

*Per-Forming Clouds Workshop*

*with Clemens Winkler*

*04.-05.01.2018*

*at Textil- und Flächen-Design, Weissensee Kunsthochschule Berlin*



1. **BRAUNALGEN** (JUN) **MATERIAL, DAS IN VERPACKUNGSINDUSTRIE IST...**

ÖKOLOGIE / NATUR / WASSER / (LEBENSWESEN)  
 (TECHNOLOGIE-VERBUNDENHEIT)

KULTUR: ALGINAT (ESSENZ / WEIßKÄSE) / WEIßKÄSE

SKALIERUNG



ZEIT: 1-2 JAHRE LEBENSDAUER  
 WENIG FEUCHT

ERSATZ FÜR KUNSTSTOFFE (VERPACKUNG, LEBERERHÄUTE, AUS ALGINAT)

VERPACKEN (LEBENSMITTEL / BEHEIMATUNG) MIT WÄRMEDÄMMENDE BEHEIMATUNG 5 JAHRE

WASSERSTAUER  
 WÄRMETAUSCHER

ZEIT: 1-2 JAHRE → VERPACKUNG VON LEBENSWESEN

**BIRKENRINDE**

ÖKOLOGIE: SCHNITZFORMEN (NACH DEM BEWERTEN) (NACH DEM BEWERTEN)

KULTUR: BIEREN, BEWESEN, (SCHNITZEN, ALGINKREIS, ALGINKREIS, ALGINKREIS) (NACH DEM BEWERTEN) (NACH DEM BEWERTEN)

ZEIT: ANPASSUNG VON QUALITÄT

BRÄUWERK (IM HAUSE) (NACH DEM BEWERTEN)

LEBENSWESEN (NACH DEM BEWERTEN)

VERPACKUNG (NACH DEM BEWERTEN)

**ERLEBISSEN**

LEBENSWESEN (NACH DEM BEWERTEN)

LEBENSWESEN (NACH DEM BEWERTEN)

LEBENSWESEN (NACH DEM BEWERTEN)

ZEIT: LEBENSWESEN (NACH DEM BEWERTEN)

LEBENSWESEN (NACH DEM BEWERTEN)

ZEIT: RESULTAT (NACH DEM BEWERTEN)

LEBENSWESEN (NACH DEM BEWERTEN)



## *Brief:*

*Our need to address material events into larger contexts, might it be technological or social, is growing in order to create an awareness of such and find ways of dealing within.*

*This workshop aims at material experimentation on natural phenomena as a design practice and gives you methodologically a perspective on practice-based reasoning in complex frameworks.*

*We will mainly be working with different qualities of water vapour, such as its condensation behaviour and its ability to carry flavour or propagate sound. We will use anything and everything at our disposal, as long as it's not our computer.*

## *Exercise 1 – Water:*

*First of all, we are taking a phenomenological approach on evaporating, pouring and freezing water to observe its qualities differently – boiling and condensation, dropping sounds, windy noise amongst others. Therefore three metal sheets will be installed, one at  $>200^{\circ}\text{C}$ ,  $25^{\circ}\text{C}$ ,  $<-30^{\circ}\text{C}$  as reaction platforms for water droplets. Additionally, a diagram will help us to classify our results.*

*Water – What do we see?*

*We will observe the material qualitatively (describing its qualities through our senses) and measure it quantitatively (thermostat,..). This results in decision-making processes on further tools and materials to design with, such as hammering, carving frozen water or trying to catch water mist in a bag)*

*Water – What do we think of?*

*We can think of different contexts on different time and spatial scales (microscale, human scale, social scale, ecological scale)*

## *Exercise 2:*

*Furthermore, we are investigating in water with heating systems inside hermetic containers. While diving into the four different scales, we have discussed, water vapor becomes a coating agent on receptive micro-surface structures, a carrier for various flavors in a culinary event, a framework for social interactions or simulator for weather forecasting.*

*The generated gaseous material imposes its own rules while being designed to study supposedly well-known processes through heating up, cooling down, waiting, heating again and so on. Therefore, observe patiently the interactions of water and the environment already happening without your interventions.*

*You can work in groups.*

*Also, add additional materials if needed to create an atmosphere on the scale of your choice. Take pictures and videos of the highly ephemeral moments and try to write on the protocol sheets, what you have used. The given tools should be seen as a proposal and so you are invited to tweak it!*

*On Micro Scale*







IKAT

PERFORMATIVE  
CHARAKTERISTIC

ALGEN

LUFT TROCKEN

GLYCERIN - H<sub>2</sub>O -  
ABLAUF

SCHIMMEL

MATERIAL → VERBREMUNG  
SCHLEIM, REZE

SABA PAPIER

VERKÜRZTE  
SCHNECKEN-Form

SCHLEIM (POLY)





"The Kofffliesler, which lives in dark ocean depths, has a series of glands, by means of which he responds and reacts to its environment. One of them is called the diverticulum, a sack which serves to fuel septa into its surroundings, and then escape into its shadow. This "cloud floating in the water" serves not only the misloading of enzymes. One has observed that species related to the Vampirovicia "modulated a septa cloud with their tentacles to copy their own body outlines", whereby the parasiticide should keep the cloud for the body of the octopus, which gives him the time to escape."

(Flusser, Vampirovicia Infernalis, 1993)

Laboratory for Narrative Materials

PER FORMING CLOUDS



Additional color: .....

Methods/ Recipes: ... KUGEL ...

