WINNING HABITATS - 23. MAI 2024

CLASS: MONITORING: MAINTAINANCE OF PUDDLE AND RIVER. EXPERIMENTS WITH BENTONIT/SAND/SOIL MIXTURE MONITORING BY MICROBIOLOGY, MICROSCOPY CHEMICAL ANALYSIS : PH VALUE, TEMPERATURE, NITRATE CONTENT, TURBIDITY MEASUREMENTS …

STATE OF ART MAI 2024

PUDDLE AND RIVER

BIOTOPE, BIODIVERSITY

MIGA´S IDEA: EXPERIMENTING WITH A FURTHER PUDDLE

EXPERIMENTS WITH BENTONIT/SAND/SOIL MIXTURE

EXPERIMENTAL SETUP. BUCKETS, FABRIC, CLAY/SAND/BENTONITE RATIOS, DEFINITION OF WATER FLOW, QUANTIFICATION

Microbiology/

- Estimating Bacterial Count: Samples, Dilution, Plating
- Estimating Biodiversity of Mikroorganismen: Observation
- Bacteria, Cyanobacteria, Fungus/Mold/Yeast, Microalgae…
- Mud from the Pond: Microscopy, Visualization
- Winocradsky Set ups (Funda,

Sergei Nikolajewitsch Winogradski
*1856 in Kiew, t 1953, France

- Plant Physiologist, Microbiologist, Ecologist
- https://en.wikipedia.org/wiki/Sergei_Winogradsky
- Designing Setups to make chemical processes visible in Columns of Glass
- Making: https://www.microbiomesupport.eu/wp-content/uploads/2022/05/Winogradaky_final.pdf

PROJEKT

COLLABORATIVE CLASS PROJECT: BILLBOARDS OF WETLAND DESIGN
BILLBOARDS PROMOTING WETLAND DESIGN

DATUM **JUNE 2024**

CLIENT **SUMMAERY PROJECT**

Wetland Ecosystem Services Workshop

Bauhaus-Universität Weimar
April 25-27, 2024

Establishment, management, and monitoring

Workshop description: Wetlands are rich and diverse landscapes in the water-land interphase. They provide many ecosystem services to people as well as habitats to flora and fauna. Created wetland is a term used for newly built wetlands which are designed to provide both multiple ecosystem services and habitats supporting high biodiversity. We will study the theory behind and learn the design process of created wetlands. To enrich the learning experience, and to support the planet one wetland at a time, we will design and hands-on implement a small new created wetland as a piece of living environmental art.

Outi Wahlroos
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BILLBOARD - INFORMATION BOARD - BARCODE ?

ECONOMY OF ATTENTION, DESIGN, INPACT ON ENVIRONMENT, VISUAL POLLUTION, SUSTAINABILITY

Wetland Ecosystem Services Workshop

Wetland Ecosystem Services Workshop

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Winning Habitats

The plants planted in the Student Garden pond were:
Alisma plantago-aquatica, Gewöhnlicher Froschlöffel**
Caltha palustris, Sumpfdotterblume*
Lobelia cardinalis, Kardinal-Lobelie*
Lythrum salicaria, Gewöhnlicher Blutweiderich*
Mentha aquatica, Wasserminze*
Mysotis palustris, Sumpf-Vergissmeinnicht*
Scirpus cernuus, Frauenhaargras***
Water depth range:
*0-15 cm
**0-40 cm
***0-100 cm

All the plants do well in wet meadow conditions, which occur in stormwater ponds during less rainy seasons. The light small rock layer on top of the soil is meant to help the soil layer stay moist during dry seasons. Since the wetland is small and the watershed is small - and water does not necessarily go to the wetland from the roof when it rains - one has to take care of the wetland and water when the weather is hot and dry. (Big wetlands with big watersheds are carefree in this aspect, we did not have a choice of a self-sustaining site).

https://www.uni-weimar.de/kunst-und-gestaltung/wiki/GMU:Winning_natural_habitats

- https://www.uni-weimar.de/kunst-und-gestaltung/wiki/Natalia_Gay_Pintado
- https://www.uni-weimar.de/kunst-und-gestaltung/wiki/JAn_Munske
- https://www.uni-weimar.de/kunst-und-gestaltung/wiki/GMU:Winning_natural_habitats/Martha_Steinmetz
- https://www.uni-weimar.de/kunst-und-gestaltung/wiki/GMU:Winning_natural_habitats/Albina_Akhmedova

