





31.12.2024

01.01.2024

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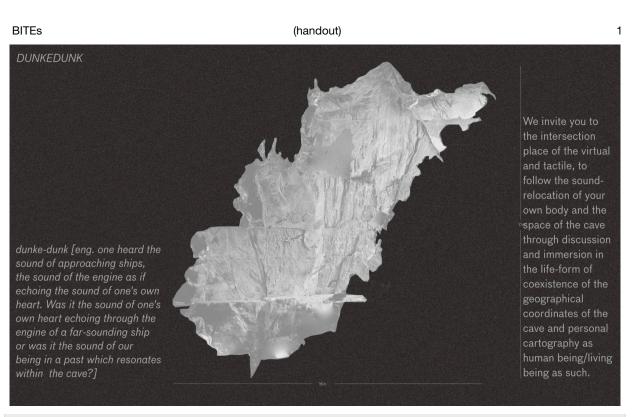


Fig. 1—if we go to the edge of the world as we can know it, we are likely to find a variety of environmental materials from which we can develop designs for alternatives within the y. We are not only living in the world, we are also wearing it as it wears on us. The montage is from Natalija Korotkova and Nina Tsybolskaja exposition in VIS.

Listen to the dunkedunk of a boat amidst the roaring arctic sea, bringing you to Sørøya: you are off the coast of Finnmark. You want to go and spend time in a cave. Here you will still hear the noising sea, but also place yourself in time: you are now, the cave is old, during WWII the cave has a place for listening and transmitting radio-signals. Here you are in the <u>Herzian field</u>... you realise that it still exists in the perimeter of digital equipment, bordering unto a very physical world. You are in the realm of an exposition: and for a time it will be your site. You want to go and spend time in a cave.

We will share with you during ARW 24 in a panel featuring: Nataliia Korotkova, Nina Tsy and Theodor Barth. Nataliia and Nina are two alumni from KHiO—Nataliia MA design from KK and Nina MA design from IM—Theodor Barth, Professor of theory and writing at KHiO. Our question: as we are currently living in the world, what is the nature of an interior when we are wearing the world (as

> it wears on us)? How do we understand and categorise the world, if the human life-form is—with its odd contraptions—is truly part of nature?

A place where the smooth transition in a rough environment takes place and the landscape is becoming the cavescape, the cavescape is becoming the humanscape, the humanscape is becoming the landscape. A place where the collective memory in public space is seen as body memory which could be experienced by your body, our own cartography, individually or collectively in order to be preserved as a map of our being. Here you will still hear the noising sea, but also place yourself in time: you are now, the cave is old, during WWII the cave has a place for listening and transmitting radio-signals. Here you are in the Herzian field... the electrosphere.

We realise that it still exists in the perimeter of digital equipment, bordering unto a very physical world. We propose this as a site-location for what—in the current lingo of artistic research—is called an <u>exposition</u>. It is what we might call a *candidate* public space. It might/not be public. Yes, it has been published in VIS. But in the occumene of artistic research is marginal since it is produced by two MAs in design, who are not PhD fellows (yet, funded Fig. 2-are there common notions (that by the the Barents secretariat), and have been prepared, through the MA environments with human habitats: that programme in design, to do artistic research. In our conjoint investigation is, between the proliferation of extreme conditions and human life-ways?

we will attempt provisionally to turn these working conditions into an asset.

10.11.2023 theodor.barth@khio.no

In the exposition [re] mapping of being-landscape/cavescape/humanscape Nataliia Korotkova In the exposition [re] mapping of being—landscape/cavescape/numanscape Natalia Korotkova and Nina Tsybloblakia are inviting the viewer to a [re] reading. I spent some time ponder on how my re-reading involved my knowledge of history and performance could tap into the liveness, that readily comes through the material they share on SAR's research catalogue platform, with an architecture that can be called out from the top left of view, to guide the reader through the labyrinthine views of an exposition, that was published by VIS Nordic Journal for Artistic research.

I also pondered on why my [re] readings always tend to result in a [re] arrangement of the materials that I at hand. As though [re] reading too is [re] mapping. An exposition is a non-linear media ngly it invites non-linear reading, with an a rearrangement as a logical consequence: on the page a poem appears; click the play icon and a voice reads the poem; click the hyperlin

But where have we been? The cavescape and voice together is a container that invites us to inhabit it: the reader is received with chill, moist and a rock-like voice saying: here time did not occur, this body touched the stone, people lived inside the grey rock, the time-interval remained a constant time-interval, the day continued to be a constant day, the fabric became drenched, the water stopped trickling, this body touched the body, the fabric took the salt, the grey rock became part of the body, this body became part of the rock, the rock took the salt, the rock took the bod

I felt I had to take time to listen to this voice—and the sound that followed—while watching the video of the 3D scan from the Kvithellehula in Hasvik on Sørøya. As the Second World War was slowly coming to an end, the Nazis had promised the Finnmark and North Troms to destruction: so the Russians would get their hands on nothing, when they came. The tiny population on Sørøya mud-houses, overturned boats and sheds that would be unseen from above by the bombers

Many people thought the Russians would come swiftly. But time stopped: through a long winte

the agent intellect (assuming that the agent intellect is the corollary of sign-value). Let us assume that an explanation—of the type explicated by F. Barth—emerges during a meeting, and that the explainer is simply the one keeping a record from the meeting, for the minutes. What guarantee do

we have for meetings of this type, to reach and be convertible (according to the understandings arrived at during the meeting) outside the confines of the meeting (in this sense sustainable)?

That is, what are the conditions for the understandings hatched during a meeting-and the under

idings arrived at through explanation—to be credible and trustworthy? Often, we will assum

that this hinges on whether the interaction between the participants is sincere and true. But in the

what the conditions are for a compromise to be sustainable and *convertible* beyond the mee

Of course, what is needed is a *match* between the *productive* utility of which the actors partake, and their *receptive* awareness of it: and, under this, the adjacency between the *perceived* consequences of an action, and the *intercepted* value from the specific results. The point being that *none* of these need to be optimal for the perception to be *accurate* and the interception to be

precise. Which means that if we tether ourselves to these - accuracy and precision - we will have a

sub-optimality of the process and its outcomes

The point of modelling these with the full homo-

morphism cycle (Fig. 1) is to see if it is possible

occasions that E Barth gathers under the

coasions that F. Barth gathers under the cultural organisation of social encounters. The different "lenses" laid out in the diagram, suggest that a walkabout with a certain practical logic has to be done, with small jobs done at each step: an the inner tangles of the walkabout being worked out in such a away that the interaction.

step: an the inner tangles of the walkabout bein worked out in such a away that the interaction levels up to articulate in/with the agent intellect

to arrive at a quality gradient for the process and result of meetings: that is the wiring of tasks and

different model: where certain quality-standards can be achieved/sustained, notwithstanding the

Fig. 2—work that is done before a sign-value is hatched. The terms denotation, connotation, controllarial selection, carriergative selection and circumstrated isolations are used to be glob that are done before a given has a use-value for a lactionalistic.