Atmospherical Qualities: ... fencel ...



Experiment No.: 2

Scale: On the Surface

Additional Tools/ Ingredients: (like moisturizers, absorbent paper, color pigments) ...

Methods/ Recipes: ...

Laboratory for Narrative Materials

PER FORMING CLOUDS



Diagram describing different flow of quality through connectors (1) and (4) and their cycle can be restituted, dry, colored.



Experiment No.: .....

Scale: ... On the Surface ...

Additional Tools/ Ingredients: (like moisturizers, absorbent paper, color pigments) .....

Methods/ Recipes: .....

Atmospherical Qualities: .....

Wunderkammer for Arising Matter

Practice-led Laboratory for Curious Material's

PER FORMING CLOUDS



Scale: ... On the Surface ...

Additional Tools/ Ingredients: (like moisturizers, absorbent paper, color pigments) ...

Methods/ Recipes: VENEER & ELASTIC TEXT, SILICONE, AFTERWARDS, GLUE ON VENEER ON IT, STEERING IT

Atmospherical Qualities: MOVEMENT AFTER DEVELOPE

*On Human Scale*







Lab 2: Safety Manual  
Lab 2: Safety Manual  
Lab 2: Safety Manual







*On Social Scale*















Emu



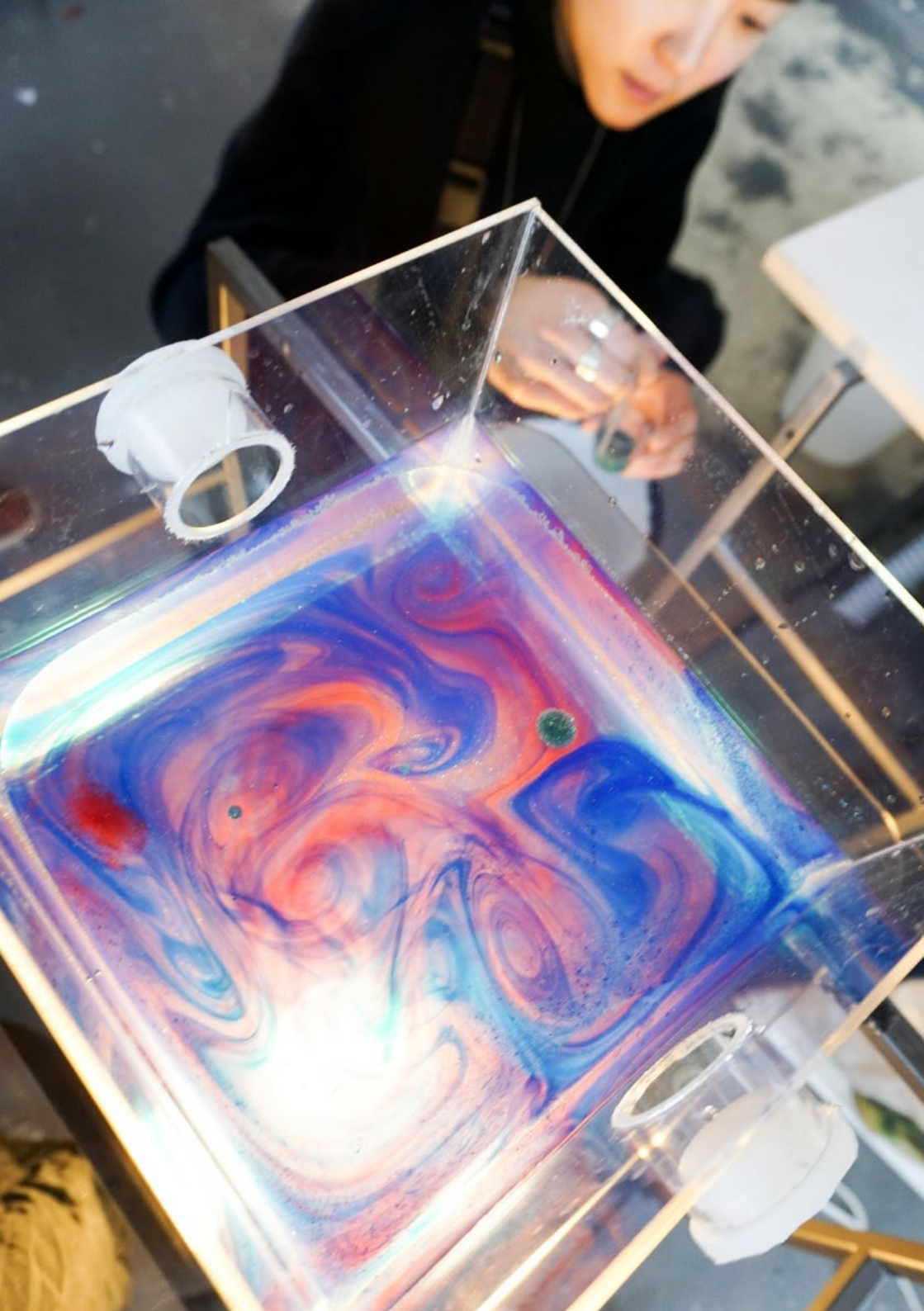


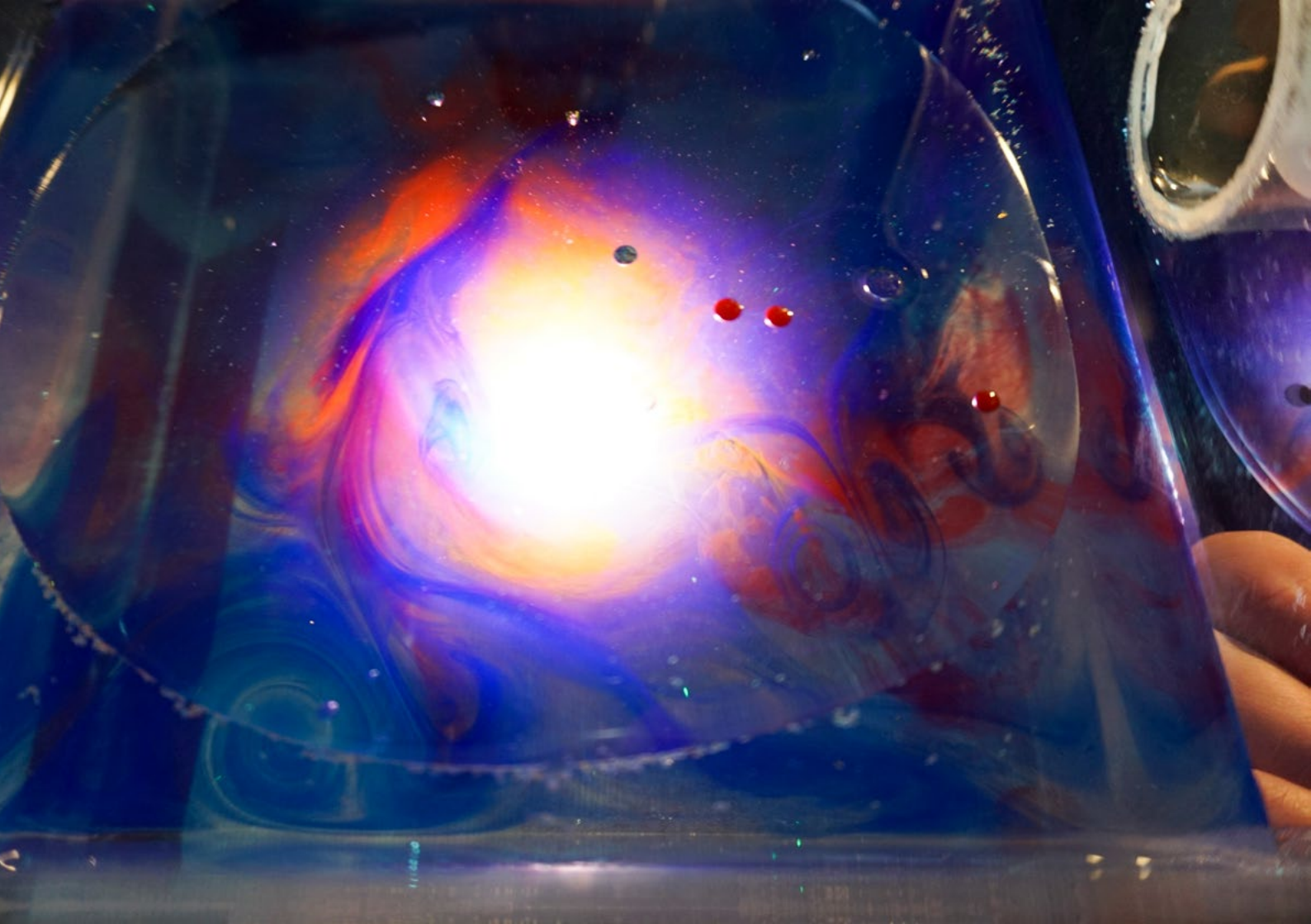
*On Ecological Scale*













*Protocol Sheets*

*On Micro Scale*

# Laboratory for Narrative Materials

## PER-FORMING CLOUDS



Experiment No.: ... 2 .....

Scale: .... *On the Surface* .....

Additional Tools/ Ingredients: (*like moisturizers, absorbent paper, color pigments*) .... *Braunwalge* .....

Methods/ Recipes: .... *Wasserdampf* .....

Atmospherical Qualities: .... *geschmeidig machen / flexibilisieren, glibschig, Volumen vergrößernd* .....

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## PER-FORMING CLOUDS



Experiment No.: ... 1 .....

Scale: .... On the Surface .....

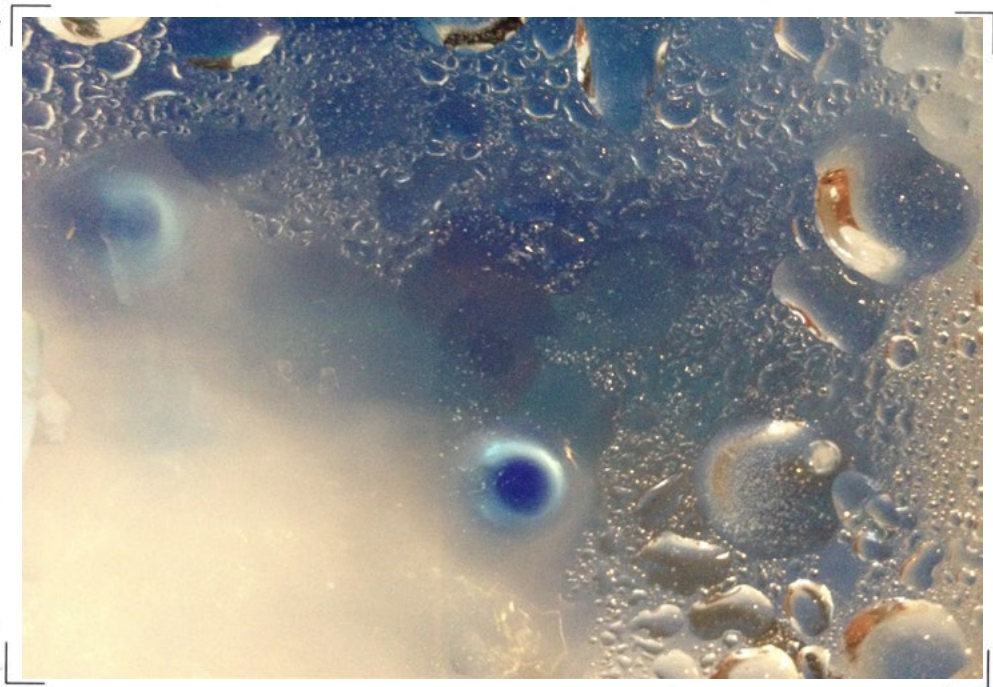
Additional Tools/ Ingredients: (like moisturizers, absorbent paper, color pigments) .... Birkenrinde .....

