parts: 1) Framed prints installed on the library wall; 2) A grove of multispecies apple trees planted in the park in front of the library windows.

The framed prints are made using material sourced from the birch trees that were felled on the site to make way for the new park. Woodchips were boiled up to generate pulp for the paper, ink was made from charcoal, picture frames were built using the heartwood and the printing plates were intersections cut from a trunk, revealing the annul rings of the tree in different phases of its growth.

Seen from within the library, the apple trees become a living, growing fresco you can walk into, updating the tradition of mural painting in public spaces. The multispecies family trees serve as a reminder of the many sources and origins of organisms, people and knowledge. Nothing is ever purely local, there's always a crosspollination taking place both in nature, history and society.

The eight prints depicting the annual rings of the felled birch tree together with the eight new apple trees planted outside constitute a site-specific, material time diagram, which lends visibility and life to the temporal continuum of the place. The neighbourhood's cultural and natural history, stretching from the birth of the trees in 1948 until their death and the inception of the community centre in 2016, are visible in the annual rings. The future unfolds in step with the growth of the new, fruit-carrying saplings planted in 2017.

2016-

Maunula House, Helsinki, Finland commissioned by City of Helsinki

1) installation, 2016
Betula pendula (1948–2016)
eight parts (prints, ink, paper and frames made from birch
trees felled to make way for the Maunula House Park)
ink made and printed by Carl Osberg, Himmelblau
Printmaking Studio, Tampere, Finland
paper made by Laboratory of Paper Coating and Converting
Center of Functional Materials, Åboa Akademi, Turku,
Finland

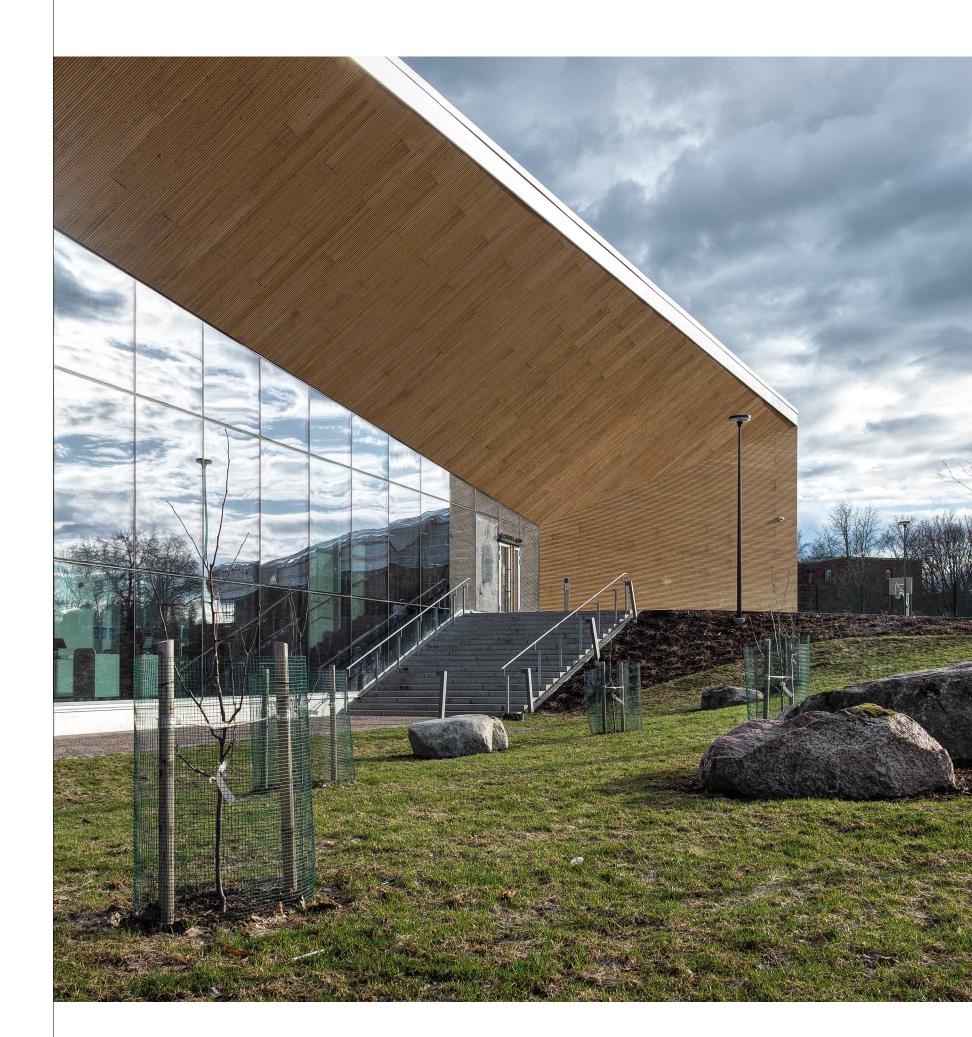
frames built by Kehysliike Malkki, Tampere, Finland

2) environmental artwork, 2017–

Malus domestica
eight multispecies apple trees, stones dug up during the
construction of the Maunula House Park
park designed by Maisema-arkkitehtitoimisto Näkymä
trees grafted and provided by Sundbergin taimisto, Lohja,
Finland



- < Maunula House Park, 2016, one of the original birch trees before felling
- Family Trees: Malus domestica, 2016– installation view, Maunula House Park, Helsinki, Finland, 2018







- ^ Family Trees: Betula pendula (1948–2016), 2016 print
- Family Trees: Betula pendula (1948–2016), 2016 installation view, library at Maunula House, Helsinki, Finland, 2016

# A World in Waiting (78°14'08.4"N 15°29'28.7"E)

Twelve artists and artist groups were asked to imagine what Europe might look like 2,000 years from now. IC-98 invited Kustaa Saksi to collaborate on a contemporary *millefleurs* tapestry that would transport us into the future. The medium was chosen for its links to the Victoria and Albert Collections, especially the large-scale *Devonshire Hunting Tapestries*. The idea was to omit humans and to foreground nature, the "thousand flowers" traditionally seen as the backdrop to and object of human activity.

The tapestry imagines the site on the island of Spitsbergen in the middle of the Arctic Ocean, where the Svalbard Global Seed Vault once stood. In the scenario, the climate has warmed, sea levels have risen and human civilisation is long gone, though its impact – geographical, meteorological and biological – is everywhere to be seen. Here, stored seeds from all over the world have escaped and sprouted into lush meadows.

In preparation, Arctic climate scenarios and viable plant species were discussed with scientists from the Finnish Meteorological Institute, Natural Resources Institute Finland and Tromsø Arctic-Alpine Botanic Garden in Norway. The RCP 8.5 scenario, based on a global temperature rise of 4°C was selected as the basis of the forecast.

The tapestry was produced on the basis of this research and depicts a selection of the stored plants most likely to thrive on the site in 4017. The actual seeds of the plants were woven into the fabric of the tapestry. The work became a potentially self-fulfilling prophecy, waiting to rot and sprout. An image becoming reality. A world in waiting.

with Kustaa Saksi

tapestry (jacquard weave, seeds) 553 × 302 cm

weaved at TextielLab, Tilburg, The Netherlands commissioned by Goethe-Institut and Victoria and Albert Museum, London, UK

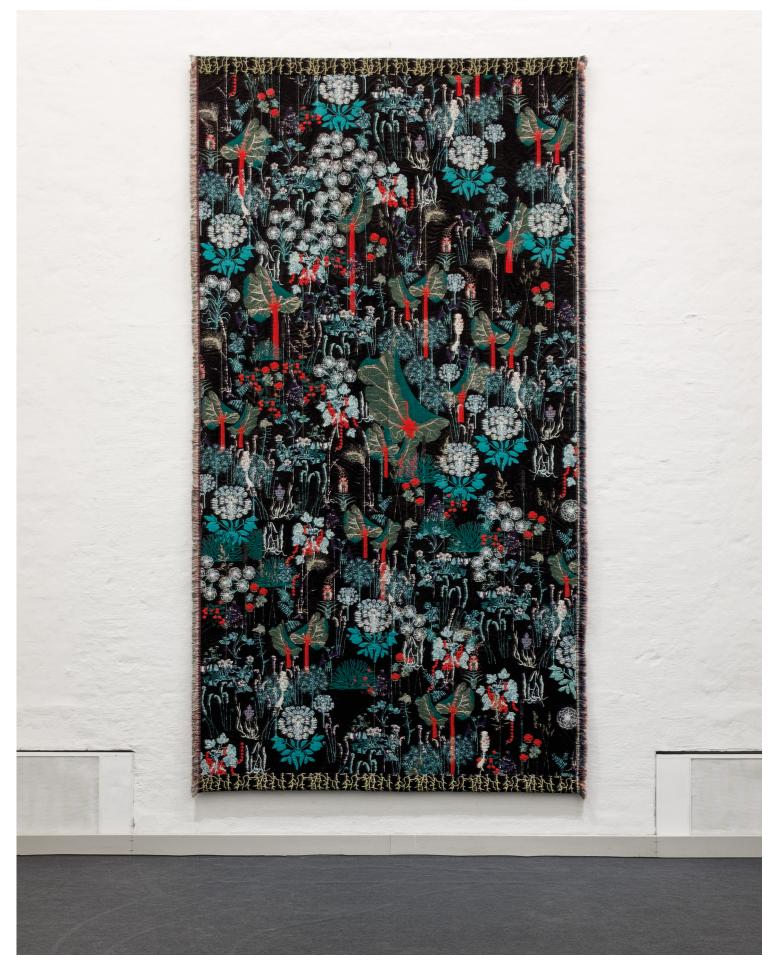
scientific advisors: Merja Hartikainen, Kaija Hakala and Elina Kiviharju/Natural Resources Institute Finland; Kimmo Ruosteenoja/Finnish Meteorological Institute; Kristian Nyvoll/Tromsø Arctic-Alpine Botanic Garden

