

experia

footprints

Designing Tropical Retreats- A holistic Approach

<https://competitions.uni.xyz>



Imq 1: Image representative of the increase in global mobility.

Premise

With an increase in **global mobility**, travel is no longer seen as a luxury and has grown to become **easily available and accessible to a larger part of the population**. Numbers recorded 25 million tourist arrivals in 1950 (globally). In 2018 this number read 1.4 billion international arrivals per year. **This is a 56-fold increase.**

As one of the world's fastest-growing industries, tourism is an increasingly important source of employment for many countries. Employing over 200 million people world-wide, it is **one of the top three** contributors to economic development, and a primary source of **foreign exchange, employment and cash.**



Img 2: Image representative of the global phenomenon of mass tourism in the 21st Century.

Issue

Seen in fair light for a long time, only the positive economic impact of travel had been in focus. However as the number of tourists rose dramatically and, Mass Tourism became a global phenomenon, from the 70's and the 80's onwards a combined consciousness regarding the interrelationship between economic, social and environmental impact of the tourism industry came into being.

Global impacts of climate change, coastal urbanization, biodiversity loss, fossil fuel consumption, disease transmission, and cultural commoditization, were and still are among the more contentious tourism issues in media.



Img 3: Image representative of travellers seeking pristine environments and exotic cultures.

Issue

Looking for pristine scenery and exotic cultures, the number of tourists wanting to explore protected areas and rural communities are continuing to rise. **Tropical regions record the biggest growth.**

As extremely important habitats these regions often are the last refuge to many endangered species. **The tiniest bit of uncontrolled disturbance can have potentially disastrous consequences.**

Hence, even though nature based ecotourism seems like it might have a lower impact than typical mass tourism, the ground reality is that **its reach has a stronger hold, and mostly can be seen even beyond the ecological including the socio- economic sector** as well.

However **60%** of global travellers
are willing to go out of their way to
reduce their impact.





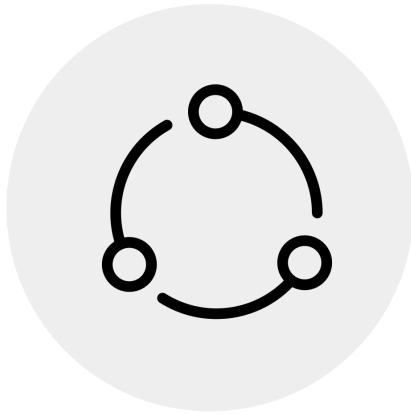
Img 4: Image representative of an example of resource efficiency.

Brief

While tourism no doubt plays a vital role in global and local economies, it also has an ever lasting impact on the global and local environments as well.

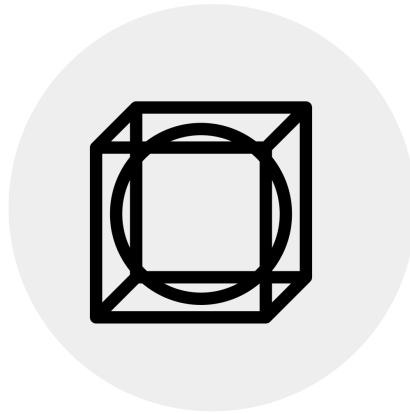
How do we adapt the concept of sustainability to the design of the built environment? How do we create and manage a healthy built environment based on ecological and resource efficient principles? How do we try to limit the impact of the built environment on its surroundings?

Design challenge : Develop a solution for a tropical Eco-Resort, with the ultimate goal of restricting the impact of the builtform to an absolute minimum.



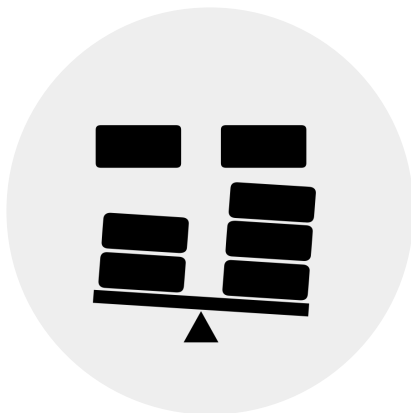
Context

Solution relies on locally available resources, on the immediate environment and on identifiable needs.



Form and Materiality

Apply form and materiality that is culturally and climatically appropriate even if unconventional



Balance

Environmental, economic and social sustainability.