Methods/ Recipes: .... Wasserdampf (kalt) → keine  
Veränderung .... (warm/hieß) Rinde verformt sich .....

Atmospherical Qualities: ... flexibel machen, verformen .....

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## PER-FORMING CLOUDS



Experiment No.: 3 .....

Scale: .... On the Surface .....

Additional Tools/ Ingredients: (like moisturizers, absorbent paper, color pigments) .. Farbpigment blau; Wasserdeuff

Methods/ Recipes: .. Erhitzen des Wassers .....

Atmospherical Qualities: tropfenförmiger Rückstau auf .. Plastikbehälter .....

*On Human Scale*



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## PER-FORMING CLOUDS



Experiment No.: 2 .....

Scale: .... *On Human Scale* .....

Additional Tools/ Ingredients: (*like moisturizers, spritts, vegetables*) wasser .....

Methods/ Recipes: wasser, curry, knoblauch, swiebeln .....

Atmospherical Qualities: Food experience, curry air, ~~not~~ smell and taste / bitter Mandel .....

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## PER-FORMING CLOUDS



Experiment No. ... Wein Neben .....

Scale: .. 2 .. On Human Scale Senses .....

Additional Tools/ Ingredients: (like moisturizers, spritis, vegetables) .. Wein .. und .. Wasser .....

Methods/ Recipes: .. brot .. fenchel .. citrone .. heidelbeeren ..  
.. pitzen .....

Atmospherical Qualities: .. dicker .....

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## PER-FORMING CLOUDS



Experiment No.: ... WASSER NEBEL .....

Scale: ..2.. On Human Scale .....

Additional Tools/ Ingredients: (like moisturizers, spritis, vegetables) ..WASSER, BITTERMANDL OEL .....

Methods/ Recipes: .....

Atmospherical Qualities: ..therapeutisch, ..smell./duft /aromatisch .....

*On Social Scale*

# Laboratory for Narrative Materials

## PER-FORMING CLOUDS



Experiment No.: 3 .....

Scale: .... On the Social Scale .....

Additional Tools/ Ingredients: (like air pump, soap, e-cigarette). plastic sheet .. ~~plastic soap~~ + air pump, soap, diffuser, pipe tube

Methods/ Recipes: Bubbles and steam contained inside the box (with help of a plastic sheet.); hole in the plastic; ~~temperature~~

Atmospherical Qualities: The bubbles are hard to contain they find an exit way, they push to go out and force their barriers .....



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## PER-FORMING CLOUDS



Experiment No.: 2,0 .....

Scale: .... On the Social Scale .....

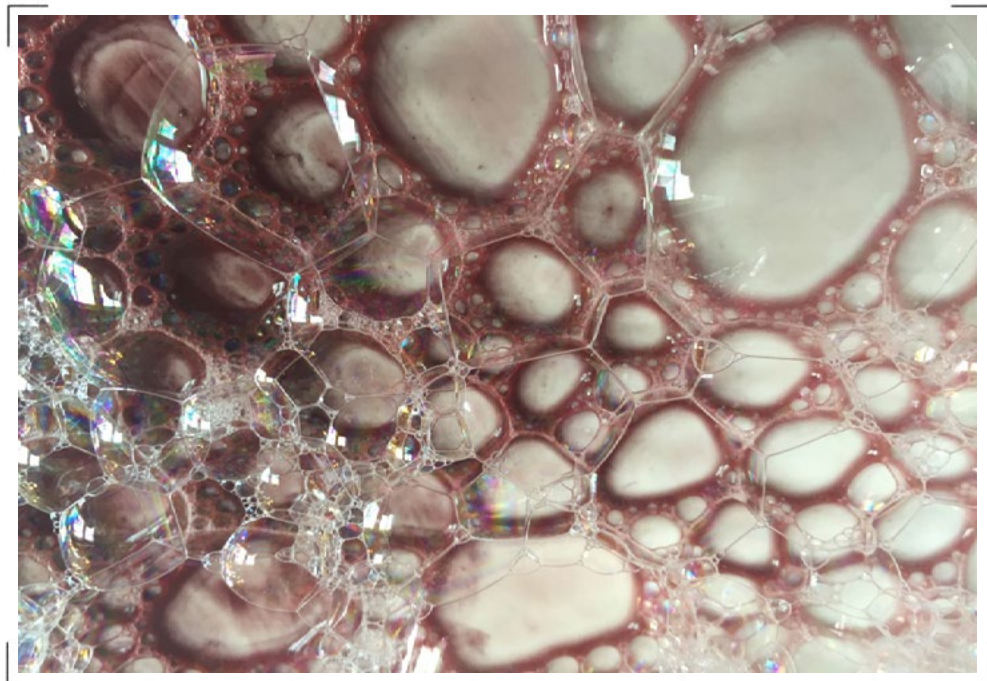
Additional Tools/ Ingredients: (like air pump, soap, e-cigarette). plastic sheeting, eisenoxide pigment, tubes  
2 plastic cups, tape, spüli

Methods/ Recipes: Bk. bubbles in box with plastic, the pigment should be in bubbles .....