Which means that if an explanation assigns (a) and (b) to match, at some level, it means that

wake of achieving a mutual understanding (by resonance, or a step-by-step converg

ual intentions) what is arrived at is often (more often than not) a com-

denotation contextual selection exoselection on one of selection exoselection on one of selection one of selection exoselection one of selection one of s

ents, but at mapping them in a ne-space which is the same, milar, different and other scoping back and forth reader to do the same, simila

fers an architecture of sorts. A

nt or other... The exposition

Nataliia Korotkova and Nina Tsy/bolskaia write in their VIS exposition: "Our body scale reflects our tion; humans are aware of what is behind their heads as well as what is in front. Koffka once stated 'What is it that lies between the 'in front' and the 'behind'? - 'Just tha anal object we call the Ego' (Koffka, K. 1935. Principles of Gestalt Psychology, New York rcourt, Brace). A bit further down they infer: "What, then, lies between the 'up' and 'down' Perhaps the phenomenal object we call The Memory." What then of the above image (Fig.1)?

It is an intermediate angle: in this angle, a) 'in front' and 'behind' [Ego] is preserved along with b) up' and 'down' [Memory]. What I will venture to discuss here is the impact of assuming that this angle is the angle of *signification*. In **Fig. 1** the viewpoint is not a satellite—the angle is less than 90°—and could be a GoPro shot from a kite/hang-glider. In terms of the Ego (Koffka) and Memory rotkova, Tsy/bolskaia) an "exchange" is taking place: the Ego and Memory have to give something to one another for signification to occur. A joint perspective of materialist mathematics

Suppose that to every *operation* (here, the moving rock [Ego]) is associated a *distribution* (here, a track where the rock has been [Memory]). Then consider that at some angles the operation and distribution will achieve an unstable equilibrium; while, at other angles, they will simply fall apart. Which means that at some angles a *mapping* will occur. So, if we have a group G of *rocks* and a group H of tracks, there will a smaller group at which a mapping occurs. Let us call *I* the function that maps the rocks unto the tracks, then the mentioned group prefiguring mapping is *ker(f)*.

That is, the kernel of f. It results from a the kind of calibration that precedes a mapping. A sign, i his understanding, features a turn at which the give/take between Ego and Memory, opens up the field for questioning (that would not otherwise concern). Obviously questions are asked in verba

language. However, the explication of the sign in erms of group algebra, is not establish passing through language. But has to do with the relation between human being, apparatus and relation between human being, apparatus and certain critical adjustments: signs are, in this sense, emergent and material. The time of the rocks. The time of their tracks. What comes ou of the photo in Fig. 1 is not only that there are rocks and trails, but also patterns.

A pattern is an emergent structural property

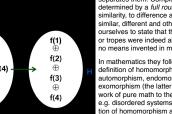
esulting-in the above case-from a certain angle in combination with a certain altitude. urther up or down, we know that the pattern will

The cartographic resource will today have applications in areas where pathfinding and goalseekir are taking place conjointly. It establishes some criteria of readability in such applications. Its assignments comes from extensional semiotics: the domain of extra-linguistic signs that become candidates for signification at the rim of the human realm, and for meaning once they enter/visit it Extensional semiotics is an application of *graph theory* that studies/manages extensional signs: signs that are defined such that can be defined by *extension*, while remaining intentionally *remote*.

Extensional semiotics there affords the study/management of intention: the articulation of intention Extensional semioucs there among the study/management of intention; the articulation of intention through assignment (rather than e.g. assumptions about it). The proposition is to let extensional semiotics define from the part of graph-theory that deals with mapping, and specify under which conditions it will take on the cartographic assignment. Homomorphism features the statement of articulations at the said rim. According to J. Schreider's terminology (1975) this rim can be articulated between a domain of departure and a domain of arrival. Cause-effect; means-end.

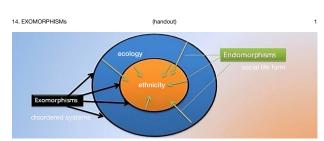
In the cartographic application, furthermore, the practice of graph-theory itself is moved from abstract algebra to a domain where completeness is *not* restricted to the conclusion of a mathematical proof *per se*, but is considered as a *condition* to move onwards: proposing a handrail for cogency in decision-making (which is what effectively makes the application cartographic). Such attempts have previously been ventured with what anthropologist Claude Lévi-Strauss called the exhaustive method (featuring Marc Barbut's 1968 application of Felix Klein's 1872 math).

But if we look for a way of mapping graph theory unto its application in cartography—as a working definition of extensional semiotics—then we also move from the identity of the terms related in the domain of departure and arrival, the structural similarity between the groups to which they belong the productive difference between them in terms of meaning, to the heterostructural conditions the



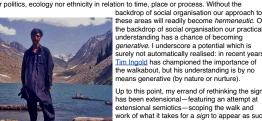
meaning, to the neterostructural conditions to paratest them. Completeness is here etermined by a full round from identity and miliarity, to difference and otherness. Same, milar, different and other. Here we will limit urselves to state that these categories, phase there were included betweether the condition. pes were indeed abstracted by math, but by ns invented in mathematics.

ematics they follow from the broad $\triangleleft 4) -> f(1) \oplus f(2) \oplus f(3) \oplus f(4)$, where the bols oxtimes and \oplus are *related* forms of addition (i.e., +) but not identical ones. In aggregating ongoing operations, tasks are not added to each other in the same way as when account for them



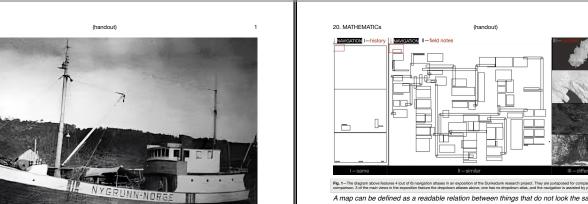
Imberto Eco repeatedly explained the sign as something that can be used to lie: if it can be used to lie, then it is a sign. My point of departure has been fiction; that fiction—contrary to illusion is will be marked by reality. That is, fiction is heterostructural (in the sense of being structural and here). When a pattern of signs emerges, arises the possibility of verbal language: which is to ask a riculate questions. By articulating questions they can improve, and as they improve they litted the interceptions of new/keener patterns. That is, the orienting moments of ongoing work.