Low Impact

Environmental, economic and social sustainability.

Objectives

The following objectives can be a point of beginning to conceive this design. Participants can assume their own contexts and users before initiating their design process.

- Reception
- Lobby
- Management + Administrative Offices



25%
Administration/ Operation

- Living Facilities
- Dorms
- Apartments
- Single Room/ Double Sharing
- Villas
- One Room/ Two Room/ Three Room
- Kitchen + Dining
- Common Rooms, Decks, Cafes
- Laundry and maintenance Rooms



50%
Accommodation

- Spa Facilities
- Yoga Facilities
- Nature trails
- Bird Watching

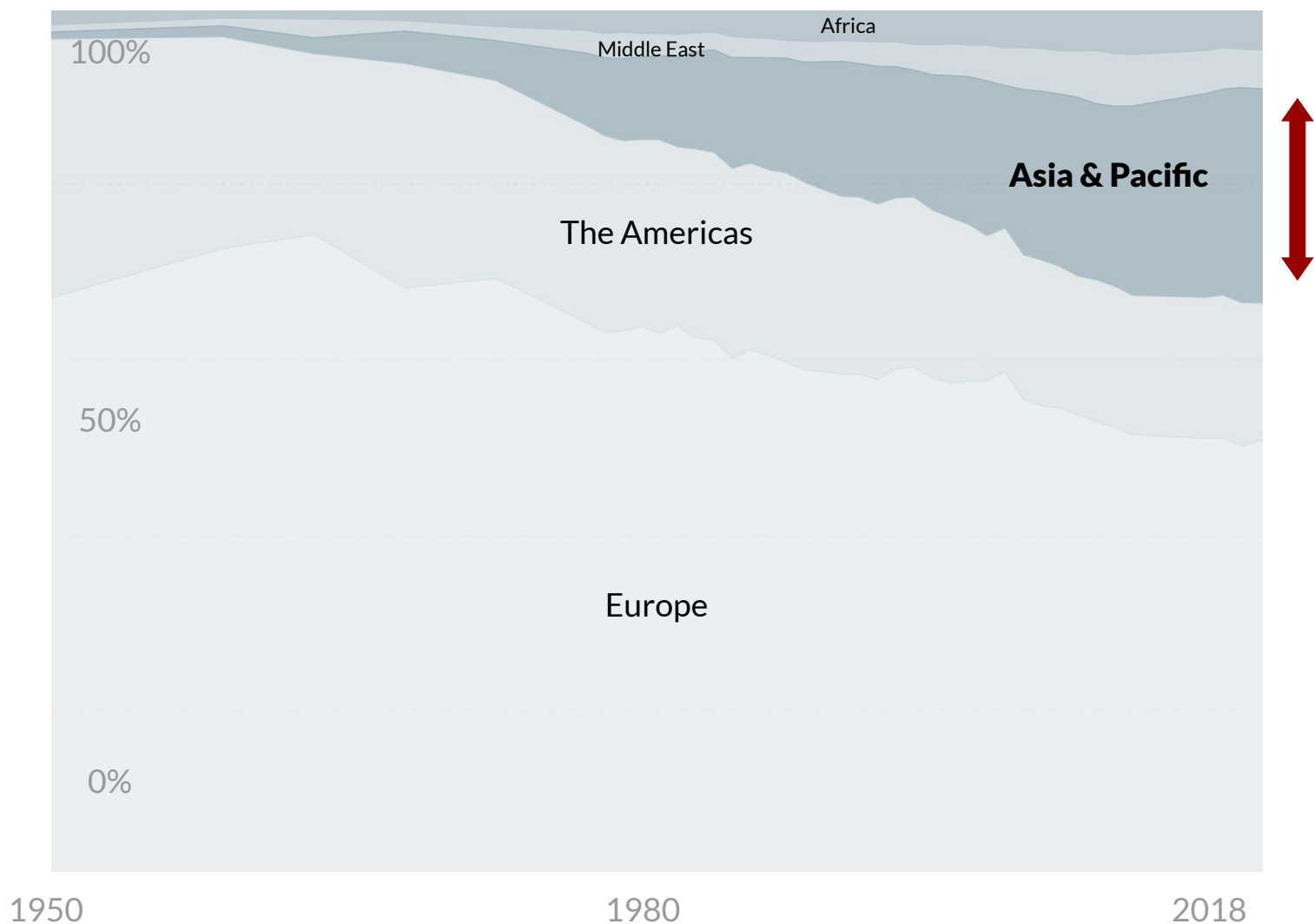


25%
Recreational

The listed recreational activities are for example only. Participants can follow the same or improvise based on their individual narrative.