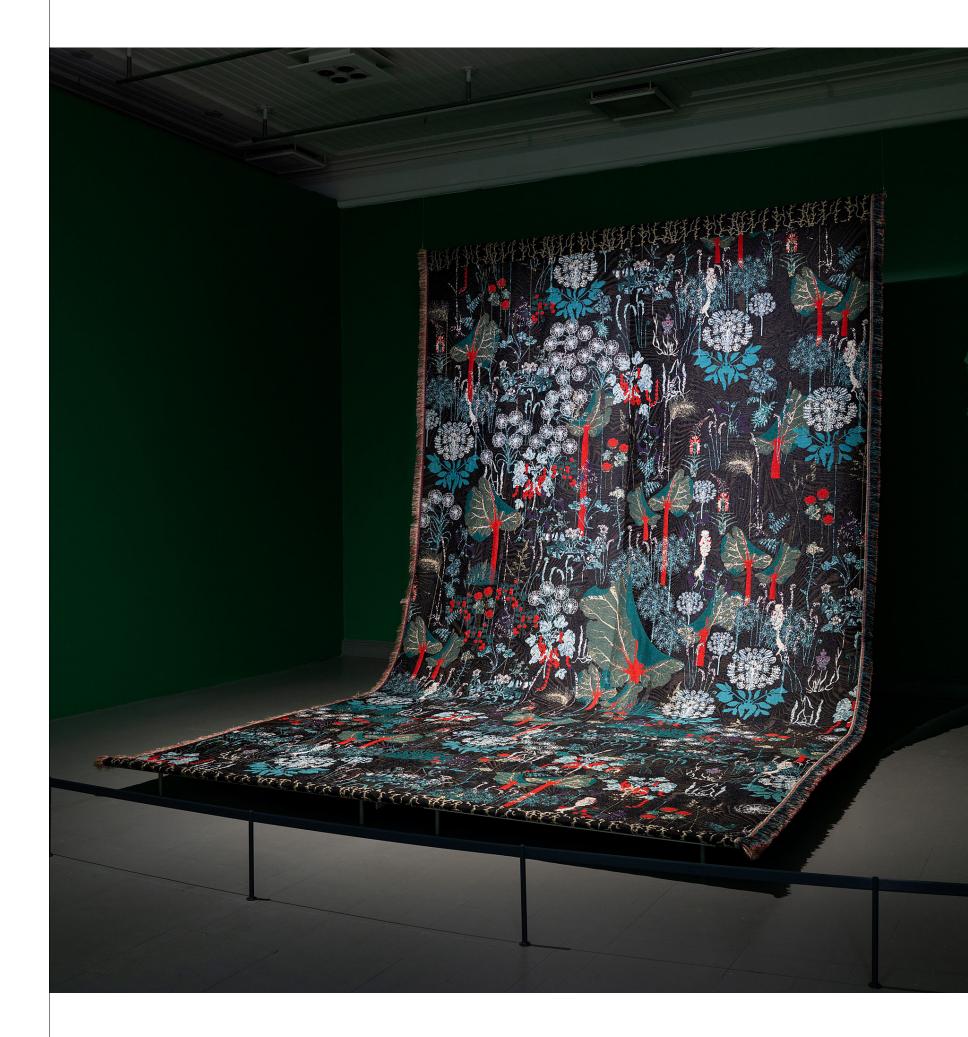
plants depicted on and encapsulated in the carpet:

Agrostis capillaris (Common bent) Angelica archangelica (Garden angelica) Brassica rapa ssp. campestris (Wild turnip) Chamaenerion angustifolium (Rosebay willowherb) Deschampsia flexuosa (Wavy hair-grass) Elymus mutabilis (Wildrye) Festuca rubra (Red fescue) Hordeum jubatum (Foxtail barley) Phleum alpinum (Alpine cat's-tail) Poa pratensis (Common meadow-grass) Polemonium boreale (Boreal Jacobs-ladder) Rheum rhabarbarum (Rhubarb) Rhodiola rosea (Rose root) Ribes rubrum (Redcurrant) Rubus chamaemorus (Cloudberry) Solanum tuberosum (Potato) Taraxacum officinale (Common dandelion) *Trifolium pratense ssp. pratense* (Red clover) Trifolium repens var. repens (White clover) Vaccinium vitis-idaea (Lingonberry) Vicia cracca (Tufted vetch) Vicia sepium (Bush vetch)

- > A World in Waiting, 2017 installation view, Victoria and Albert Museum, London, UK, 2017
- » A World in Waiting, 2017 installation view, Kunsthalle Helsinki, Helsinki, Finland, 2018
- »» A World in Waiting, 2017 installation view, Design Museum, Helsinki, Finland, 2023







## Genius loci

*Genius loci* is a real time generative poem commissioned for the Kaarina-talo library in the city of Kaarina. The title refers at once to the spirit said to protect the site and the mood that prevails within it. In our interpretation, the spirit is a manifestation of the oneness that joins together the property, the microclimate surrounding it, our terrestrial atmosphere and the cosmic, extra-terrestrial forces beyond.

The circular frame on the wall demarcates a field of dancing elementary particles to create the site where the mechanical, haikuesque nature poem lives, engaged in a continual process of merging and parting. The poetry generator responsible for producing the text is connected to a weather station on the library roof and the poem responds in real time to changes to the wind, rain and temperature conditions outside. The words and lines change, shift and mingle as the text created by the generator manifests in a near endless number of permutations. Once a day, an algorithm based on the building's electric circuit design cuts off the nature poem. It is replaced with other poems, made up of words taken from classics of utopian and dystopian literature that create prophecies demanding constant interpretation.

The artwork's colour scheme is based on the Earth's transmission spectrum, visualised using the full gamut of visible light. Thus, the particle field alive within the circular artwork becomes a stylised portrait of the Earth and of the atmosphere responsible for maintaining life upon it.

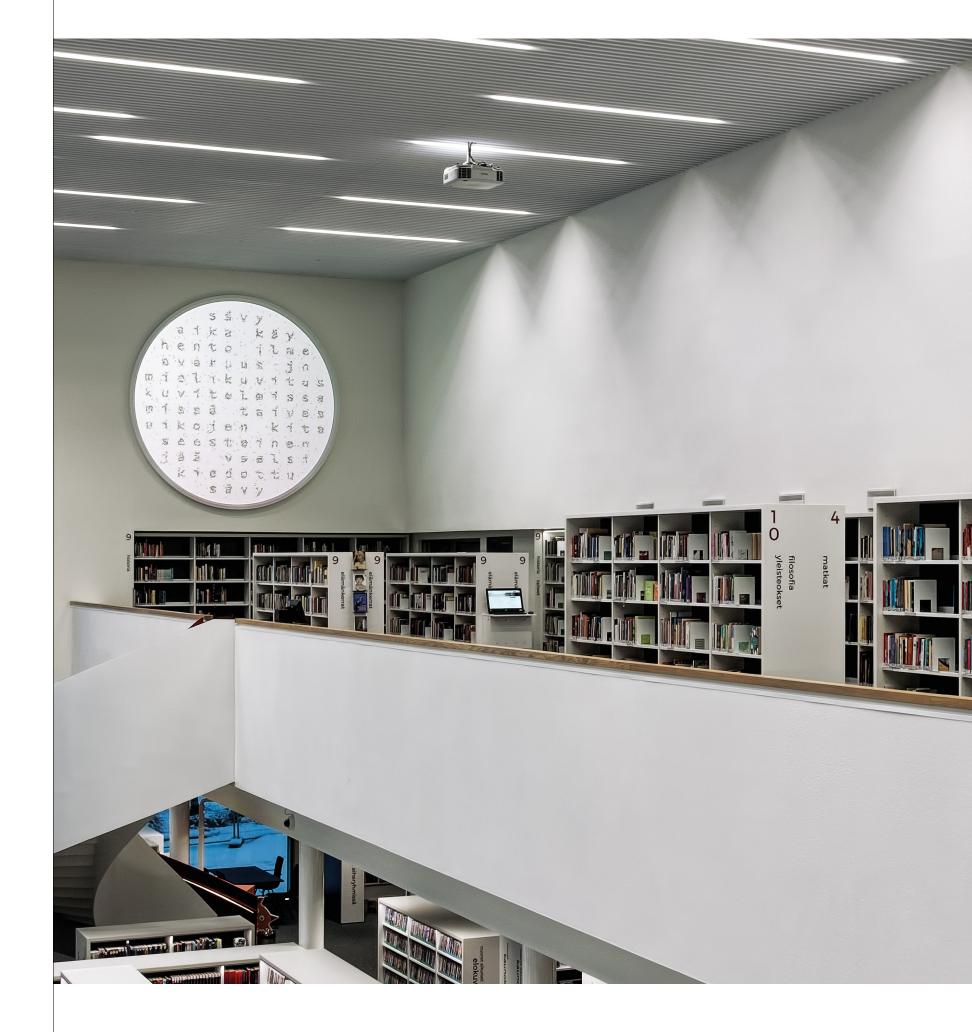
The piece will also give expression to certain notable calendar dates, set to occur weekly, monthly, annually or less frequently within the next 100 years, whose rhythm is determined by the Earth's turning on its axis and the orbital patterns present in our solar system. During these moments, the text vanishes as the particle field replaces it with a series of non-linguistic compositions.