As I am slowly reading through an article in Spanish on ethnicity by Thomas Hylland Eriksen, who carefully lays out how Fredrik Barth's errand with the topic departed from structural function am becoming aware of how the mathematical notion of structure—explained to the humanities by Marc Barbut (and taken on by e.g. Claude Lévi-Strauss)—contrasted with the functional aspects of he sign, pointed out by Roland Barthes, in the wake of Ferdinand de Saussure's linguistically founded semiotics. This functional aspect is also present in Louis Hjelmslev's expression/conte What also dawns on me struggling my through the article in Spanish is how potentially rich and politics are important: they switch at taking place at the core as a lens to study social life as it is aking place at the core as a lens to study section). In the 360° study of social organisation politically those lenses—on the backdrop of social organisar

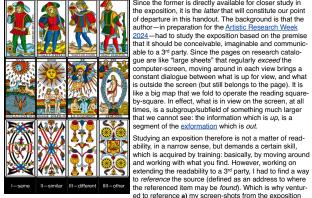


on). That is, intercepting and working up

signs to the point where they will signify and car e assigned linguistic meanings. Essentially



A map can be defined as a readable relation between things that do not look the same. That is, nces that are abstract in the sense that they are not based on mimesis (or, imitation). In



Since the former is directly available for closer study in the exposition, it is the *latter* that will constitute our point of departure in this handout. The background is that the author is proportion for the Authoritie Processes Work —had to study the exposition based on the premis t should be conceivable, imaginable and commun ble to a 3rd party. Since the pages on research catalo outer-screen, moving around in each view brings a tant dialogue between what is up for view, and wha utside the screen (but still belongs to the page). It is e a big map that we fold to operate the reading squa quare. In effect, what is in view on the screen, at all nes, is a subgroup/subfield of something much lar that we cannot see: the information which is up, is a

> to reference a) my screen-shots from the expe with b) screen-shorts from the navigation map that drop down when tapped/clicked from the top-left area of the exposition (cf, Handout 19. HISTORIEs). At this point, see this as the best available candidate form of reference to this kind of exposition, on platforms outside research catalogue. But then there is a new kind of mapping taking

The question is time: when oose the collective level up? Or, now can we tell? A difference makes a difference is the sense that homomorphism—in the cartographic sense—forms a group learning theatre. In practical terms, this happens when it becomes a stage on which learning, moving and acting can take place. Where behaviours become self-explanatory when: (a) the utility of their consequences are in terms of values held by the actors, and (b) the awareness on the pt of the actors connects the actions with their specific results. We can act suboptimally, in concert. The work of homomorphism lies here, because we do not act in concert in the sense of "in symphony" but in the sense of: in compromise on account of a collective *level up* that can be intercepted (in terms of its specific results) and perceived (in terms of the utility of its conseque es). So, homomorphism is a key to the reformulation of transaction; a transaction of a different kind, that does not follow the minimax pattern, but that a kind of good where individual optima are exchanged for a collective benefit: whether these are professional, economic or political. The learning theatre is dedicated to achieving

The complex sense of homomorphism that we have developed for cartographic purposes—

At this juncture, an ethical question is hatched from the dependency on the integration of exc

by the dialectics of complication and chaos]). If homomorphism is dedicated to the fulfilment of

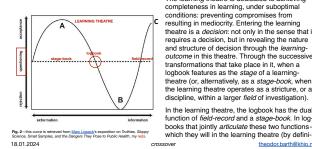
partaking of the life in the city, where the root of individual fulfilment lies in collective happiness When the collective levels up the individual is justified in making compromises. This is ethics

The question is then: when does the collective level up? Or, how can we tell? A difference that

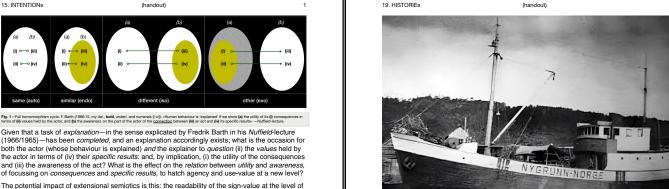
suboptimal conditions, then its integration will relate to ethics (in the root-sense of Aristotles)

The complex sense of nonmonorphism that we have developed for cartographic purposes—a device to learn, move and act in situ—rounds up in the existence of a map, as a boundary object: it is a crossroads between expert- and lay view (Starr & Griesemer, 1989). A map, in this sense, is a scenographic arrangement for a learning theatre. Analytically the map features specific results from which it is possible to draw a variety of consequences: that is, to move from trouble to problem and to solve it. It is a specific homomorphism that layers auto-, endo-, iso- and exo-morphism.

norphism for homomorphism to achieve closure (i.e. it becomes complex [rather than being held



and structure of decision through the learning-outcome in this theatre. Through the successis transformations that take place in it, when a logbook features as the *stage* of a learningtheatre (or, alternatively, as a stage-book, when the learning theatre operates as a stricture, or a discipline, within a larger field of investigation In the learning theatre, the logbook has the dua function of field-record and a stage-book. In loc books that jointly articulate these two funct



Since they studied for the MA at KHiO, Nataliia Korotkova and Nina Tsybolskaia have moved on in life. Nataliia is on a scholarship in Hokkaido, Japan. Nina lives in Alta working with sustainable ourism (learning from the lessons in Lofoten). This what they are involved with now. On my part, I nvited them because they also are MA alumni from KHiO, continued to develop their reflective basis from the MA in design, to develop independent projects, and work at publishing. As simply as that. They are still young professionals interested in extending the platform they got here. Of course, they might not agree with this description - as they have projects and they have pub-

Of course, they might not agree with this description—as they nave projects and they riave published in VIS (Nordic Journal for Artistic Research)—since it is on their own merits, without initiative, encouragement nor support from the school. The reason why I am still making the connection is that I am calling for a historical responsivity at the school to follow the contributions that our alumni are making to subjects that teach, questions that we speculate about, research that we do. History is no longer something that we can assume, but must actively assign by working on it.



e. At KHiO she specialised in erior Architecture & Furniture her professional career since.
Nataliia specialised in Clothing & Costume design, but developed her work in the direction of she was still studying at KHiO. In she was still studying at KHiO. In the wake of the Sørøya project in Finnmark, she embarked on a related project in Hokkaido. Both Sørøya and Hokkaido are islands. And both have caves.