Programmatic Outline

The following programmatic outline **intended to host 250 guests at a time** is recommended for this challenge. Participants are recommended to craft a schematic programme based on these given segments or they can propose something new altogether.



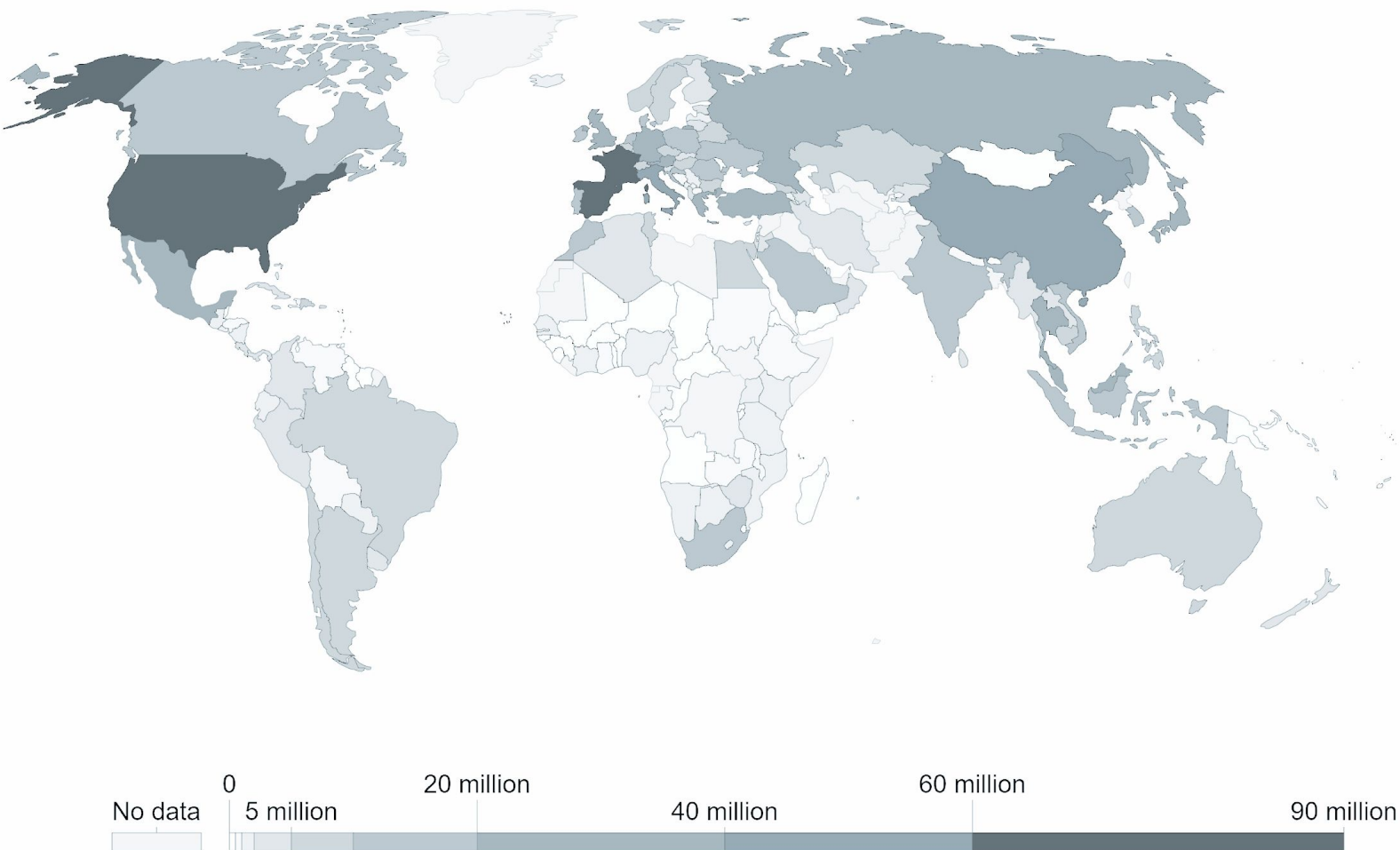
Img 5: International Tourist Arrival by World Region

Asia and the Pacific

Increased connectivity, easier access to information and a thirst to explore different cultures has drastically changed travel trends over the past few decades. From Europe to Asia and the Pacific, a dramatic shift can be seen in the choice of destination.