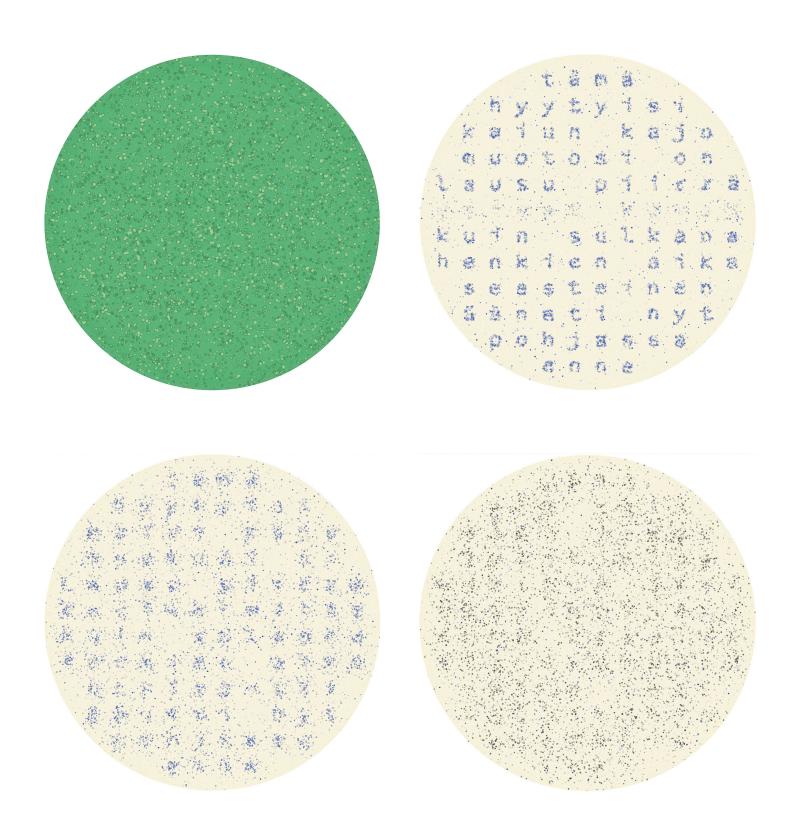
Genius loci is intended to form part of everyday life at the library. It will reveal itself in the course of multiple encounters under a variety of different weather conditions, across the seasons and over several years. Public art ought to always be a long-term proposition, an interface with life as lived, where art becomes an inextricable feature of both architecture and the everyday instead of being content to exist for ornamental purposes only.

with Mikael Brygger and Henriikka Tavi 2018 generative real time video installation (weather station, computer, poetry generator, calendar, clock) Ø 350 cm Kaarina House, Kaarina, Finland commissioned by City of Kaarina

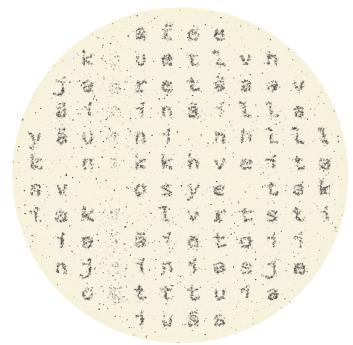
concept, artistic direction and production: IC-98 poetry and poetry generator design:
Mikael Brygger and Henriikka Tavi programming: OiOi Collective typeface design: Niklas Ekholm scientific advisor: Anu-Maija Sundström/Finnish Meteorological Institute

Genius loci, 2018 installation view, Kaarina House, Kaarina, Finland, 2018





njoiniasja





Genius loci, 2018, still images from poetry generator

## ΙÄΙ

*IÄI* is located in the 22-hectare protected Kuivajärvi forest next to the Hyytiälä Forestry Field Station in Juupajoki, as well as in the Forest Sciences Building on Viikki Campus in Helsinki, where a section of the work can be found. The work is composed of 38 words or syllables carved on stones, rocks and trees in the forest, or in the case of Helsinki, in concrete, on a wooden railing and on a stone transported from Hyytiälä.

At the station, the boreal forest ecosystem is measured and translated into data, which is used to interpret events and changes occurring in the environment over time. Finnish foresters have been trained at the station for over 100 years, and in the Kuivajärvi forest they learn knowledge and skills related to the utilisation of northern forests.

The goal of *IÄI* – as in IÄIsyys (eternity), etiÄInen (premonition) – is to subtly influence these coming forester generations. The carvings provide the students and casual hikers with a poetic counter-narrative to the traditional, instrumental forestry tradition. The words and syllables – hard to find if you try to find them, easily visible if you let the forest guide you – constitute a constellation, which upon encounter starts a chain of connections carrying thoughts towards the inherent value of the environment, and gradually point towards the possibility of a new (or rediscovered) language.

It was Giambattista Vico, who wrote in *The New Science* (1725): "This was the order of human institutions: first the forests, after that the huts, then the villages, next the cities, and finally the academies." Our language too originates in the forest – gradually forgetting its origins.

Instead of defining, measuring and building, *IÄI* aims to return a piece of language back to the forest. First we listened and the forest revealed what we thought were signs of the forest language. This language of the forest appeared to us especially in sounds, wind, trees, our footsteps, animal voices. We started to write these sounds down: UUR, HKA, ÄMÄ. We noticed that these syllables and words had much in common: some of the syllables were incorporated in the words we discovered, for instance syn is part of *synty* (birth), *väsynyt* (tired), *kysyntä* (demand). We mapped these connections, how these syllables would connect with words in the way we could and wanted to use them. From this map we then isolated interesting constellations and clusters. When reading this map in a linear way, it might read like this: HAVAH is part of *HAVAHtua* (become aware), which belongs to AVA, part of *AVAutua* (open up) belonging to UTU (mist). HÄMÄRÄ (twilight) belongs to ÄMÄ, part of *jäÄMÄ* (remnant, residue), belonging to JÄÄ (ice, remain).

Thus we wrote onto, together with and in the forest. Most of all we are hoping the forest to make use of this language, modify it, overwrite it, evolve it, write back to us. This would be a shared language, becoming truly part of the biosphere again.

with Mikael Brygger, Henriikka Tavi and Olli-Pekka Tennilä

site-specific poetry intervention (words and syllables carved on stones, rocks, trees and concrete) University of Helsinki Hyytiälä Forestry Field Station, Juupajoki, and Viikki Campus, Helsinki, Finland

concept, artistic direction, typeface design: IC-98 poems by Mikael Brygger, Henriikka Tavi and Olli-Pekka Tennilä ecological and landscape historical survey by Jyrki Lehtinen carvings by Andrei Baharev and Kaius Paetau

commissioned by the Climate Whirl Arts Programme 2017–2020, with the Institute for Atmospheric and Earth System Research (INAR), curated by Ulla Taipale

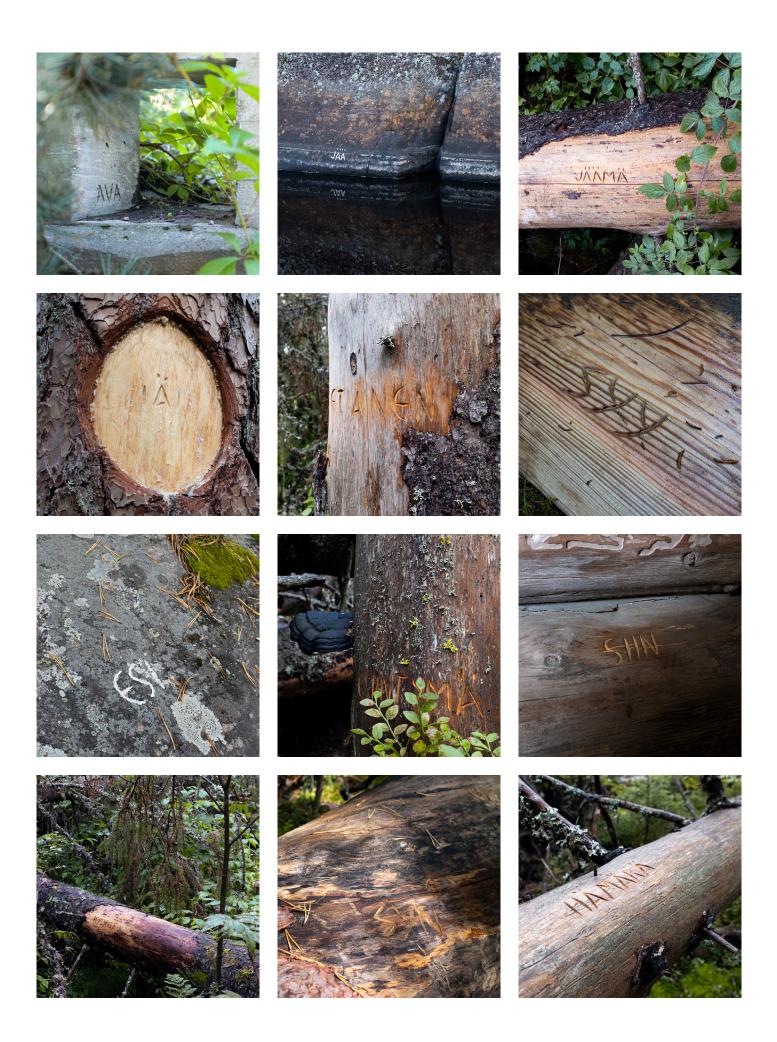
Helsinki University Museum Art Collection

- IÄI, 2020-
- University of Helsinki Hyytiälä Forestry Field Station, Juupajoki, Finland, 2020, carving in the Kuivajärvi Forest
- » IÄI, 2020– map of Kuivajärvi Forest, publication, 2020
- *≫ IÄI*, 2020

University of Helsinki Hyytiälä Forestry Field Station, Juupajoki & Viikki Campus, Helsinki, Finland, 2020, carvings on concrete, rocks, trees







## Mare Tranquillitatis

- I. Life on Earth
- II. Energy and Death
- III. Gold and Tranquillity

Commissioned for the Aalto University School of Business, Mare Tranquillitatis aims to open the everyday experience to a planetary scale of natural history, to make tangible the entangled evolutionary, material and cultural processes we're embedded in and responsible for on our finite planet.

The work – composed of mineral samples and cultural artifacts sunk into concrete steps – is spread over three separate, yet identical spiral staircases in the building. The staircases form a conceptual triangle, three interconnected thematic worlds, which represent life on Earth (i), the human propensity to convert life into energy and death (ii) and a meditation on the good life lived in moderation (iii). The third staircase has also been acoustically treated to create a quiet zone of tranquillity.

As the intervention asks users of the staircases to consider wideranging natural histories and our increasingly destructive role in them, it site-specifically directs their attention also towards the building materials of the building, the natural resources we're totally dependent on in our current civilization and economic system: sand, concrete, glass, steel and pigments.