Nina was born, grew up

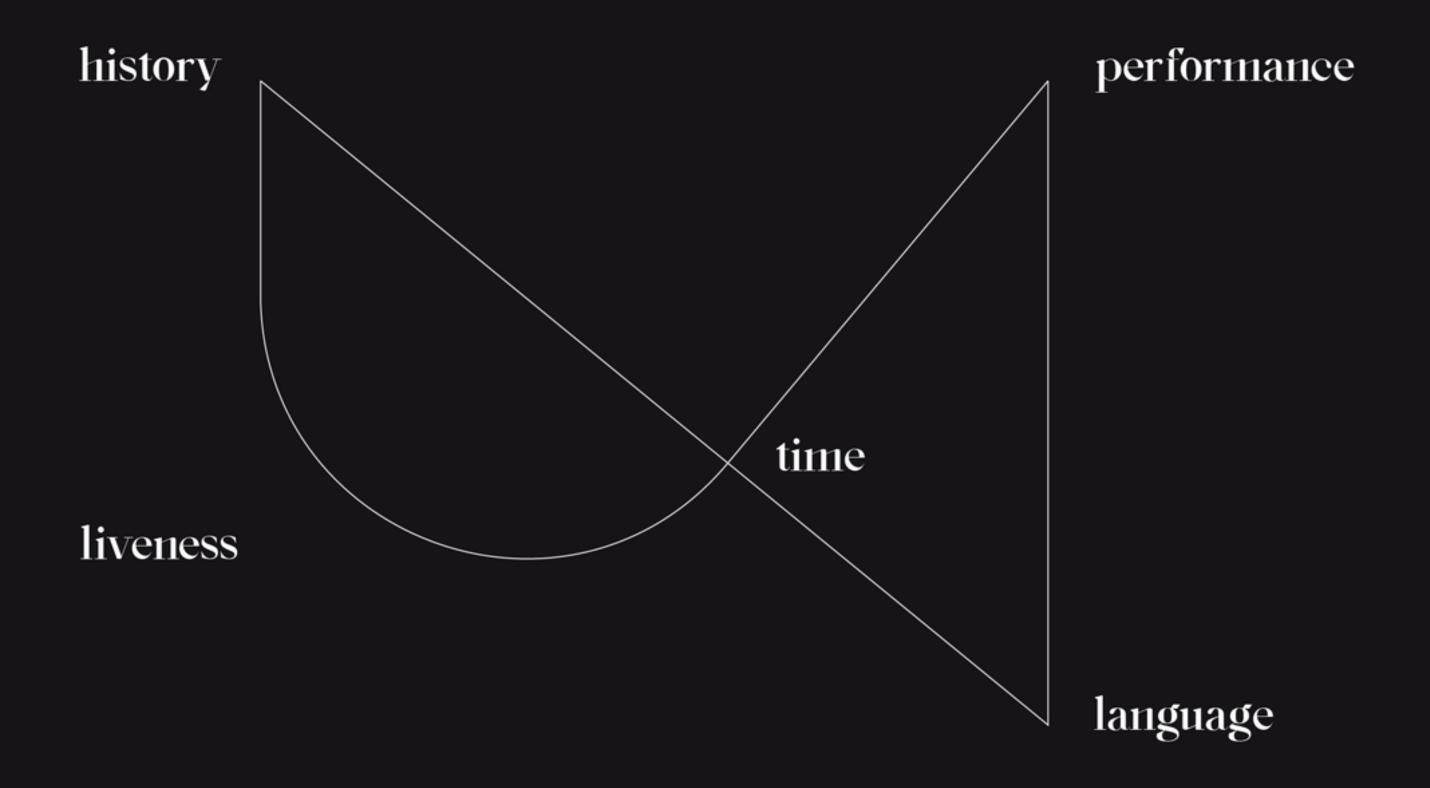
learning theatre

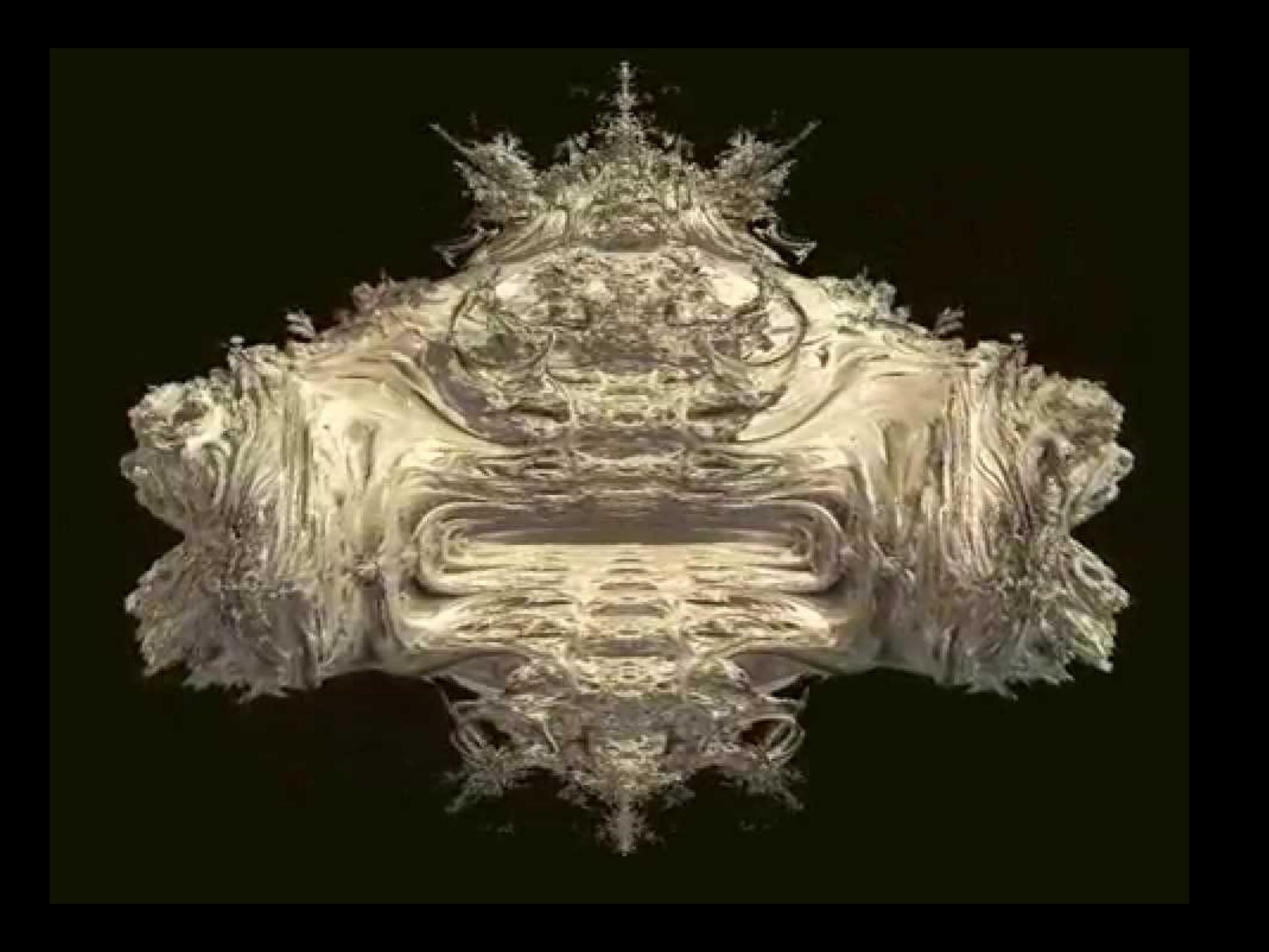
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{re}reading





The Mandelbrot set as an *object*—moving sideways/crabwise

How to trail the tracks of something/someone both moving and changing along the way? Tricky question.

— What do we get?