In 1950, Europe saw two thirds of global travellers, as opposed to Asia and the Pacific seeing very little. Two years ago, every fourth tourist was estimated to arrive in the region.

Source: [Our World in data_ Tourism](#)



Img.6: International Tourism- number of arrivals in 2016.

Context

CHINA, Hainan Province

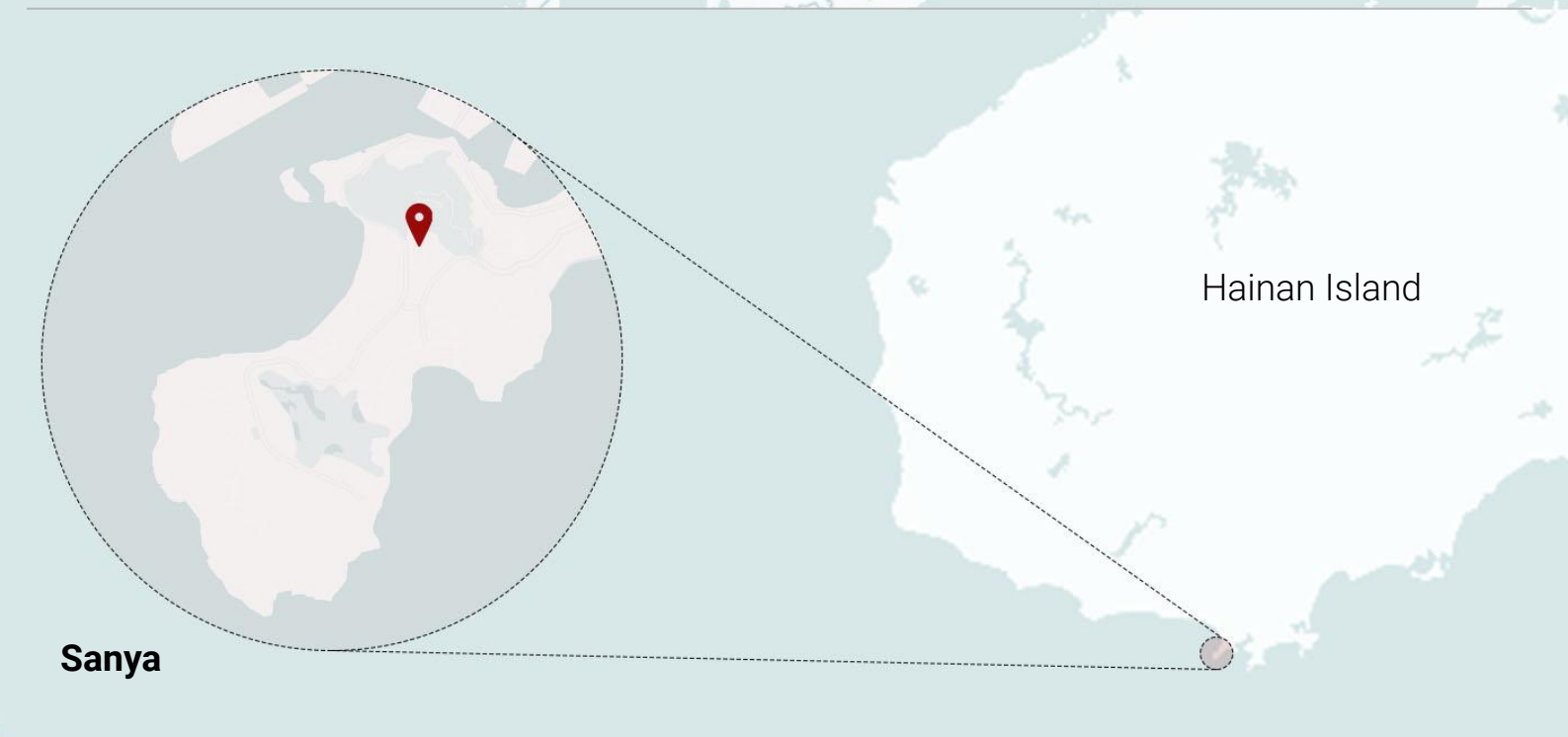
China's **only tropical province**, Hainan has grown to be the largest Special Economic Zone and the most frequented tourist destination in the country, however the regions GDP makes it the fourth smallest economy in the world. Showing unprecedented growth since the economic reforms of 1978, Hainan is seeing a subsequent down turn and has embarked on an '**eco-province plan**' that focuses on reducing unwarranted damage to the environment in the face of development.