The name of the artwork refers to the Sea of Tranquillity on the Moon, which was formed at the same time life on Earth began. Looking at and thinking with the Moon we can thus connect with the common origins of all life – but also see a possible future, if we're not changing our course: a dead rock in vast expanses of space.

The first staircase presents us with elemental building blocks of life: the crustal rock, organic compounds originating is space, earliest life, the iron – planet's warm heart and integral to the oxygen in the atmosphere. The second staircase is about the connection of death and energy: fossil fuels are dead life, uranium gives warmth to the planet but in human hands makes possible large-scale destruction, the domestic chicken feeds our bodies on an industrial, unsustainable scale. The third staircase is about our Northern civilization and our decisions: gold, profit, economy, ethics, moderation, a new direction.

2020

site-specific installation (10 capsules with mostly mineral samples sunk into the concrete steps of three separate spiral staircases; book vitrine; acoustically treated walls; stone, concrete, glass, plastics, pigments)

Aalto University School of Business, Espoo, Finland

#### I. Life on Earth (staircase 1)

- 1. Iron meteorite (Muonionalusta, octahedrite IVA)
- 2. Acasta Gneiss (3,58–4,031 Gya, oldest known intact crustal fragment on Earth)
- 3. Carbonaceous chondrite (Aguas Zarcas, CM2, rich in organic compounds)
- 4. Lunar meteorite (Dar al Gani 400, feldspathic regolith breccia)
- 5. Stromatolite fossil (Strelley Pool Chert, 3,43 Gya, oldest known life on Earth)

#### II. Energy and Death (staircase 2)

- 6. Black schist (source of Uranium, Talvivaara Sotkamo Mine, Finland)
- Charcoal (Svalbard, with traces of Ginkgo biloba, 61 Ma ago)
- 8. Trinitite (from the Trinity nuclear bomb test, New Mexico, USA, 16 July 1945)
- Decomposing bones of Gallus gallus domesticus (domestic chicken)

#### III. Gold and Tranquillity (staircase 3)

- 10. Electrum coin (a hekte with head of Apollo and a serpent, Mytilene, Lesbos, ca. 377-326 BCE)
- 11. Nicomachean Ethics by Aristotle (ARISTOTELOUS ÊTHIKÔN NIKOMACHEIÔN BIBLIA DEKA. Aristotelis Ethicorum Nicomacheorum libri decem. OXONII, E Theatro Sheldoniano, 1716. Frontispiece engraved by Michael Burghers (c.1647/8–1727), depicting Aristotle and students in the Lyceum.
- 12. Quietude (acoustically treated walls to reduce reverberation)

cutting and grinding by stone mason Elina Haukka, Ateljee Hulmi

time capsules created by watchmaker Simo Ylitalo, Rajamäen kellotehdas book vitrine manufactured by John Berger acoustics solution by Lumir Oy

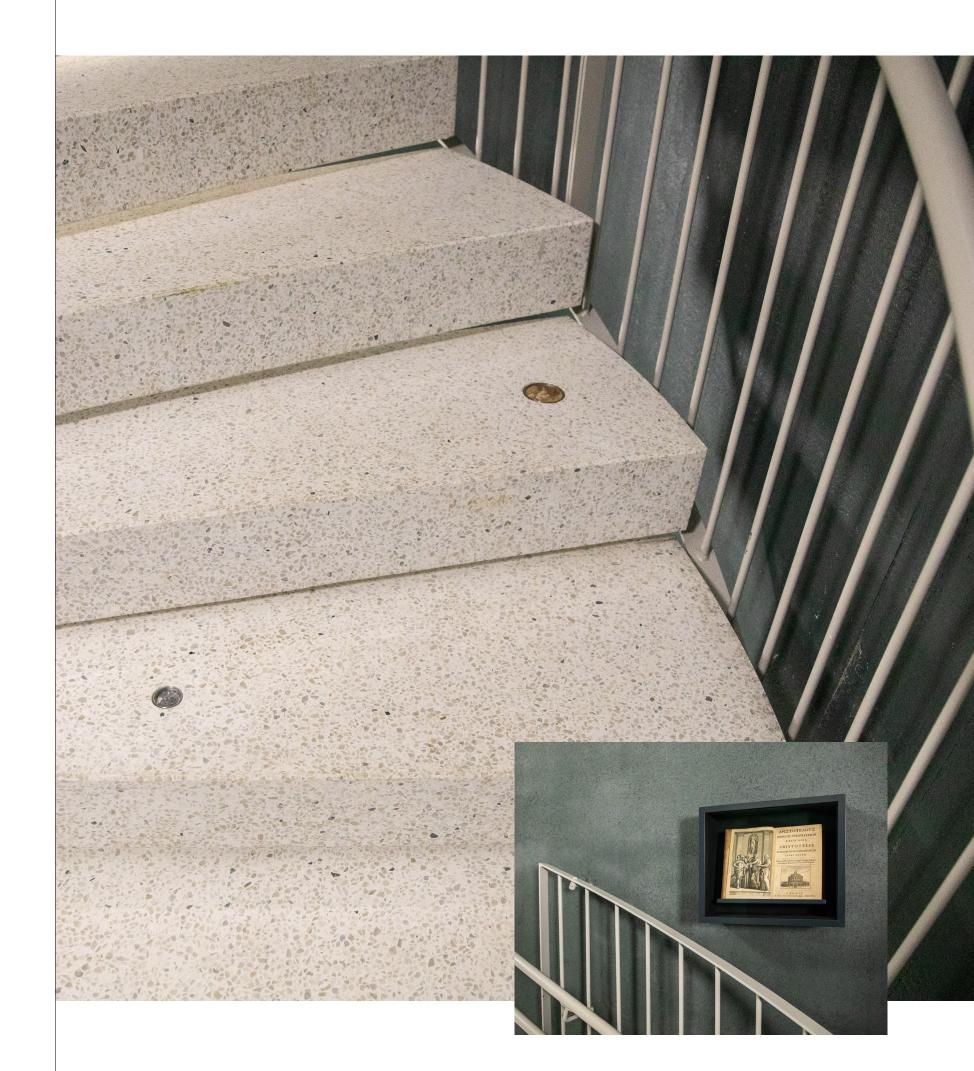
Mare Tranquillitatis, 2020 capsules before being sunk into concrete steps

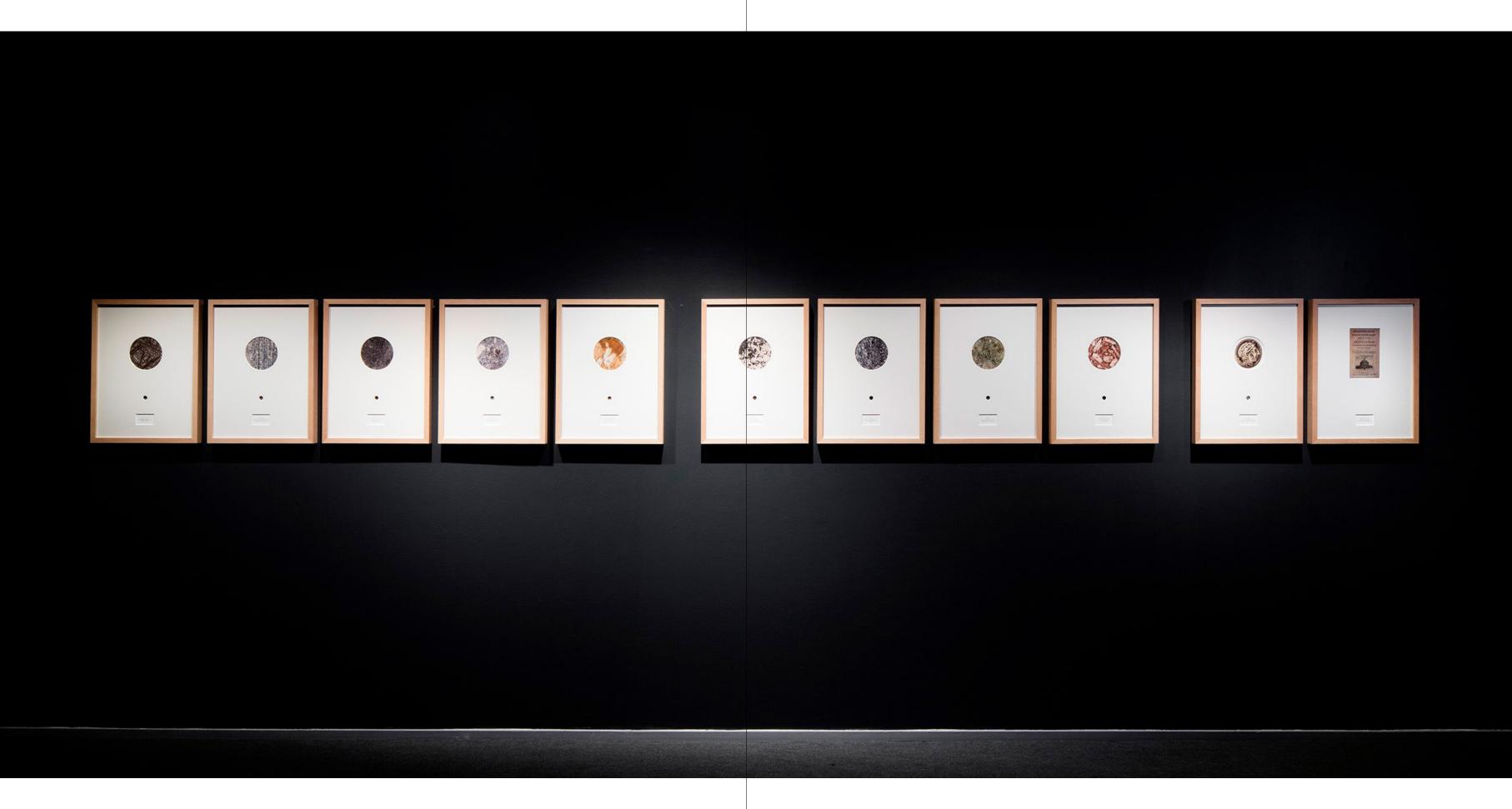






Mare Tranquillitatis, 2020, installation views, Aalto University School of Business, Espoo, Finland, 2020, sample capsules sunk into steps, Nicomachean Ethics in the staircase of Gold and Tranquillity





## Abendland (Höstens Arkiv)

Höstens arkiv (Swedish for Autumn arhive) was a site-specific gesture accompanying Abendland (II: The Place That Was Promised) (2013) – in the HAM Helsinki Art Museum Collection – which was installed in the vaults of the Alexander Battery on the Vallisaari Island as part of the Helsinki Biennial 2021.