Benoît Mandelbrot math-ematician (a founding fig-ure of fractal geometry)

15/02/1944

The "Murmansk convoy" passed Sørøya on its way to Murmansk. The convoy headed directly from Sørøya to Murmansk. The refugees were distributed among 26 cargo ships before the journey continued to Scotland

502 refugees left the Sørøya, and the same number landed in Scotland after the dramatic crossing

____/02/1945

The "Sørøygeriljaen" was established.
The troop's mission was to defend and secure
the approximately 700 civilians who were still left on Sørøya.
The squad consisted of approximately 70 women and men.
The Sørøylottene played a central role in the "Sørøygeriljae"
and were the first Norwegian female soldiers in active combat

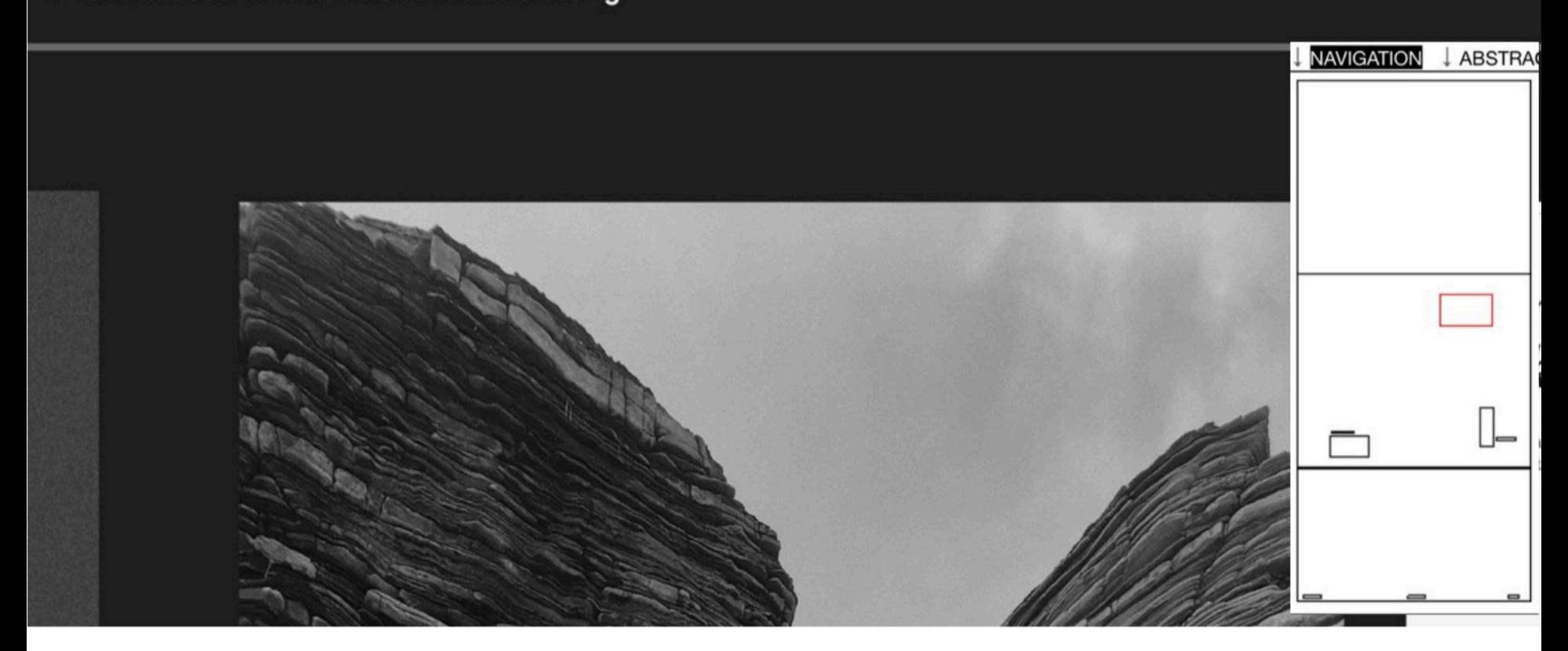


Fig. 2—From the exposition [RE] MAPPING OF BEING - LANDSCAPE/CAVESCAPE/HUMANSCAPE The historical events by their coordinates in time and space. Below: their coordinates in the exposition (research catalogue). This way of referencing expositions reminds the use of title-locks in architectural plans/drawings.

numbers:

Everything was burnt and destroyed: 328 residential houses

268 barns

13 fish farms

10 community centres

10 shops

5 schools

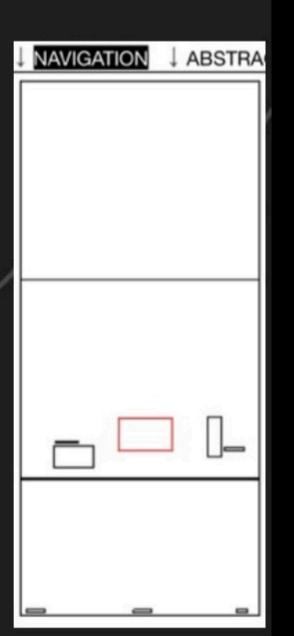
3 offices

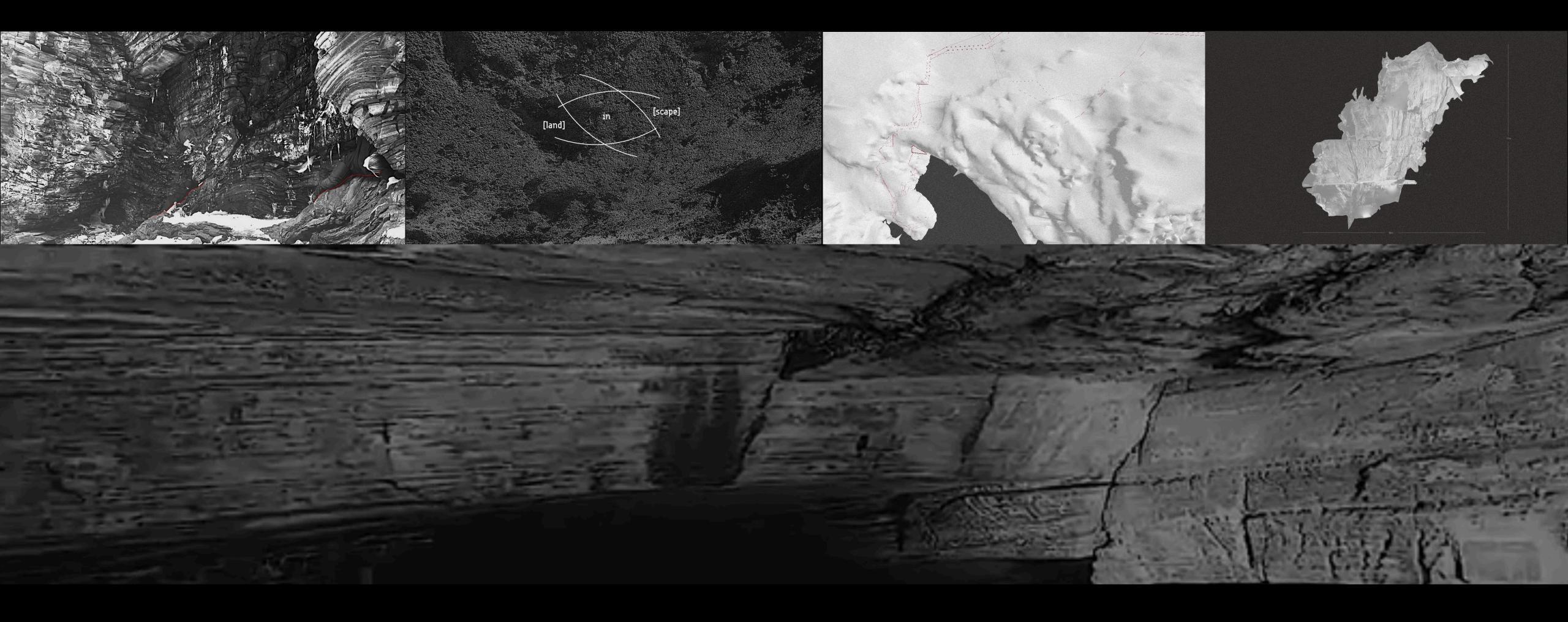
2 boarding schools

1 church

1 accommodation

1 public administration





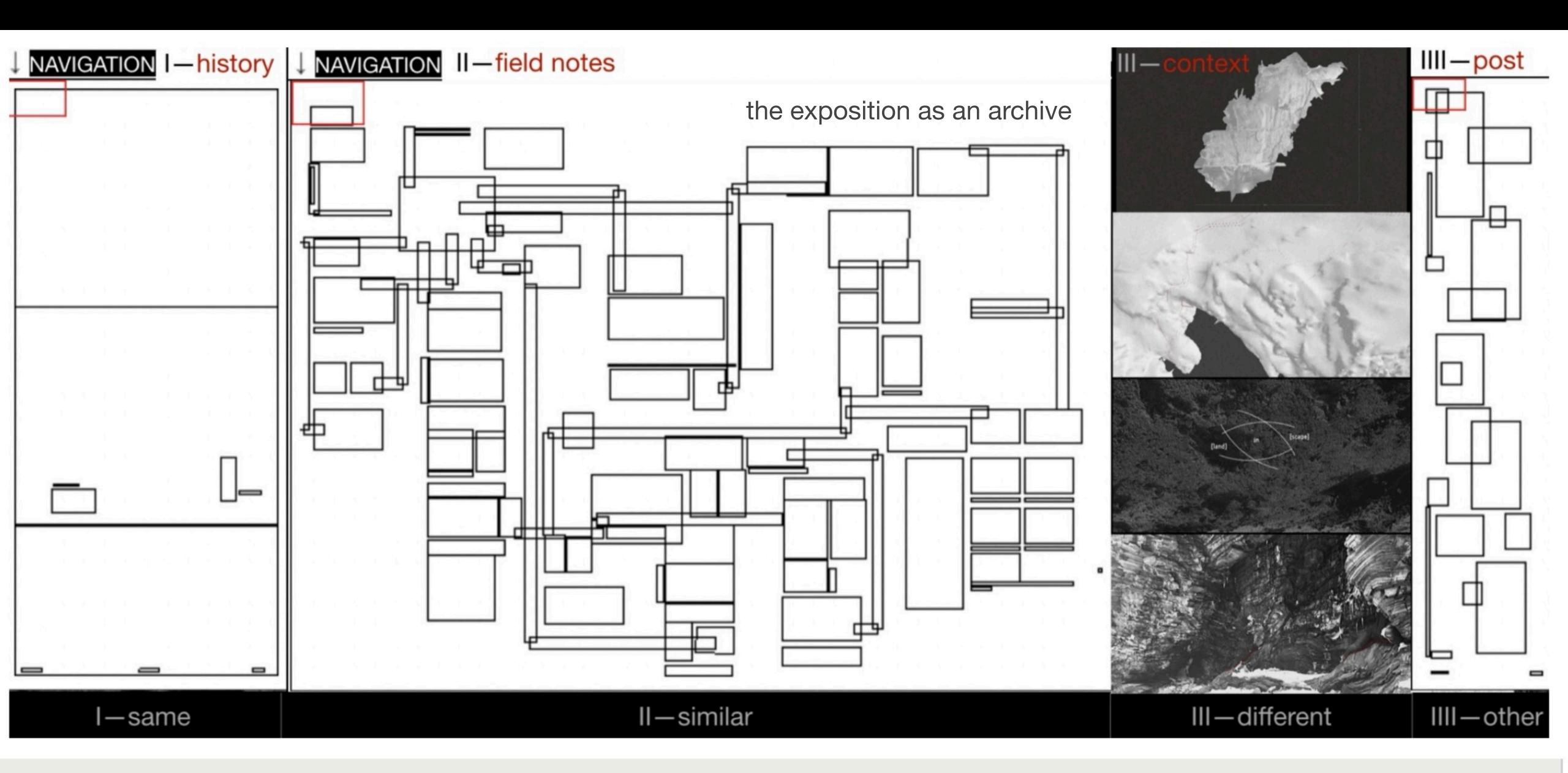


Fig. 1—The diagram above features 4 (out of 6) navigation atlases in an exposition of the Dunkedunk research project. They are juxtaposed for comparison. They are juxtaposed for comparison. 3 of the main views in the exposition feature the dropdown atlases above, one has no dropdown atlas, and the navigation is assisted by photos. Red square: cursor.

1/1 chant Den evige lengsel dag etter dag dag etter dag

dag etter dag dag etter dag

dag etter dag dag etter dag

dag etter dag dag etter dag

dag etter dag dag etter dag

dag etter dag dag etter dag

dag etter dag dag etter dag

dag etter dag dag etter dag

1/2 chant Den evige lengsel dag etter dag etter dag dag etter dag etter dag

NAVIGATION ↓ ABSTRACT ↓ Nina Tsy, Nataliia Korotkova (IIAKO) - [Re] Maj -field-notes

1/3 chant Den evige lengsel dag etter dag dag etter dag

dag etter dag etter dag dag etter dag etter dag dag etter dag etter dag dag etter dag etter dag dag etter dag etter dag dag etter dag etter dag dag etter dag etter dag dag etter dag etter dag dag etter dag etter dag dag etter dag etter dag dag etter dag etter dag

