ASSEMBLAGES

2019



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Yangon's Pottery Innovation

Pottery and ceramics have played a

important role in Rurmese society for centuries, forming an industry which was once one of the most respected in

in everyday life reduced, causing the

a new institution, the Yangons Potters

Centre to promote and regenerate the Burmese pottery industry. It is located in

downtown Yangon in the former Divisions Court and a new extension, It comprises

exhibition spaces, workshops, and research innovation laboratories. A pot's

components, properties and states have been analysed and explored to inform the form, materiality and aesthetic of the

The IPCC have stated that globally, 20%

of our anthropogenic methane emissions come from rice cultivation. With over

of Myanmar's arable land used to farm rice it is estimated that as

a country 4.5 million tonnes of methane is produced annually. The IIMR acts as a

low emission habits. The institute of of an exhibition space, laboratories, methane storage and reward scheme and a series of inflatable spaces which make use of the stored methane. A giant anopy held up by methane balloons acts on to attract neonle to site

International Institute of

Methane Reduction

Katie Dechow

Charlotte Grasselli

Project

The Playground for Intronautic etuennaute. Aimée Daniels

project is about religion spirituality in Myanmar, dr connections between religion drawing territory. Myanmar is a predominantly Theravada Buddhist country where social life and religion are inseparable. The nation employs two calendars, the Civil and astronomical observation park with full moon monuments driven by the rich narratives of Burmese festival culture.

Harvest Flower Pavilion



The rice industry is the largest agri industry in Myanmar with over half the country's arable land used for producing been augmented by the use of fertilisers purification landscape that uses natural water for local consumption.

Mounk Collective



The Magak Collective is designed to Myanmar. It is situated in Mogok, wh Myanmar. It is situated in Mogok, which is a recognised supplier of rubies. The town produces over 15 tonnes of raw material, containing roughly 900 carats of rubies, every day. The Collective houses negotiation between the Burmese government, mine owners, national, local and export traders, researchers and Mogok residents, but puts miners an underground gallery, private debate ims and laboratories where data abou rubies, as well as the stones themselves. can be studied and monitored

The Mercury Research & Health



The Mercury Research and Health Institute is a health and education focused institution based In the most heavily mined areas in the north of Myanmar It will educate the nublic on the effects of mercury-contamination from the gold mining industry. Its research will concentrate on alternative methods of mining that do not utilise mercury, of mining that do not utilise mercury, more efficient water filtration systems, and more effective mining and panning methods. This will aid in the medical treatment of miners with health issues resulting from the use of mercury during the mining process. The ultimate aim of

that heavy mining creates.

Irrawaddy's Salt Farm

Ioana Ungureanu



The Irrawaddy Salt Farm is intended as a prototype for salt farming across the Irrawaddy Delta in Myanmar. It uses an innovative method of making salt by extracting it from mangrove mud. It thus aspect of the region, but also a way of mitigating the landscape through reforestation of mangrove forests. The programme involves a combination of natural elements: mangroves, mud and salt, tied together through everyday architecture. A salt extraction canopy gives the farm its distinctive appearance



Hsipaw Forest Collective merges materiality and experience. The building invites visitors to meander through each level, transitioning from a dense arrangement of columns to openness, translating the structure of the forest using architectural elements. The roof system mimics the forest canopy, by points for the rains during the monsoon. The water trickles through the building via open copper drains, inspired by the pagods form. The most important spaces are the knowledge exchange and presentation floors which facilitate open forestry co-management scheme.

Hsinaw Forest Collective

Jessmine Bath

Circular Railway Tea House Una Ledaal

Drinking Lahpetyei/sweet milky tea, is a big part of everyday life in Myanmar. Tea has always been an important part of Burmese culture. Teahouses are of Burmese culture. Teahouses are located on every corner and in every market around the country. They are used as meeting places for discussion and conversation. Located on the Yangson Circular Raileay, the Raileay Fice House is a moving tea house used as place for tea definiting, learning and ciscussion and country of the property of the change on the tea industry.