The work consists of withered leaves gathered from the yard of the battery in the preceding year. The leaves encircle a void, invoking the absence of the tree that shed them. At the same time the circle refers to the man-made opening for the vertical spiral staircase in the vault. The leaves are part of the cycle of life and death, and they are a reminder of all the trees and plants that were supplanted by the construction of the fortifications, and the stress on the environment by the biennial itself.

site-specific installation
(fallen leaves gathered last autumn from trees
growing in the yard of the Alexander Battery, light).

commissioned by HAM/Helsinki Biennial 2021



- Abendland (II: the Place That Was Promised), 2013 installation view, Alexander Battery, Vallisaari Island, Helsinki Biennial 2021, Finland
- > Abendland (Höstens Arkiv), 2021 installation view, Alexander Battery, Vallisaari Island, Helsinki Biennial 2021, Finland



# Panhapticon

The original "Administration Building" (1998) was a comment on the renovation of the University of Turku Administration Building. As a result of the renovation of this prime example of 50s modernist architecture, the space became more closed and surveilled. The intervention consisted of an information board erected in the concourse, across the main entrance. The intervention was mostly informed by Foucault's reading of Bentham's *panopticon*, a critique of surveillance and power structures in public spaces.

In 2023, the concepts of *panopticon* or 'control society' seem both antiquated and topical. The 'machine vision' of the 90's has become an internalised culture of total visibility, where no Benthamian centre exists by default. In *Rome: Le livre des fondations*, Michel Serres writes of turba, the multitude revolving around an empty centre - the sovereign in the middle of the crowd is torn apart and circulates hand in hand as a quasi-object constituting the community.

Instead of Foucault, *Panhapticon* – the 2023 addition to the original work from 1998 – uses as its main source a work by Michel Serres, *Les Cinq Sens*, which wasn't published in English until 2016.

Panhapticon, building on Serres' ideas and finding inspiration in Breton's and Bataille's Surrealism (labyrinth, acephalos, myths of Panoptes, Hermes and Pan, etc.), seeks to reject the light and vision-centricity inherited from the Enlightenment by emphasising other senses, above all hearing. The panopticon is now transformed into a panhapticon: the five senses move us, concrete resonates and cracks, sound knows no boundaries. And we: we sing, play and dance hic et nunc, here and now.

installation / intervention (digital print in custom-made stand) information board designed by IC-98 Assembly Hall of the University of Turku Administration Building, Finland



«Administration Building" / Panhapticon, 1998/2023
installation view, University of Turku Administration
Building, Finland, 2023



### A Common Forest

A Common Forest, a commissioned public artwork for the Järvenpään yhteiskoulu comprehensive school, is a long-duration real-time video installation connecting a recently burned and now conserved forest in Kalajoki and a school in Järvenpää. Over the recurring seasons and the coming decades, the slow growth and diverse life of a new forest community will become an everyday part of a vibrant school community as generations of children grow and go through class levels 1 to 9.

Not only a device connecting the life of trees with those of humans – as in ancient Finno-Ugric tradition of "karsikko" – the work works as a pedagogical starting point for environmental education and even as an alternative clock and calendar, telling times different from our institutional human 24 hour system.

A combination of a living painting and an alternative time-keeping device, the work reminds us of long time durations exceeding human life, of earth, soil, climate and inter- and intra-generations of humans and other entities. The windmills of the nearby wind farm were intentionally included in the frame – in the spirit of convivial conservation – to stress the entangled nature of all life as we try to cope with climate emergency.

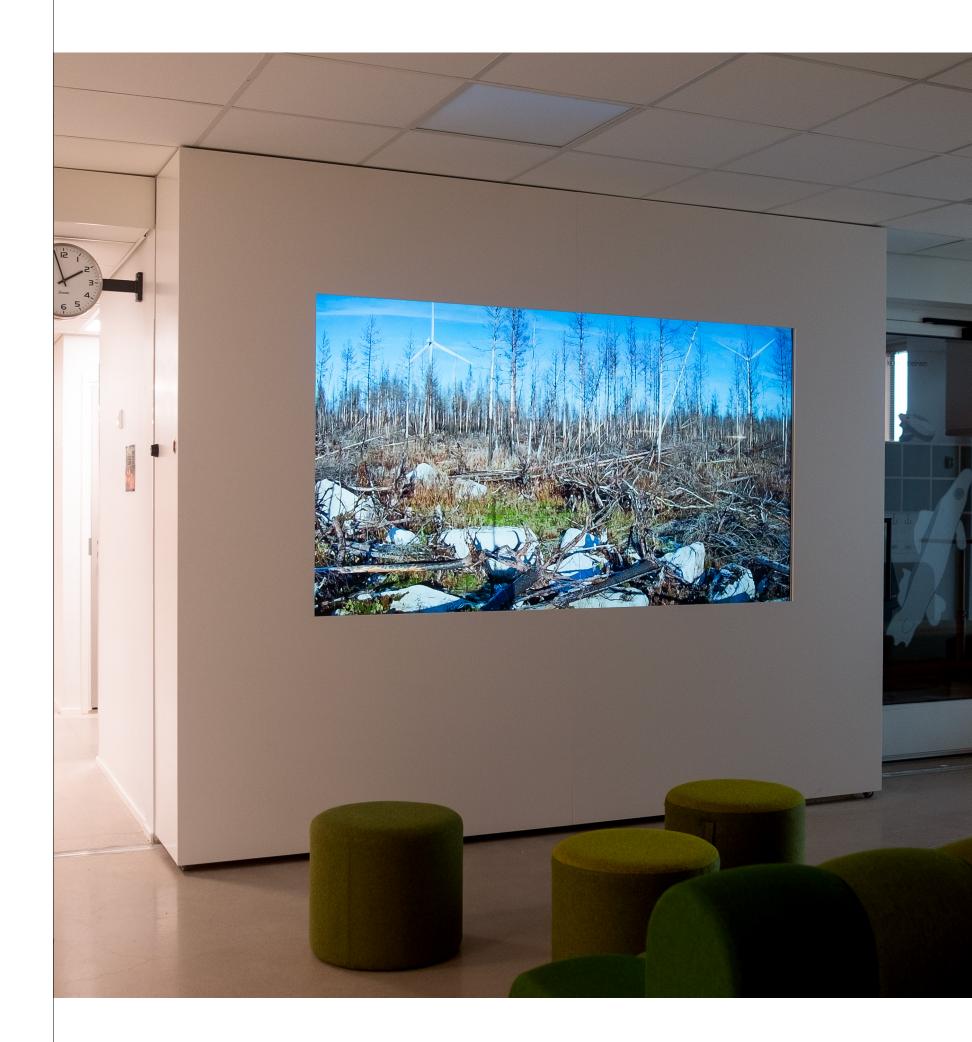
However, sustainable energy as a technical solution is not enough. Even more important is to forge a new community based on interdependence and care. *A Common Forest* is a small, local attempt to create an ongoing connection, to bring together growing children and growing saplings.

real-time video installation (camera, computer, built-in display) 2220 x 1270 cm Järvenpää Comprehensive School, Finland and the Rautio Forest in Kalajoki, Finland commissioned by City of of Järvenpää

technical solutions: Oculux Oy and Pro Av Saarikko Oy coding: Pessi Päivärinne in cooperation with Kalajoki Parish and Neoen Finland Oy



- Rautio Forest (with windmills in the background),
   Kalajoki, Finland, 24.5.2022
- > A Common Forest, 2023– installation view, Järvenpään yhteiskoulu, Finland, 2023

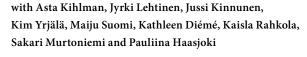


## Raa'anvaara Park of Wounded Earth

Raa'anvaara Park of Wounded Earth – if implemented – will be a landscape park covering the whole 200 hectare area of the former Raajärvi iron mine in Kemijärvi, Finland. The park will become a place for witnessing the wound, which we have inflicted on Earth and offers a possibility to forge a new community based on shared guilt, interdependence and care.

From 2019, we have been working with a multidisciplinary group to develop the plan for the park. The complete conceptual and architectural plan, accompanied by an interdisciplinary collection of academic articles on and around the project, will be published in 2024 as a hardcover publication.