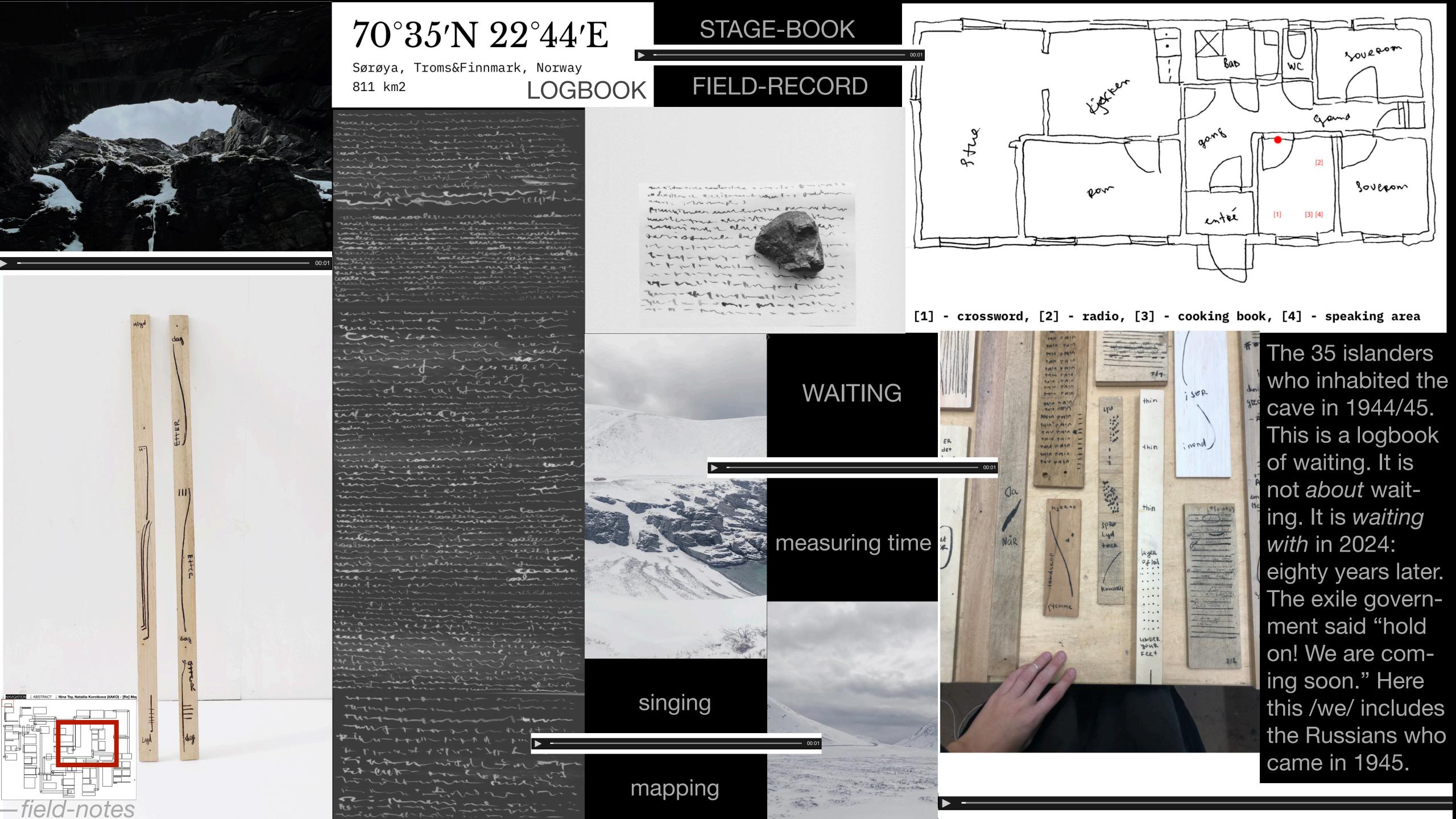
Den evige lengsel

dag etter dag etter dag

dag etter dag etter dag

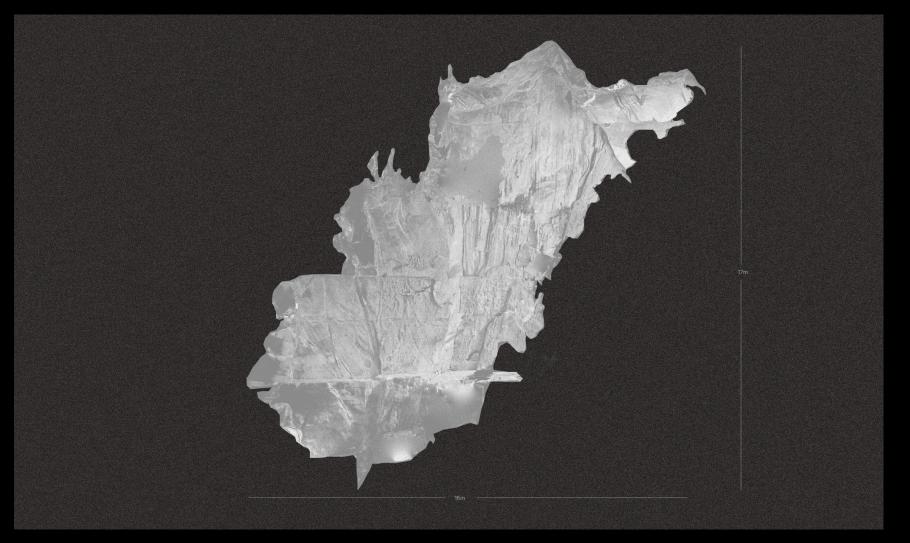
er d er d

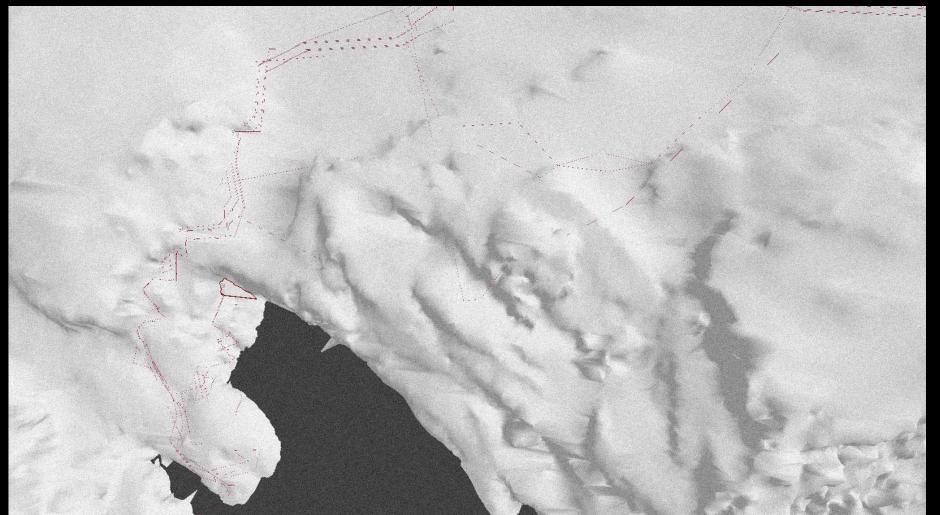
1/4 chant



Sørøya, Troms&Finnmark, Norway 811 km2

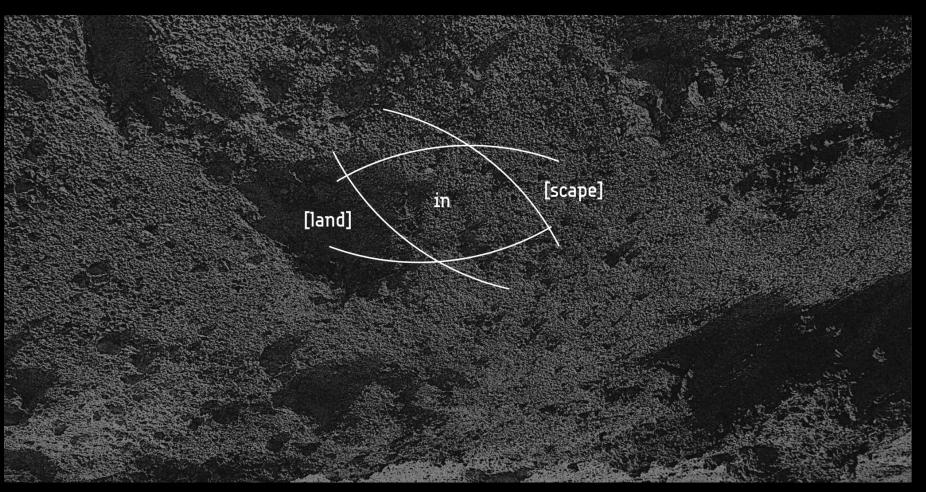
same





similar

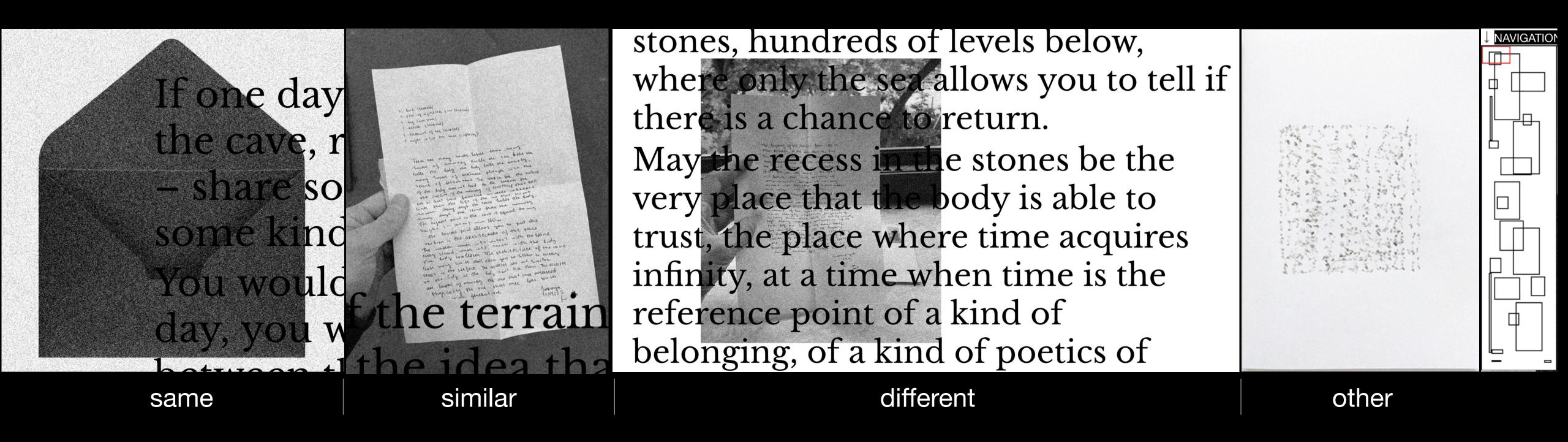






other





If you would like to receive a letter by stone writing from our next expedition - send