Atmospherical Qualities: living qualities like a lung  
- breath gives it a living quality - reacts to our body  
pigments looks like vons collecting on surface .....

# Laboratory for Narrative Materials

## PER-FORMING CLOUDS



Experiment No.: ... 2.2 .....

Scale: .... On the Social Scale .....

Additional Tools/ Ingredients: (like air pump, soap, e-cigarette) spili, water, eisenoxide pigment, tube .....

Methods/ Recipes: blow bubbles with all ingredients & ..... and pick up big pile of bubbles & place on surface .....

Atmospherical Qualities: The pigments creates lots of ..... lots of little boundaries .....



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## PER-FORMING CLOUDS



Experiment No.: 7 .....

Scale: .... On the Social Scale .....

Additional Tools/ Ingredients: (like air pump, soap, e-cigarette). hand + pigment + foam .....

Methods/ Recipes: moving the coloured bubbles on the paper .....

Atmospherical Qualities: interaction with the body the pigment is transported into the hand .....

# Laboratory for Narrative Materials

## PER-FORMING CLOUDS



Experiment No.: 7

Scale: .... On the Social Scale .....

Additional Tools/ Ingredients: (like air pump, soap, e-cigarette). diffuser, tube, spili, hand, ~~water~~

Methods/ Recipes: Blow up as many bubbles as possible divide w/ Hand, diffuser

Atmospherical Qualities: Hand divides bubbles & releases gas/water steam, bubble fly away from my touch and in turn release a gas

# Laboratory for Narrative Materials

## PER-FORMING CLOUDS



Experiment No... 4 .....

Scale: .... On the Social Scale .....

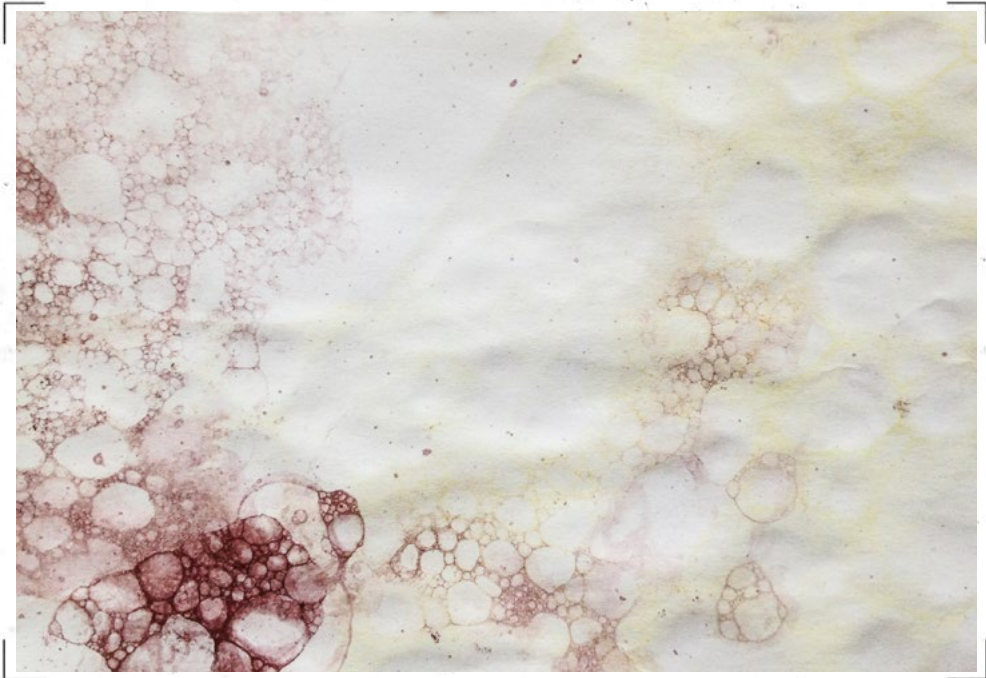
Additional Tools/ Ingredients: (like air pump, soap, e-cigarette). Sound recorder. + air pump, soap, diffuser, pipe tube

Methods/ Recipes: Record of different sounds coming from blowing bubbles .....

Atmospherical Qualities: The sound transports different atmospheres, different feelings: from calm to anxiety (stress) inducing sound .....

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## PER-FORMING CLOUDS



Experiment No.: .....

*Social Scale*

Scale: .... On the Ecological Scale .....

Additional Tools/ Ingredients: (salt, water, food coloring, pipettes). *metal mesh, pigment, paper, spili, tube* .....

Methods/ Recipes: *Blow bubbles with different pigments* .....