The wider local discussions of and for the implementation of the project, with the confirmed support of the City of Kemijärvi, will start after the publication.



project, 2019– landscape park Kemijärvi, Finland

concept and artistic direction: IC-98
ecological and landscape historical survey: Jyrki Lehtinen
research and coordination: Asta Kihlman, Sakari Murtoniemi
geological survey and dronegraphy, mineralogical and
contaminant analyses: Jussi Kinnunen
microbial sampling and analysis, phytoremediation plan:
Kim Yrjälä
architectural plan: Maiju Suomi with Patrik Söderlund,
assisted by Kathleen Diémé and Kaisla Rahkola
architectural viewss: Kathleen Diémé
poem: Pauliina Haasjoki

publication, 2024 [Fall '24] two hardcover folio volumes in a cardboard case, 800 pages editors: Asta Kihlman and Patrik Söderlund graphic design: Patrik Söderlund

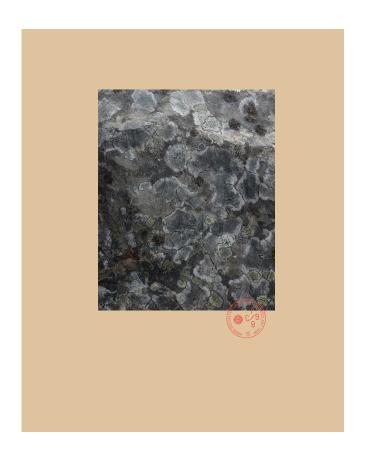
writers: 1C-98, Yrjö Haila, Antti Salminen, Ari Lehtinen, Tero Nauha, Mikko Härö, Asta Kihlman, Janne Mustonen, Timo Savela, Tiina Arppe, Jukka Mikkonen, Heljä-Sisko Helmisaari, Sari Stark, Jussi Lampinen, Taru Elfving, Anna Nurminen

reaserch: dendrochronological sampling and analysis by Pentti Zetterberg; analysis of the waters in the larger mining area by  $_{\rm GTK}$ 

photos: Arto Komulainen (newly commissioned and from his archives of 40 years)

support: Kone Foundation, City of Kemijärvi

- < Raa'anvaara Park of Wounded Earth, 2024, sketch for publication case
- > Misi-Raaka Park of Wounded Earth, 2019—, risoprint poster, 2021, for the project Para que haya fiesta tiene que danzar el bosque, TEA Tenerife Espacio de las Artes, Spain

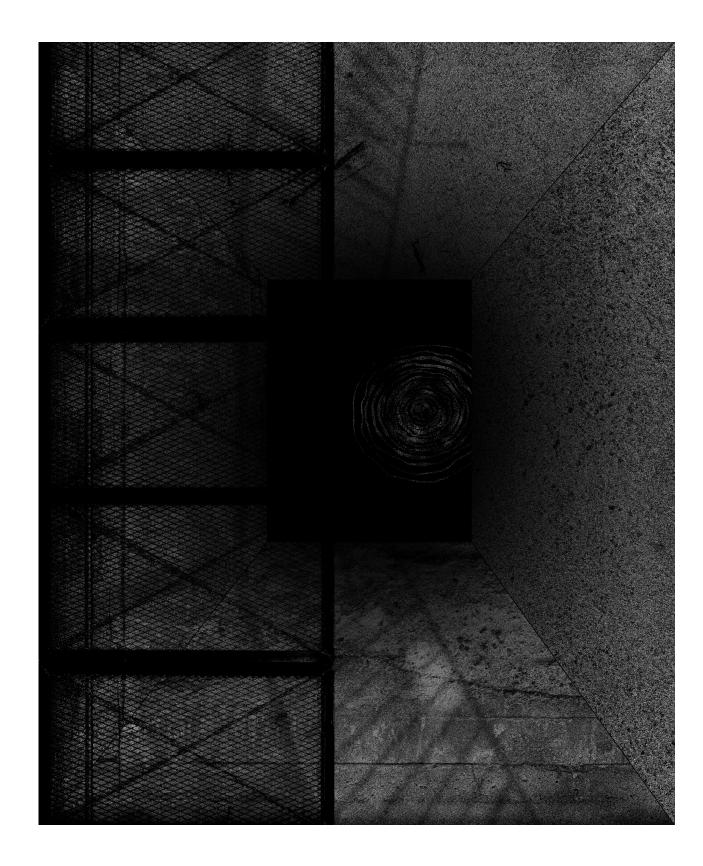




# Misi-Raaka Park of Wounded Earth



Iron Mine 1964-1975 Landscape Park 2021-



- < Raa'anvaara Park of Wounded Earth, architectural view, 2023</p>
  > Wounded Earth, exhibition view, Hyvinkää Art Museum, Finland, 2022 (Raajärvi Mine core samples (foreground), Epokhe (background))



#### ANTTI SALMINEN

# The Issue of Civilisation and the Church of Tomorrow

Observations on the Work of 1C-98

Here, too, the gods dwell. (Heraclitus of Ephesus)

"Property wanted, as a dwelling for Khronos, the god of time." In conceptual terms, IC-98's gesture appears modest. It is virtually invisible, in and of itself. Even by cautious estimate, there are currently thousands of properties of varying shapes and sizes here in the far north from bothies and neglected then abandoned wooden post-war family homes to inherited properties now bones of contention between quarrelling beneficiaries, whose dereliction or otherwise is of no consequence to anyone. But it is precisely the apparent minimalism of its denotation that lends such precision to the *House of Khronos* as an artistic act whilst simultaneously leaving it prismatically open to interpretation. This is an artwork that seeks to explore, simultaneously and equitably, the boundaries of the nonhuman, the conditions of possibility governing the existence of a civilisation such as ours and the meaning of postmodern theology.

House of Khronos forms part of a broader continuum of works by IC-98 exploring temporality and human civilisation, including Arkhipelagos (2013), Abendland (2013–2015) and Nekropolis (2016). These works establish a space where fateful ends and beginnings can meet, where the ends and beginnings can be distinguished, and where they can be rejoined. About to begin: an inevitable acceptance of the unknowability of the future of the human lot, and the seismic shift driven by the nonhuman, the temporal breadth and depth of which remains unknown – a future for which there is no previous example or precedent. About to end: the childish hubris underpinning our modern day civilisation and our ability to withstand the inevitable and unstoppable retaliation exercised upon us by the nonhuman. Also beginning-ending, ending-beginning: a treacherous crossing, western civilisation's nocturnal sea voyage, which no one and no thing can survive without changing, from one to many and from many to one.

Ancient Greek is often credited with three words for describing time: aeon (alw; an era, time of the world), kairos (kaipós; the critical or opportune moment) and khronos (xpóvos; the linear passage of time). Each of these terms has its own personification in the form of a god or a god-like, sometimes daimonic, power. All three are also subject to their own Christian eschatological interpretations. In 2 Corinthians, kairos is beautifully employed to denote the possibility of ongoing, everyday messianism: "See, now is the acceptable time; see, now is the day of salvation!" (2. Corinthians 6:2). Ancient Greek powers of time also include other nonhuman figures such as the Horae ( $\Ho$ pa), often described as nymph-like goddesses of the seasons and of the hours of the day. Many of them feature in the Homeric hymns and in Hesiod's Theogony ( $\Theta$ εογονία).

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Finland's ancient religions and mythologies feature no god of time, and the closest equivalent Khronos has may be the figure of Perkele/Ukko, the god of sky and thunder or Ilmarinen, the immortal blacksmith and creator of the sky. In Finland, Khronos will be viewed as a tourist and a stranger, perhaps even an immigrant. No Nordic religions are known to worship him. It is unlikely sacrificial gifts will mount at his door here. But as we well know, gods know how to travel and can cover vast distances at immense speed so we shouldn't be overly worried about the geographical and temporal distances involved. Still, a god, removed from his usual dwelling place and separated from his followers must be a fundamentally unpredictable and thoroughly discontented (or antipathetic) character. That is why, in Khronos's house, as Hamlet has it, "[t]he time is out of joint". In a world where the future no longer has a future and the narrative of linear progress has no currency, this is as good a diagnosis as any.

How about this for a premise: all civilisations tend to perish. Right now, two distinct schools of thought, those of catastrophism and gradualism, are vying for the claim of having accurately called the waning of our present form of fossil capitalism. The proponents of catastrophism tend to focus on critical and perhaps initially invisible systemic shifts and tipping points, moments of strategically overwhelming and ruthlessly critical decline. The gradualists, by contrast, rely on the power of slow progressing resignation, an atrophying arc of spanning centuries, of the kind that saw off the Holy Roman Empire. These two doctrines are by no means mutually exclusive, and, it is reasonable to assume, one may in fact be as indispensable as the other if there is to be a farewell to the most destructive form of civilisation to date. Be that as it may, theoretically speaking, the point here is between two very different concepts of time. On the one hand, we have kairotic time, the dread and anticipation for the moments when you will experience what the Greek tragedies referred to as justice or retribution ( $\Delta i \kappa \eta$ ), meted out in the form of divine violence.

Then on the other hand we have the gradualist undoing, a slower and altogether more gentle process than kairotic ruin, where the impending fate is foreseen, chosen and accepted. A stepwise decline may be deathly dull and dreary, but it can also allow people the opportunity to face up to and practise the art of dying in the ancient Greek fashion. Khronos is a gradualist by temperament and it is not accidental that he tends to be depicted as a been-there-seen-that sort of an old man, while Kairos tends to be portrayed as a beautiful young man, standing on tiptoe, passionately holding forth on his pet topic of the day, full of boyish, Dionysian zeal.

In his second guise, Khronos/Cronus appears as the deposed ruler of a paradise lost and one of the only fair and just ancient Greek leaders who wielded his power, though obtained through violent means, with fairness and justice unsullied by the whims and fancies typical of the other archetypal rulers that both precede and succeed him. In that sense, the *House of Khronos* points to the topos of reawakening and return, to rulers that have either abdicated

or been expelled from their thrones. This mytheme of the "buried king" is repeated the world over from King Arthur to Montezuma and from John the Evangelist to Väinämöinen. The figure is messianic by nature and always appears at a time of great need, usually having been called forth by some cairotically significant event. In this interpretation, IC-98's work becomes an architectural invocation, in which the promise of cairotic time ultimately becomes inextricable from the chronotic rhythm. These two systems of time intertwine, both in the figure of Khronos and in the house which is offered up as his dwelling place.

It is not unreasonable to assume that the first permanent man-made structure was a temple. When the site of the *House of Khronos* in Pöytyä, Finland still lay under an ice sheet, the megaliths at Göbekli Tepe in present day Anatolia had already been abandoned after 2,500 years in use (11,500–9,000 BCE). The complex is thought to have been a religious sanctuary, built by neolithic hunter-gatherers, possibly for the practice of animistic ancestor worship. If the hypothesis is accurate, it means that the transition towards domestication and the sort of agrarian practices which ultimately led to the development of sedentary human cultures did not start with the taming of wild animals or even the breeding of agricultural plant varieties. No, it was the gods that had to be tamed first.