Myanmar Mercantile Shrimp Exchange nna Akhter

This proposal is a Futures Market for Shrimp trading in Yangon. Due to its increasing economic value and high demand, Myanmar's Mercantile Shrimp demand, wyanmar's wercannie snimple. Exchange incorporates an international network in order to subsidise the current industry. The scheme comprise 10 components making up a new infrastructure through the intentional intrastructure treaugh the internoonal overlapping and intersection of various programmes such as a sushi bar and mini golf course. Through social architecture, it aims to enhance the productivity and

Elisabetta Lafratta ASSESSED building designed to augment sound, sensory experience and communication between Irrawaddy dolphins and humans. The aim of the project is to make the local fishermen and the villagers in Myanmar

a sacred space for most of the year and a cyclone shelter when disaster strikes.

to further develop cooperative fishing solutions to acoustic pollution in the rive Data Flows: Digitalising The

Irrawady River

noise pollution, one of the causes of the Irrawaddy dolphins' critically endangered state. The Smiling Dolphin Embassy will

potentially become a tool to harness the extraordinary intelligence of dolphins

The Smiling Bolphin Embassy



This project aims to construct a system of communication between Irrewaddy or communication between irrewadory river and its human users. It proposes a way of preserving the Irrewaddy river as a viable method of transport and for conserving it. Its purpose is not to directly conserving it. its purpose is not to directly bring a solution to the problems of navigating the Irrawaddy, as much as to communicate the invisible, changing river landscape through a visible, dynamic platform of data.

Shwe Recuperation Corridor

Fiona Grieve



explores how a fossil fuel pipeline could potentially be transformed from an object social reform and compensation of social reform and compensation. The corridor comprises a network of instruments, heat taps and tribunals that together deliver justice and raise awareness of the social and environmental impacts of foreign investment in Myanmar, focusing on the Myanmar-China Gas and Oil Pipeline in particular. The Shwe Energy Tribunal hopes to learn from and remedy some of the mistakes made during the construction of the pipeline, through the provision of services that ovide an openness and clarity to industry previously not afforded to the Burmese people.

Avian Air: A Tropospheric Bird Sanctuary

Rachel Wakelin



Storytelling realise otherwise engaging with the story of an everyday entity, affected by climate change, our changing environment can become more tangible. Migration patterns of birds are dramatically changing and the link to climate change is fundamental. This bird watching tower is a hybrid typology of bird watching and data display of migration and climate. The intention is climatic communication, through an experiential journey intended to converge the human experience with the

Regulating The Land Of Treasure ; A New Jade Standard



mining accounts for half of Myanmar's GDP. Set in 2050, this building will perform a series of new regulations from perform a series of new regulations from a previously ignored environmental management plan based on increased transparency and smaller scale jade mining. Just outside the notoriously corrupt Hpukant Township, the jade currency will be controlled by integrating all industry processes within a networked satellite system of infrastructure from mine to Hpukant and beyond. The building will begin to remediate and reflect the surrounding landscape and ecology, whilst spatially exploring the structural and geological qualities of jade and the mining itself.

The Chaung Gyi Archipelago

Raymonde Bieler



The Chaung Gyi Archipelago aims to explore displacement solutions for the population of Chaung Gyi, a village located at the junction between the Irrewaddy river and its delta. The village loses a critical amount of land to erosion every year. The eroded sediments are transported downstream and deposited in other parts of the river. The concept of the enabling the creation of islands and to stabilise the land to create livable spaces for the affected communities. This new land is managed by the River Registry, a civic institution dealing with the claiming

The Activist Puppet Theatre



This project is an activist puppet theatre to inform and engage the public in protest against the social, economic and environmental consequences of dam construction in Myanmar focusing on the Mytsone dam. It embraces the unique culture and history of Burmese dam construction. It allows the public to get involved and participate in the activist ovement by telling their own stories