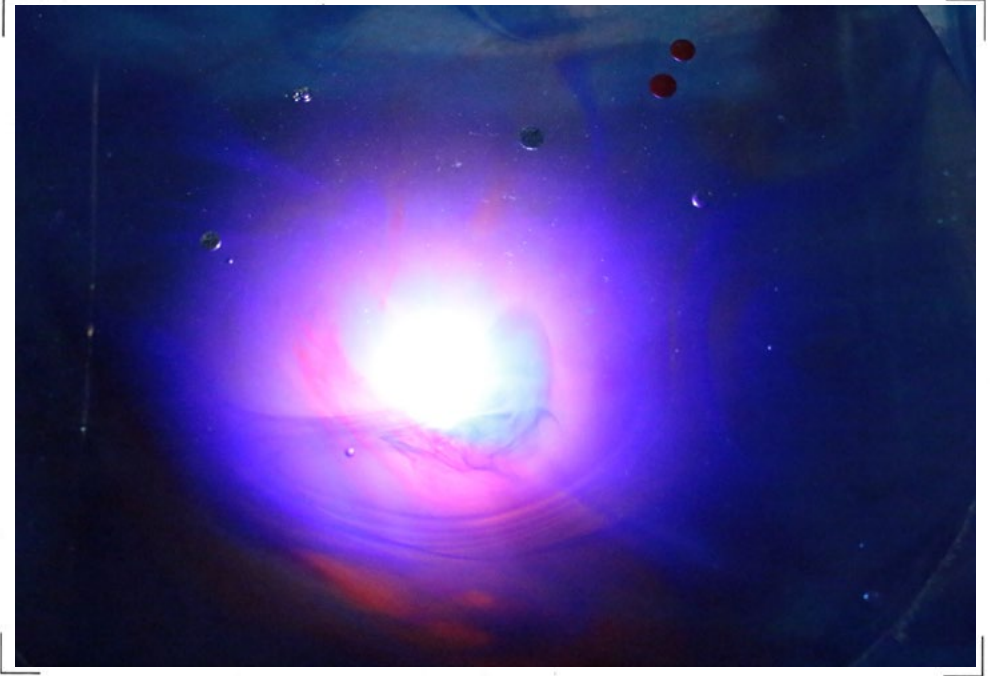
Atmospherical Qualities: *Depth, organiz. VS regular pattern from metal mesh,* .....

*On Ecological Scale*



# Laboratory for Narrative Materials

## PER-FORMING CLOUDS



Experiment No.: 2 .....

Scale: .... *On the Ecological Scale* .....

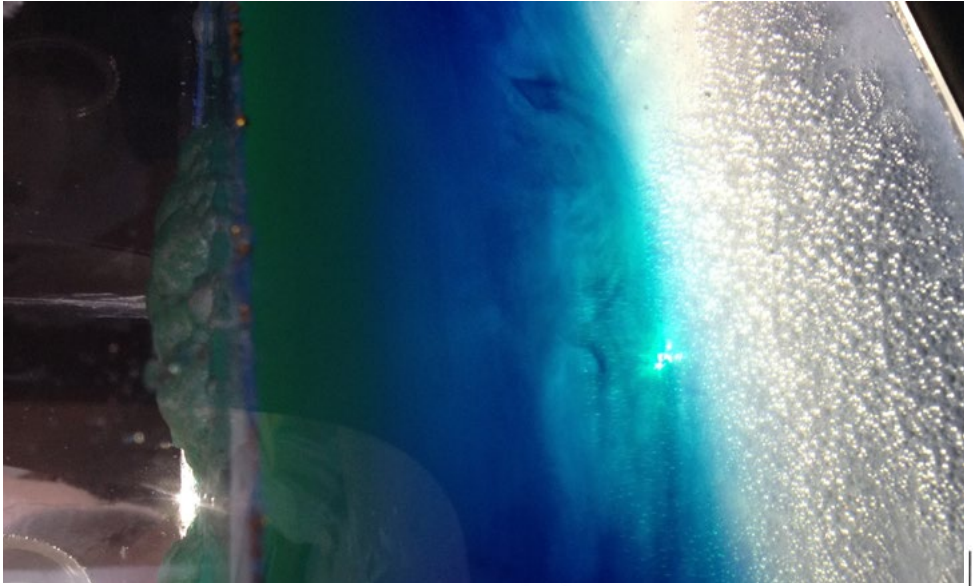
Additional Tools/ Ingredients: (salt, water, food coloring/ pigment, pipettes) ..... + Öl + Glitzerpulver .....

Methods/ Recipes: Öl in Süßwasser, dann Wasser mit Pigment blau in Süßwasser, dann Wasser rot in Salzwasser + Glitzer

Atmospherical Qualities: Universum, Licht als Sonne, Ölblasen als Planeten .....

# Laboratory for Narrative Materials

## PER-FORMING CLOUDS



Experiment No.: 1.....

Scale: .... *On the Ecological Scale* .....