On the other hand, targets have been set to expand its international tourism sector, working towards an underlying goal of hosting two million foreign tourists by 2020.



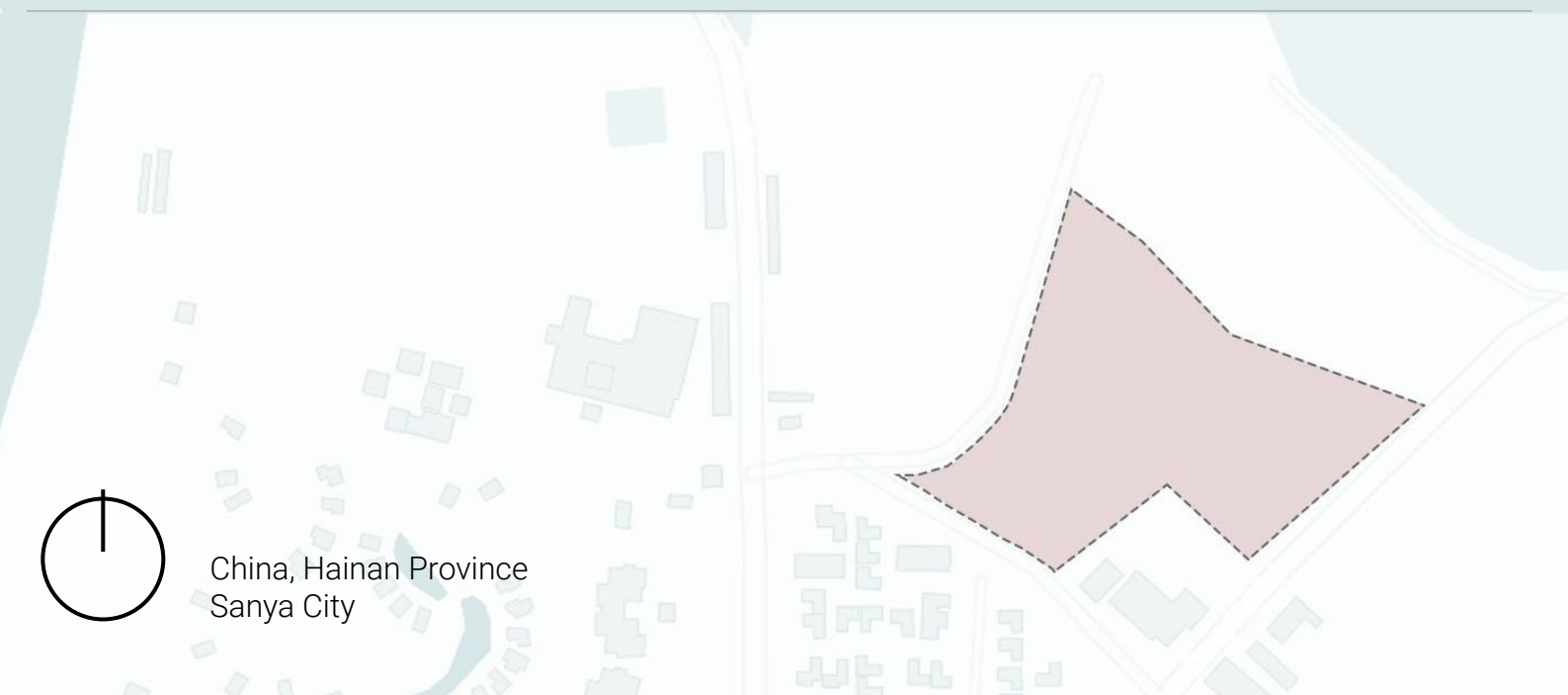
China

Hainan Island

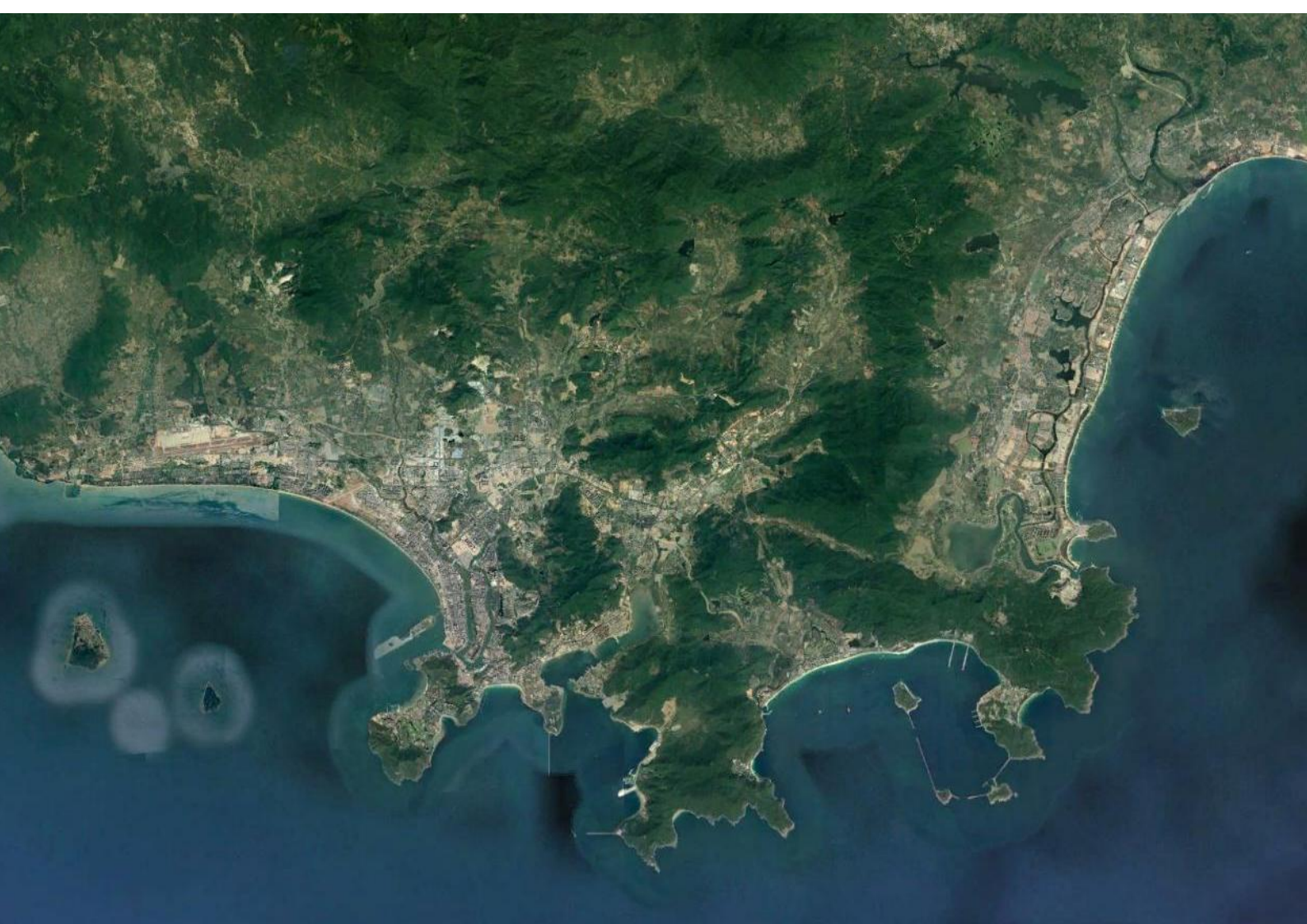


Hainan Island

Sanya



China, Hainan Province
Sanya City



Img 7: International Tourism- number of arrivals in 2016.

Context

SANYA

Tourism has been an effective way promote economic growth for coastal areas in developing countries. At the southern coast of Hainan Island, Sanya saw unprecedented growth in infrastructure development.

However a rapid, unchecked increase in tourism infrastructure led to a dramatic change in land use patterns, landscape fragmentation, vegetation degeneration, and coastal erosion.