Forest Protection Outpost

Thom Blain



The forests of Myanmar have been exposed to heavy deforestation over recent decades. This proposal aims to generate a new relationship with the orld interact in a system of exchange The building acts partly as an embassy showcasing the beauty of the natural forest and its current health. In addition, a border control filters and monitors the flow of natural resources and humans in and out of the forest. The aim of the architecture is to make use of local knowledge of the forest by placing the members of the local



Natural hazards in Myanmar include destructive earthquakes and cyclones, flooding and landslides that are common are large-scale rotating storms that generate high winds have caused mass of shelters. This project encompasses a sequence of distinctive wind chimes that serve as a cyclone warning system and a Sacred Cyclonic Shelter, which is used as

Hilsa Lane

Omar Manshi

This project is about creating a safe passage within the Irrawaddy River for hilsa fish. It is currently under threat due to a number of anthropocenic factors. In the part of the proposal developed for the to promote phytoplankton growth for fish to feed on and the charcoal to clean the water. In addition lilies are used to create a darker environment to attract the fish, as they are light-phobic and the bamboo walkway helps prevent the problem of overfishing as fishermen cannot cast huge nets past the edge.

STUDIO DESCRIPTION

"The studio worked in Myanmar, a monsoonal territory currently m a n being rapidly transformed ways by climatic, industrial human and and agricultural ways knowing are taken into account.

the third and final of three DS18 studios contributing to the research agenda of Monsoon Assemblages, a five-year long research project funded by the European Research Council (ERC). year the studio worked in Myanmar, a monsoonal territory currently being rapidly transformed by climatic, industrial and agricultural pressures. It was framed by the idea of cosmopolitical design.' This is based n the realisation that what used to be called nature (weather, climate, a river etc.) is no longer a stabilising pattern or a backdrop for human activity. Instead nature is created, instigated, composed and undone at every ent. It rejects the moderni idea of nature as external to human experience and able to be mastered by architects, engineers and scientists from the outside. Instead, it explores what design might be if it is practiced as an active process of manipulation and reworking nature from within, in

The studio began by mapping the Irrewaddy River in Myanmar as matter, ecologies and flows. Students deepened these cartographic representations by simulating the river from the perspective of a nonhuman entity that inhabits it e.g. a fish species, dolphins, mercury, sediment. We went to Myanmar in November 2018, visiting Yangon, Bagan and Mandalay, when students were able to undertake individual research on their chosen entity. This was followed by an exercise to design an instrument to augment the perspective of chosen non-human entity and make it more perceptible to humans. This concluded the first semester's work. In the second semester, students generated a programme and designed a new cosmopolitical forum in which the entity they had been researching and its human interlocuters could negotiate a shared future.



MAPPING THE COSMOPOLITICAL RIVER

BRIEF 2

Chindwin River Basin from the perspective of a non-human entity. Central to this brief is the idea that a river is not a body of water flowing between two banks, but a complex, dynamic system, that extends ross its entire basin, beneath the earth, on the surface and into the atmosphere, and that changes over time, cross seasons and in sponse to numerous pressures - a river is this entire spatio-temporal system,









SIMULATING A RIVERINE PROCESS

BEALFLOW BRIEF 3 of BRIEF 5 this brief is to simulate a riverine process encountered by the chosen entity, in order to visualise, model and study the river as imperceptible / invisible aspect a dynamic system. Thus developing a spatial and temporal sensibility and

AUGMENTED SENSORIA SITUATION of this brief design prototyping

an instrument to make an of some non-human entity or its habitat in the Ayeryarwady-Chindwin



FROM INSTRUMENT TO COSMOPOLITICAL FORUM

PROTOTYPE TO MICRO-PUBLIC-PLACE objective RRIFF 6 of the

semester long brief of the year is to take you through a series of steps to unlock the potential of your first semester's work to generate the architecture of a new cosmopolitical institution in which the entity you have been researching and its human interlocuters negotiate a shared future on the changing earth (atmospheric, terrestrial, oceanic). In other words, it is an imaginary forum in which non-human and













MONSOON ASSEMBLAGES

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