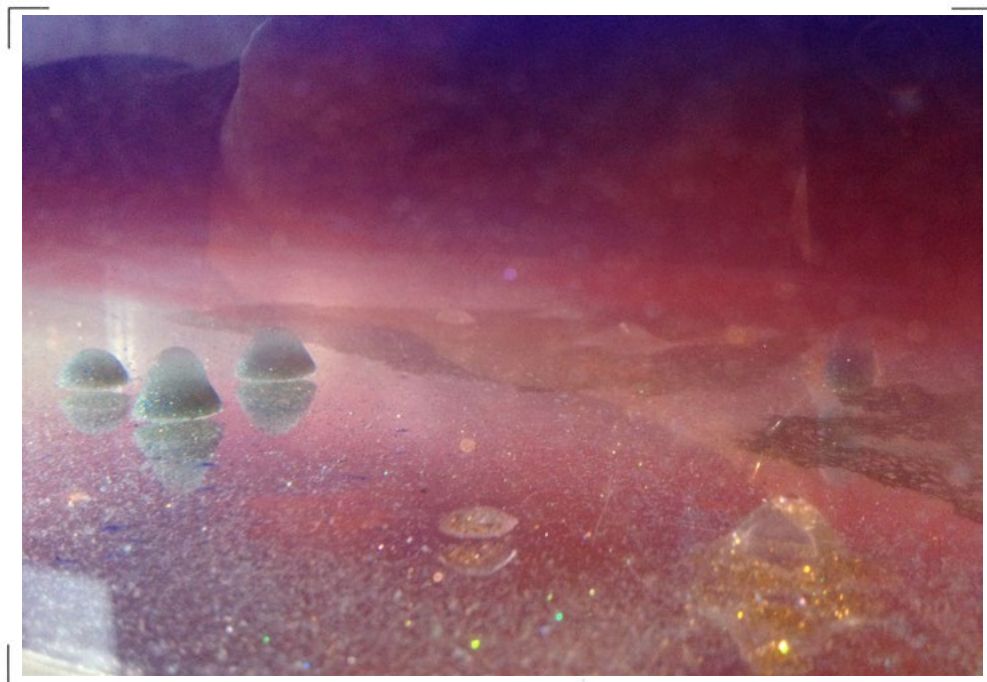
Additional Tools/ Ingredients: (salt, water, food coloring, pipettes). GLAZE Pulver, RAUSETABLETTEN.....

Methods/ Recipes: auf süßwasser  
mit salzwasser mit Farbspiel, Vitamin C-  
Pulver reingestrenelt, Blasen am Boden und oben..

Atmospherical Qualities: Ozeane in der MILCHSTRAßE.  
STILFTIGES WASSERMEOS......

# Laboratory for Narrative Materials

## PER-FORMING CLOUDS



Experiment No.: 2,2

Scale: .... On the Ecological Scale .....

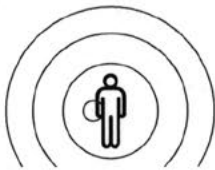
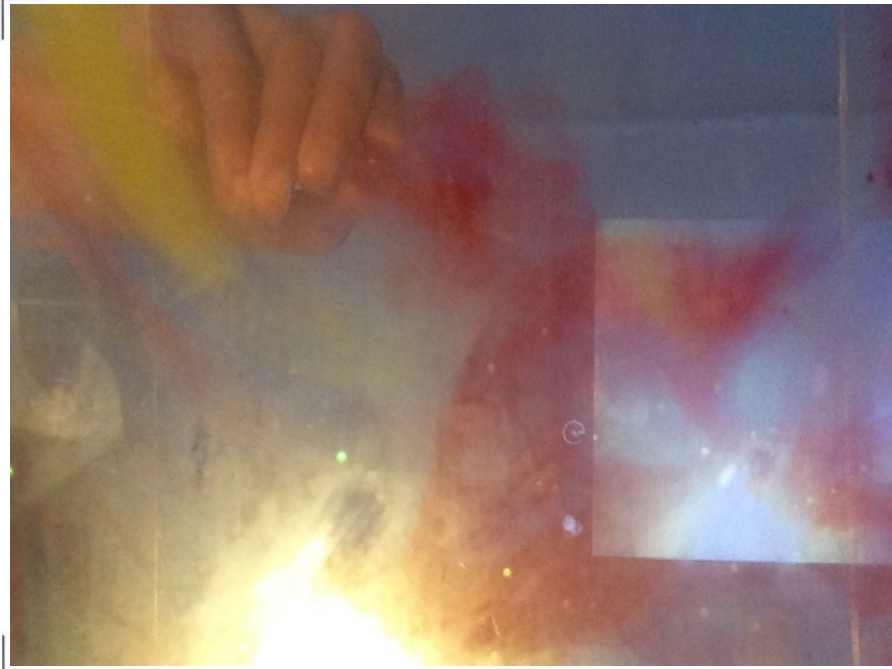
Additional Tools/ Ingredients: (salt, water, food coloring, pipettes) / Öl + Glitzerpulver / pigment

Methods/ Recipes: Öl + Glitzer mit Pipette in unterste Schicht explosionsartig gespritzt

Atmospherical Qualities: Marslandschaft mit Glitzerbergen / GLITZER HASSEL IN ZEITLUPE

# Laboratory for Narrative Materials

## PER-FORMING CLOUDS



Experiment No.: ... 4 .....

Scale: .... On <sup>Ecological</sup> Human Scale .....

Additional Tools/ Ingredients: (like moisturizers, spritts, vegetables) Pigment R.G.B .....

Methods/ Recipes: Pigmente vermischt  
→ Grün wahren; FINGRIFF  
Foto → Spiegelbild .....

Atmospherical Qualities: ... Grenzen verschmieren, ökolog.  
Fußabdrücke d. Menschen .....



# Laboratory for Narrative Materials

## PER-FORMING CLOUDS



Experiment No.: ... 2 .....

Scale: .... On the Social Scale .....