This order of priorities, even if we are entertaining it purely for the purposes of a speculative thought experiment, suggests an experience-based approach that modern man, at the latest, felt able to dispense with. Given the technological and energy constraints of the time, megalith complexes of this kind were hardly built for a laugh. If, then, it was necessary for people to go to such extraordinary lengths to tame or at least appease the gods, the spirits of their ancestors or some other spiritual entities subject to a harder to pin down nomenclature, it is reasonable to think that for them the nonhuman did not (and for people in parts of the world still does not) consist of clearly defined sets of beings neatly sortable to distinct classes or categories or of animals, plants and minerals ideally suited to exploitation by humans, but of forces much more fundamental than this.

Perhaps amidst the merciless tumult of these forces, at the very source of energy and matter, humans, in the midst of transformation, engaged in an initial and temporary encounter with these beings, the beings later turning into subjects, the subjects into objects and so on. Perhaps the Neolithic ancestral worshippers really did choose to experience and make sense of the world in this way. But if we are to take seriously the challenge issued by Khronos and if we are to again consider time as a partner in the act of being, then the process of domestication into beings and their essence, and the modern preoccupation with the subject-object split will reveal itself as a prolonged metaphysical anxiety attack at best. There is not a single object or subject to be found in nature or time without violent reduction and abstraction.

Temple sites are never chosen at random. They all occupy a carefully chosen space, made visible by the temple itself. A temple domesticates the profane nonhuman while exposing it to the sacred nonhuman. In this sense, the temple intended for Khronos is an anti-cathedral of sorts. If our holy houses are typically built to last "for all eternity" in defiance of the sheer mundanity of time and to offer protection for our pact with eternity through the vastness of their bulk and their imperviousness to temporal considerations, the *House of Khronos* turns that promise on its head. The ancient power that has been invited to dwell within the house will destroy it as a physical structure and promptly set about building a new temple in its own image. Dereliction will ensure, the nonhuman will assert itself and, finally, a forest will emerge and prevail. In human terms, Khronos will be building a ruin, and from the ruin a ruin of the ruin – the process repeating itself fractally until only the site itself remains along with the possible archaeologies created by a holy entity that has completed the job he set out to do.

Let's say, in the spirit of a renegade durkheimian tradition, that every holy site conceals within it a secret and treasured decay. We don't need to imagine the soft-rot fungi, the

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slowly mummifying remains of small mammals, the sedimentary layers slowly building up amidst all the dust and waste. If our esteemed guest does decide to take up the invitation and human beings continue to keep away, these creatures will almost certainly be joining him at the house. Moulds will run riot. An autumn storm will rage. Some water damage will positively enhance the place. A badger might discover find her way in. Bird skeletons will emerge from beneath the putrefying flesh. Finally, the corners will be piled high with humus and, in the end, all that remains of the human effort here is the evidence of its fundamental unsustainability. An altogether different party is about to kick off here: a celebration of decay.

The fate of a culture is always decided on the furthest verges of civilisation, in the hinterlands where the relative ratios of the nonhuman versus the human are negotiated. At the triumphant peak of our fully realised modern civilisation, you would be forgiven for thinking that our culture, in its present guise, has neither a future nor a border demarcating its outer perimeter or that the border, in terms of time and location, is now found in space, on a distant orbit that is a silent wasteland teeming with communications satellites and space litter. The edges of our civilisation, the exterior boundaries, are constructed and determined artificially, always through negotiation. In this definition, each scrap of plastic found within an ancient forest incorporates that forest into civilisation, in the same way every elk lost in a suburb forges a temporary link between a human community and nonhuman nature.

But it is only on a map, in the exercise of administrative abstraction, that a boundary can take the form of a straight line. We know from nature and from our own human experience that borderlands are an unknowable and unchartered wasteland, a lawless expanse when viewed from the vantage point of the two places it separates and unites. As a conceptual gesture and as a concession to the nonhuman, the *House of Khronos* will continue to grow increasingly dilapidated in that stretch of no man's land, defending it and serving as a crossing point for it. How safe such a crossing might be and whether you would be required to undergo some form of change while using it, we simply do not know. All we can do is wait patiently for, say, 300 years or so.

Apart from our tetchy relationship with time, another horror peculiar to the human race is that the boundaries of a civilisation slice right across the human and the private sphere, too, demarcating their confines along the way. The wild and untamed forest is present within us humans in a bodily sense, manifesting itself in the form of resident colonies of yeast, bacteria and other microorganisms and making its presence felt in those moments when the immune system turns against itself. Fossil capitalism finds its end in the stomach; lactic acid bacteria do not plough, harvest or gather stores for winter. And yet our inner forests are alive, extending across all the different strata of our experience, which are so free and so independent that the rational self, geared at all times towards self-preservation, has no option but to yield, to give way, if only momentarily, to eroticism, to violence, to intoxication and to sleep, as they make an appearance and begin to unpick the fairy tales civilisations tell themselves about their own resilience and longevity. This is why I believe Khronos will be joined at his house by three of the oldest figures in the ancient Greek universe: Eros, Eris and Chaos.

Through its very existence, the *House of Khronos* articulates problems we have no hope of solving. But with a bit of luck, we may hear them and, better yet, we may even survive them. And so be it: for when the anthropocentric world gives way, whether willingly or not, what will we be able to truly lay claim to except this intractable, unavoidable problem? On the other hand, where else could the fault lie except within ourselves? And furthermore: is it not the case that this problem is in fact embedded in our unwillingness and inability to admit to the primacy, precedence and supremacy of the nonhuman? If we are the source of the problem then our own existential nature can be found at the heart of its intractability.

And as that intractability is not voided upon death but is always passed on to and lingers with the next generation, it is the irreversible incompleteness, the boundaries and our terror at the face of the difficult to pin down question that define our understanding of the natural world. It is this same intractability that also defines the boundary of our civilisation that at once cuts through and constructs the human being. We will have to engage with it, consider it from both sides of the divide, if we are to save our civilisation in anything like its current guise.

Is it not the act of defending the unconditional nature of transience and the life that it sustains and destroys what we call upon Khronos to remind us of? Perhaps, or perhaps not: the gods rule absolute because no straightforward comparison can be drawn between the intentions of the nonhuman powers around us and our human wishes, desires and capacity for comprehension. To assume that there is a "benevolent" god would be to give into sentimentality. Fundamentally, this is, rightly, a matter entirely devoid of morality. It may well be that as Khronos settles into his new home in Pöytyä, he won't like what he sees and will, for entirely logical reasons, lend his support to the brisk and violent undoing of the anthropocentric world.

It is likely that the oldest spiritual practices in ancient Greece were animistic and earth-centric. When the audacious new power players, Zeus and his brothers flanked by some younger gods entered into the battle of Titanomachy alongside Hesiod, it paved the way for the destruction of the animistic way of life. According to Hesiod's testimony, the chaotic civil war lasted a decade. Following the Titans' defeat, the victors that emerged were free to author the Hellenic history of ideas and erase the evidence of a culture that had venerated nature itself, only to replace it with a courtful of all too human archetypes that had no hesitation in revelling in both love and war.

It is precisely this victory that Nietzsche praises, describing how, following the defeat of Khronos, Zeus bedecks the winged oak "with a magnificent robe of honour into which with his own hands he embroiders lands, waters and rivers". Nietzsche had it wrong of course. His jubilation was premature. The reason he got it so wrong is that Titanomachy forms part of a theological history of colonialism. It is the story of how an earth-centric and uncivilised religion came to be crushed, the narrative provided by the victor. The young gods replaced these elusive elemental forces with a brand new pantheon created in the human image thus casting in bronze for posterity the image of Greek gods as a band of iron fisted rulers intoxicated by rape and ritual sacrifice.

But gods tend to die only to live again and so it was with Khronos/Cronus. After an aeon, he was back again. The full cycle of that particular era stretches across the entire arc of our western civilisation, from its "Hellenic" inception to its end, to a moment where methodical Greek reason has reached its limit and where there is no option but to abandon its own hysterical metaphysical manifestations so as not to interfere with life's patterns any longer and in order to become receptive to all that the nonhuman has in its gift and on which it is ultimately dependent. For this to happen, reason must engage in and leave itself open to a decisive renegotiation between the human and the nonhuman.

Is it reasonable to present a derelict old wooden house as a dwelling place for someone of Khronos's stature? Is it likely the comforts of a squat would be to his liking? Heraclitus of Ephesus, a near contemporary of the Homeric hymns, would almost certainly have said yes. It is said the philosopher lived in a modest hut, a fact that never failed to astonish his students as they turned up to visit the cleverest man in the village, expecting to see something rather more des res. To the discombobulated philosophers-to-be anticipating a decidedly distinguished and carefully coiffed figure, scruffy Heraclitus is said to have retorted: "Here, too, the gods dwell".

The above anecdote hints not only at the sites where the real power might reside, but also at the distinction between esoteric and exoteric knowledge. Firstly, power in its

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concentrated form will always seek the proximity of intense energies and will always attempt to domesticate them within the confines of a prison, albeit it nice hygienic ones. This is the sleight of hand monotheistic states have performed throughout history to flex their muscle, employing grandiose architectural flourishes to bolster their claim to being the embodiment of the greatest spiritual and secular power. The *House of Khronos* serves as an effective critique of this theological position. Firstly, it serves as a reminder that holy sites and the higher powers they appoint are likely to be found where the ruling elites are not. Secondly, it points to how a divine being must withdraw, conceal, exclude and isolate itself in order for people to seek it and find it. A god that derives their power from their own image alone or rules from a pedestal is an idol at best. Beyond the reach of religious imagery, the true power always operates half, if not completely, hidden. The journey you must undertake to reach it is, if not physically impossible, then at least extremely arduous. To complete it, people must change, perhaps even transform, utterly.