your Post Address to us via Gmail: hulelaere.gruppe@gmail.com







OTHER

DIFFERENT

SIMILAR

SAME

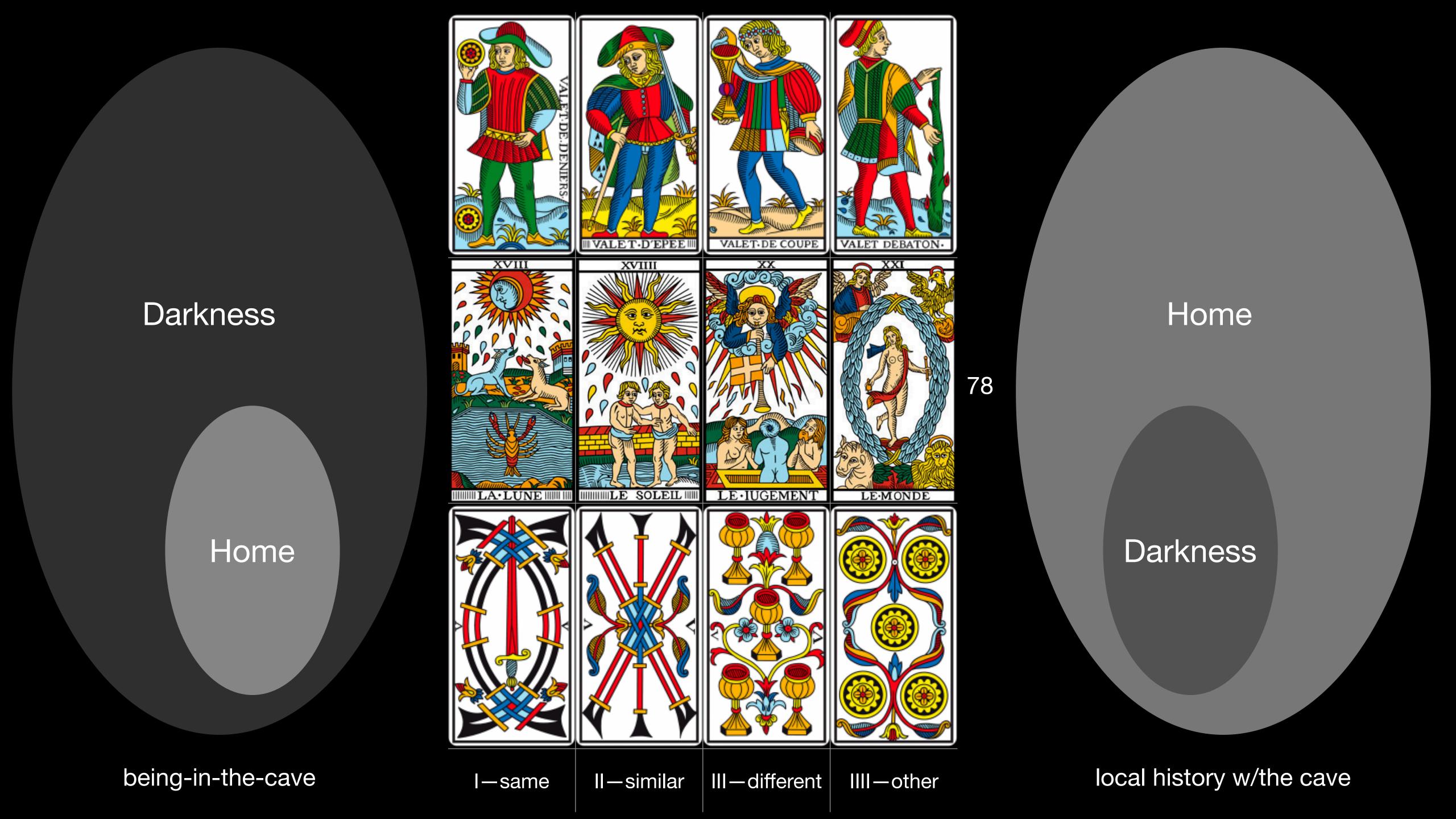




Fig. 1—The Dunke-dunk research project derives its name from the sound of traditional Norwegian fishing-boats (two-stroke slow-speed crosshead diesel), featuring Nataliia Korotkova and Nina Tsy/bolskaia in the exposition [RE] MAPPING OF BEING - LANDSCAPE/CAVESCAPE/HUMANSCAPE. Photo: Gunnar Wasmuth (Al enhanced)