Additional Tools/ Ingredients: (like air pump, soap, e-cigarette). Pigment, Lebensmittelfarbe in Wasser gelöst, Öl,

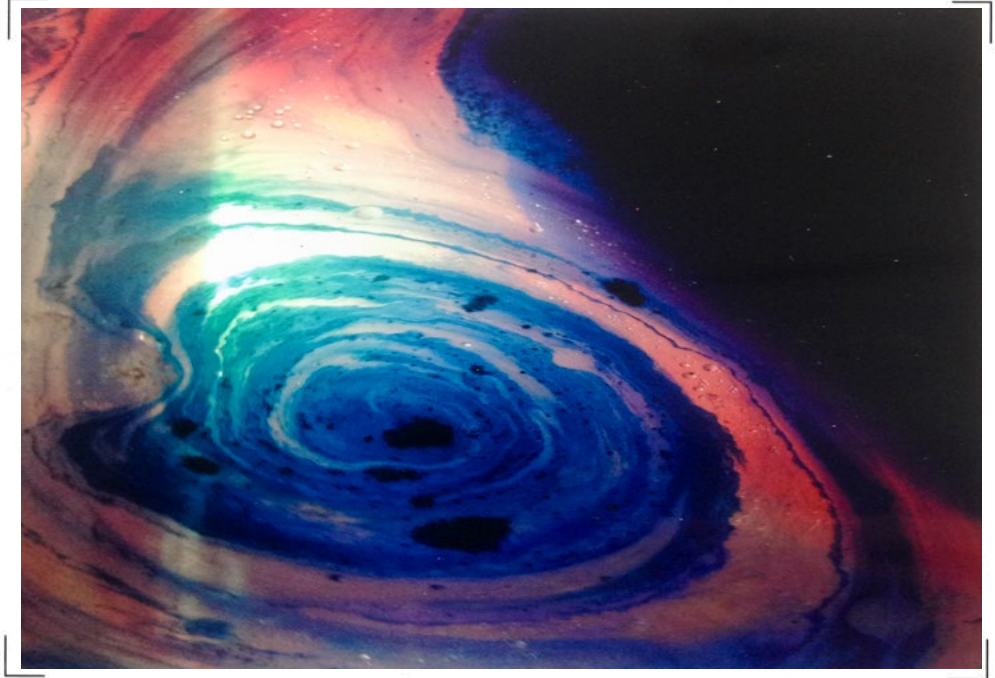
Methods/ Recipes: .....

Atmospherical Qualities: fadenförmig, von oben nach unten fallen und sich auf Boden setzen



# Laboratory for Narrative Materials

## PER-FORMING CLOUDS



Experiment No.: 5

Scale: .... Ecological Scale  
On the ~~Surface~~

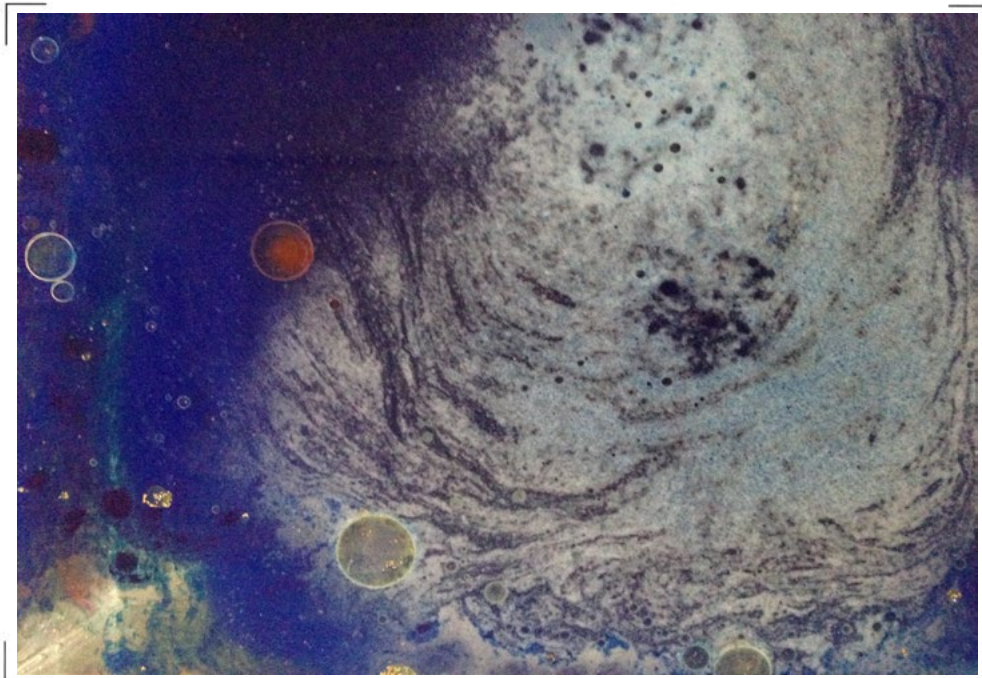
Additional Tools/ Ingredients: (like moisturizers, absorbent paper, color pigments) Pigment, Spiritus, Öl

Methods/ Recipes: Pigment aus Abstand kappen

Atmospherical Qualities: Zirkulation

# Laboratory for Narrative Materials

## PER-FORMING CLOUDS



Experiment No.: 3 .....

Scale: .... On Ecological ~~Human~~ Scale .....

Additional Tools/ Ingredients: (like moisturizers, spritits, vegetables) Pigment, Spül-, Öl .....

Methods/ Recipes: Pigment mit Pipette in Ölbase  
gerührt .....

Atmospherical Qualities: Galaxie .....