Unlike the megaliths at Göpekli Tepe, it is not likely that the *House of Khronos* will survive many thousands of years. I suspect this might suit the god of time rather well. In terms of an act of worship, the practice of admitting and surrendering to our transience is something Khronos will surely approve of. Perhaps the most appropriate form of sacrifice you can perform at his altar is to learn to achieve a good death. But the logic of a credible sacrifice is by definition an intractable paradox: in order to curry favour with a pagan god, we must give up they very thing we do not possess. This demand, also alluded to by the *House of Khronos*, lays bare the issue of our own present day civilisation and its supposed longevity. If our current way of life, entirely dependent on the destructive consumption of nature itself, continues to be excluded from the negotiations we engage in, there will be no opportunity for us to learn how to give up our entrenched practices and proclivities and, post-humanly, we will be forced to surrender all that we possess to the nonhuman powers that surround us, time being one of them and by no means the most insignificant.

The question we must ask is, can the *House of Khronos* serve as the church of tomorrow? What if Khronos never turns up? Is it wise to rely on the ritual magic practised by IC-98, given the huge significance of what's at stake? Not to worry. It may well be that the kairotic, messianic, redemptive moments will never arrive and the slow slog of gradualism towards the fossil capitalist endgame will come to be seen as an obvious and natural direction of travel, embraced by the public and pointless to resist. Khronos himself, however, can always be relied upon: time is not a renewable resource as such but without it, renewal will not be possible. Khronos will come. Spring will be here.

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### IC-98

founded in 1998, consists of Patrik Söderlund (b. 1974) Visa Suonpää (b. 1968) They live and work in Turku, Finland

With backgrounds in visual arts and cultural studies, IC-98's 24-year collaboration has produced artist publications, site and context specific projects and interventions, animated moving image installations, short films and various public commissions. IC-98 received the Finnish State Art Prize in 2009 and represented Finland at the Venice Biennale in 2015. Their work has been showed extensively at museums, biennials and festivals in Europe, Asia and the Americas. They often collaborate with scientists and other arts professionals.

Though their practice is essentially conceptual, IC-98 has been best known for animations, which combine classical drawing and digital effects, depicting landscapes shaped by long time durations, natural and human histories and climate. Mythical, material, factual and fictional elements are weaved together into visual stories, which - though deeply political and meticulously researched, scripted and executed are presented as open-ended poetic narratives. The mood of the works alternates between a sense of crisis, melancholy, acceptance and resigned optimism.

IC-98's work since 2010s addresses the environmental crisis and artistic-political methods of finding solutions to it. The projects seek to replace anthropocentric worldview with modes better suited to take into consideration the interrelationships, dependencies and myriad temporal rhythms of all animate and inanimate nature.

#### Selected Solo Exhibitions (2016–2024)

- 2024 Finnish National Gallery Ateneum Art Museum
- Hyvinkää Art Museum, Hyvinkää, Finland
- Serlachius Museums, Mänttä, Finland
- EMMA Espoo Museum of Modern Art, Finland 2020
- Kunsthalle Helsinki, Finland
- Beaconsfield, London, UK 2017
- Röda Sten Konsthall, Gothenburg, Sweden

#### Selected Group Exhibitions (2016–2023)

- 2023 From Line to Space, Kuntsi Museum of Modern Art, Vaasa, Finland
  - The line is life itself, Monash University Art, Design and Architecture Gallery, Australia Kustaa Saksi: I grenselandet, Telemark Art Museum, Norway
  - Kustaa Saksi: In the Borderlands, Design Museum, Helsinki, Finland
- Vom Verrinnen, Kunstmuseum Reutlingen, Germany
- Back to the Roots, Sorö Art Museum, Denmark
- Helsinki Biennial 2021, Finland
- MOSS or A Study of Cerebral Chasms Caused by Living Under Boreal Conditions,
- Kunstverein am Rosa-Luxemburg-Platz, Berlin, Germany
- Living Matter, The New Tretyakov Gallery, Moscow, Russia
- Overview Effect, Museum of Contemporary Art, Belgrade, Serbia
- Finds from Time, Kuopio Art Museum, Finland
- Conscious Landscapes, Museum of Contemporary Art Skopje, Republic of Macedonia
  - When is Now, Wäinö Aaltonen Museum of Art, Turku, Finland
  - Finnish aalto, Busan Museum of Art, Busan, Korea
- Riga International Biennial of Contemporary Art, Riga, Latvia
  - Northern Exposure, Nordic Museum, Seattle, USA
- Collecting Europe, Victoria and Albert Museum, London, UK
  - If You Don't Like Art, Goodbye, Fuck Off, Go Home... Art from Nordic Contemporary Art
  - Collection, Vestfossen Kunstlaboratorium, Vestfossen, Norway PveongChang Biennale 2017, Gangneung, Korea
  - Extension.FI, Triumph Gallery, Moscow, Russia
- Fireflies in the Night Take Wing. Metamorphosis, Stavros Niarchos Foundation Cultural Center, Athens, Greece

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#### **Public Works and Commissions**

- 2023 A Common Forest, Järvenpään yhteiskoulu & Susineva Forest, Järvenpää & Kalajoki, Finland
- Transit, for Tero Saarinen Company & Skånes Dansteater, Malmö Opera,
- Sweden (premiere, 2020); Helsinki Festival, Helsinki, Finland (2021) Mare Tranquillitatis, Aalto University School of Business, Helsinki, Finland
- ıäı, Hyytiälä Forestry Field Station & Kumpula Campus, University of Helsinki, Juupajoki & Helsinki, Finland
- Misi-Raaka Park of Wounded Earth, Kemijärvi, Finland [in process] 2019-
- Genius loci, Kaarina House, Kaarina, Finland 2018
- House of Khronos, Lönnström Art Museum Contemporary Art Project #1, Pöytyä, Finland
- Family Trees, Maunula House, Helsinki, Finland

#### Selected Festivals

- Sundance Film Festival, Park City, USA
- International Film Festival Rotterdam, The Netherlands; Ann Arbor FF, usa; Tampere Film Festival, Finland (The Golden Shade Prize for the best collaboration of cinematography and direction); Reykjavik International Film Festival, Iceland; Vienna Shorts, Austria; Bucharest Short Film Festival, Romania; Segni della notte, Urbino, Italy (Student Jury Main Award); Green Tech FF, Romania; Pravo Ljudski FF, Sarajevo; Finnish Film Week, St. Petersburg, Russia; dokumentART - films & future, Neubrandenburg, Germany; Reggio FF, Italy; Blue Danube FF, Budapest; Festival International Signes de Nuit, Paris (Main Award); Black Canvas – Festival de Cine Contemporáneo, Mexico City; Helsinki International Film Festival – Love & Anarchy; Arctic FF, Longyearbyen, Svalbard (Best Cinematography); Festival Internacional de Curtametraxes de Bueu, Spain; Nordic Film Fest, Rome; Polar Festival, Institut Finlandais, Paris; Festival International Signes de Nuit, Bangkok (Prix de Nuit); Sundsvall FF, Sweden
- Tampere Film Festival, Finland;

#### Filmography

- Impivaara A New World, 26'00", short film 2024
- Lands of Treasure, 53'00", 2-channel video installation
- Theses on the Body Politic (Bind), 12'45", 3-channel video installation
- Realms/Omnia mutantur, 19'38"/18'18", short/1-channel video installation
- Epokhe (The Last Sixth of the Final Hour), 10'00", 1-channel video installation 2017
- 2016 Nekropolis, 32'00", 1-channel video installation
- Abendland (Hours, Years, Aeons), 43'00", short /1-channel video installation 2015
- Abendland (II: The Place That Was Promised; III: The Edge That Was Set), 16'00", 2013-2014 2-channel video installation
  - Arkhipelagos (Navigating the Tides of Time), 20'00", short/3-channel video installation 2013
  - Arkhipelagos (Ebb), 10'00", 1-channel video installation
  - A View from the Other Side, 70'00", short /1-channel video installation 2011
  - Theses on the Body Politic (Colony), 10'50", 1-channel video installation 2010
  - Theses on the Body Politic (Riket), 14'00", site-specific 1-channel video installation Theses on the Body Politic (Shadows), 45'00", short /1-channel video installation 2008

  - Theses on the Body Politic (The Descent), 6'11", 1-channel video installation 2008 Theses on the Body Politic (Vicious Circles 1-3), 35'10", 3-channel video installation

#### Works in Collections

2007

Hyvinkää Art Museum, Gösta Serlachius Fine Arts Foundation; State Art Deposit Collection, Finland; Kuopio Art Museum, Finland; Västerås Art Museum, Västerås, Sweden; Nordic Contemporary Art Collection, Sweden; Helsinki Art Museum, Finland; Turku City Art Collection, Finland; Saastamoinen Foundation Art Collection, EMMA – Espoo Museum of Modern Art, Espoo, Finland; Heino Collection, Helsinki, Finland; Museum of Contemporary Art Kiasma, Helsinki, Finland; Matti Koivurinta Foundation, Turku, Finland; Turku Art Museum, Finland; Pori Art Museum, Finland; Pori Art Museum Deposit Collection (AJ), Pori, Finland; Rejmyre Folkets Hus, Sweden

### IC-98 Moving Images and Other Projects 2016–2024

Editor Patrik Söderlund English Translation & Language Editing Liisa Muinonen-Martin / Patrik Söderlund

Graphic Design Patrik Söderlund

Image Processing Petri Kuokka/Aarnipaja Ky

Minna Luoma/Candy Graphics Oy

Photos
Ugo Carmeni: 8-9
Hendrik Zeitler: 13-14
EMMA/Ari Karttunen: 23-25
TSC/Kai Kuusisto: 29, 31
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Jussi Tiainen: 38-39, 70-71, 81
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Paavo Lehtonen: 67

Grano, Vantaa 2018 (original edition 1: 2016–2018) PDF 2024 (continuosly expanded edition 2: 2016–2024)

Vesa Aaltonen: 67 Aalto University/Mikko Raskinen: 68–69 нам/Маіја Toivanen: 72–73

Jouni Kuru/Brave Teddy: 74–75 Patrik Söderlund: 17, 19, 50–51, 53, 55–56, 59, 63, 65

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