Moss - Artistic/Research

- https://www.temporarygallery.org/symposium-on-mosses-and-lichens/
- https://www.youtube.com/watch?app=desktop&v=cNmsrzZ0ijI
- https://zacheta.art.pl/en/mediateka-i-publikacje/z-urszula-zajaczkowska-rozmawia-joanna-rajkowska
- https://www.researchgate.net/profile/Urszula-Zajaczkowska-2
- https://www.researchgate.net/publication/311752952_On_the_benefits_of_living_in_clumps_A_case_study_on_Polytrichastrum_formosum
- https://en.wikipedia.org/wiki/Polytrichastrum_formosum
- https://www.alamy.de/fotos-bilder/polytrichummoose.html?sortBy=relevant
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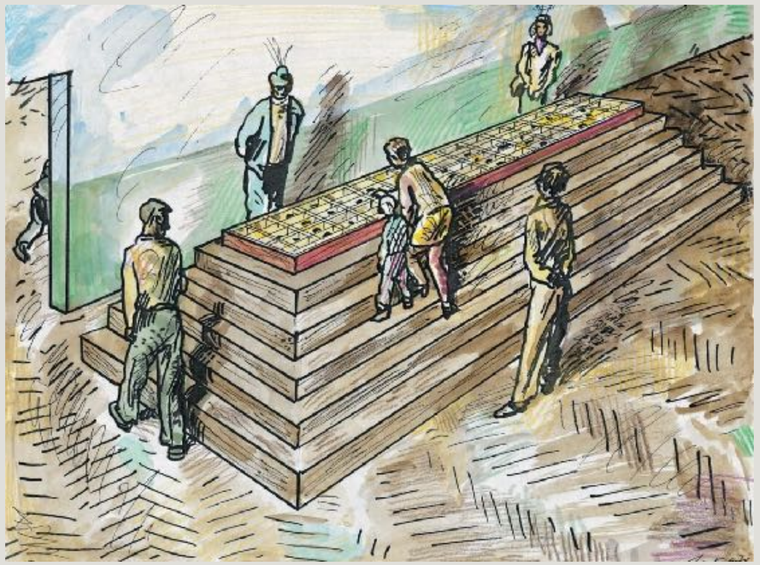
Microalgae, their role in ecosystems and human impact on it

- Observation/Recording/Movie/Screening
- Experimental Setups
- Laboratory Conditions vs. Natural Environment
- Reduction vs. Complexity
- https://www.uni-weimar.de/kunst-und-gestaltung/wiki/GMU:Winning_natural_habitats/Albina_Akhmedova

Ilya&Emilia Kabakov: MEMORIAL TO USELESS THINGS 1989

A wooden ‘mausoleum’ is built in the center of the hall, and if you ascend it up the stairs, you discover on top a unique sarcophagus, a long, flat crate. In each compartment of this crate some kind of ‘useless thing’ is preserved: an old glove, an empty matchbox, a worn shoe, etc. Each of the things is accompanied by a text resembling a brief epigraph. All of this together is a unique memorial to things that at one time were useful, but that has grown old. This memorial now preserves the memory of their past life. All of this serves to make us ascend the steps with respect and in silence.
http://www.kabakov.net/ http://www.kabakov.net/installations/2019/9/14/memorial-to-useless-things



- http://www.kabakov.net/
- https://www.warhol.org/time-capsules/
- https://www.mmk.art/de/whats-on/andy-warhol-time-capsules/

Andy Warhol: Time capsules

- https://www.warhol.org/time-capsules/
- https://www.mmk.art/de/whats-on/andy-warhol-time-capsules/

Pierre Huyghe
*1962

- https://www.youtube.com/watch?v=UykJDjehBUU
- https://www.youtube.com/watch?v=SvmOIWe6G00
- https://www.skulptur-projekte-archiv.de/en-us/2017/projects/186/
- https://www.youtube.com/watch?v=eWre6dlUAbo