Records show that from 1991 to 2007, farmland and forestland decreased by 15% and 29% respectively; on the contrary, construction land and orchard increased by 242% and 258%.



Img 8: Image representative of site boundaries.

Site Plan

Located at the junction of Nanbianhai Road and Luying Road, the site is in close proximity to the Nanbian Hai Fishing Village and the Sanya Port; at the heart of Sanya, peaceful, laid back and desperately clinging on to the charms of a bygone era.

[Landscape](#) | [Native Vegetation](#) | [Native Wildlife](#)
 FAR 0.1 | **39785sqm** | 18°13'09.9"N 109°30'06.3"E

Guidelines

You have to deliver an architectural outcome on the following site, based on the given outlines.

- Recommended number of sheets/presentation images/boards:

5 (Five) of size [**2362px x 3544px**] or [**400mm x 600mm in 150 dpi**] in portrait digital format (**JPEG only**).

Minimum 3 (Three) & No maximum sheet limit. Each image should be less than **15MB**. (Do not submit PNG format)

Minimum requisite submission are sheets/boards + Cover image containing:

- Site plan (Compulsory)
- Key conceptual sections x 1 (Minimum)
- 3D views x 4
- Cover image / Thumbnail of size 2000px x 1000px or larger in aspect ratio 2:1.
- Answering 6 FAQ's.#
- This is the link for new file sizes, [here](#).

#The FAQ's have to be answered as instructed in the FAQ document in the 'additional resources folder'.

Deadlines

Discover the competition schedule and deadlines on the competitions page or on this link - [Schedule](#).

Resources

This competition contains additional resources that will help you complete the design process quickly. This folder is made available on your profile [dashboard](#) as soon as you register.

This additional resources folder of this competition contains: Submission Format files in PSD | AI | InDD, FAQ Questions, High Res maps, and CAD file of the site plan.

Rules

- + The competitions is open for **students and professionals** from all the disciplines of design.
- + The team limit for this competition is **4 members maximum per team**.
- + You can register more than one team but they have to be registered separately.
- + Ensure that the final sheets submitted **do not include your name or any other mark of identification**. Your submission is linked to your user account which stands as your identification.
- + This is a design **ideas challenge only**. There is no built commission/realization associated with the problem.
- + In case of publication in yearbook we will reach out separately for selected entries.

Pro-Tips

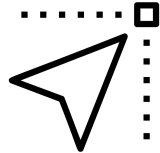
- + Use exploded views to discuss multi levelled conceptual models better.
- + Mention sheet number on corner of every sheet.
- + Plagiarism of any idea / form / design / image will be disqualified with a notice.
- + All the sheets or images will be viewed on a digital device. **e.g.** Laptop screen or projector. Uploaded sheets or images will not be physically printed for evaluation. The submission hence should be prepared for digital viewing only.
- + Submit JPEG images only. (PNG will not function)



Awards

Grants of up to a total of **20,000\$** can be won on this challenge. Learn more about the full conditions on the competition page [here](https://competitions.uni.xyz).

The entries will be judged by an international jury of the competition on the following criteria:



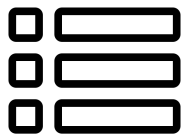
Presentation

The fundamental to a good entry is a good presentation.



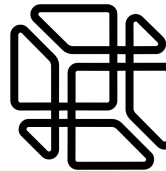
Concept/Idea

Quality of thought and intent in pre-design phase.



Spaces/Programme

How the spaces are calculated and ordered.



Design Outcome

The final architectural outcome of the solution.

Judging Criteria

The judging panel can also add other criteria based on their internal discussions - which will be in line with the problem statement. Participants are advised to fulfil above given criteria first in their design.

About

experia

Experia serves as a part of UNI in the realm of **experience based architecture and tourism**. As worlds becomes a place of experiences than belonging, **Experia** envisions a future where tourism is designed more intentionally and architecture becomes a part in shaping it. It intends to break the fusion of traditional design barriers and methodologies by making it a platform for experimentation. It embarks on mobilizing ideas where creators can elementally question the buildings we create. It is a research initiative dedicated to providing opportunities for designers from all domains to explore ideas that go beyond the restrictions of usual architectural discourse.

Queries: support@uni.xyz

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