The Expanded Environment

The Expanded Environment

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Biodiversity in the News

by Ned Dodington · March 22, 2024

We were very excited to read JuanRamon Rubio's article in Texas Architect Magazine which amplifies the call for...



The Urban Rookery

by Ned Dodington · January 9, 2024

Rookery: a colony of breeding animals, generally birds. A rookery is generally reserved for a colony of gregarious...



The Multispecies Metropolis

by Ned Dodington · April 23, 2023

THE EXPANDED ENVIRONMENT

The Expanded Environment is a nonprofit 501c3 organization devoted to demonstrating alternate ways of responsibly and synthetically integrating biological and ecological agents into the built world. Its goal is to assist governments, municipalities, provinces, organizations, businesses, and individuals to understand, appreciate and envision a more productive relationship between architectural and biological systems.

INTRODUCTION TO ANIMAL ARCHITECTURE

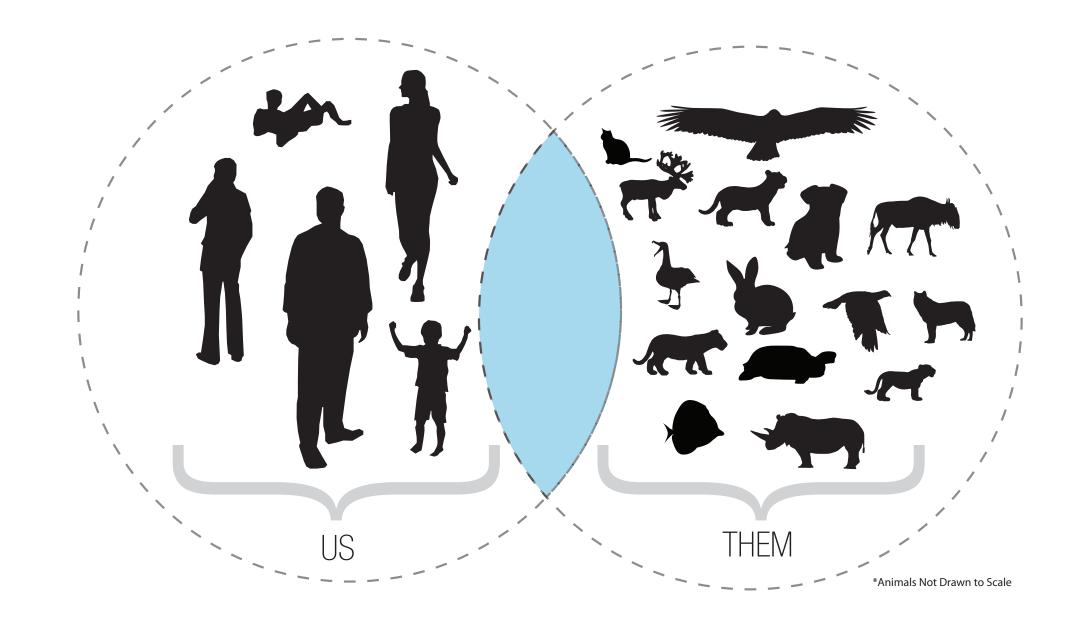


FOR SALE! HOW TO DESIGN WITH THE ANIMAL

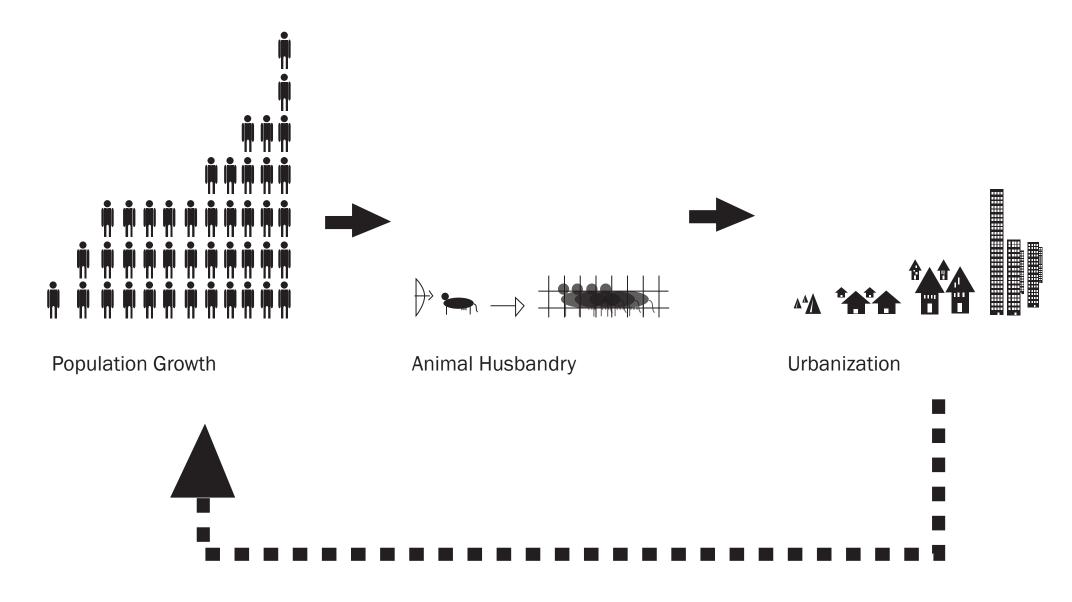


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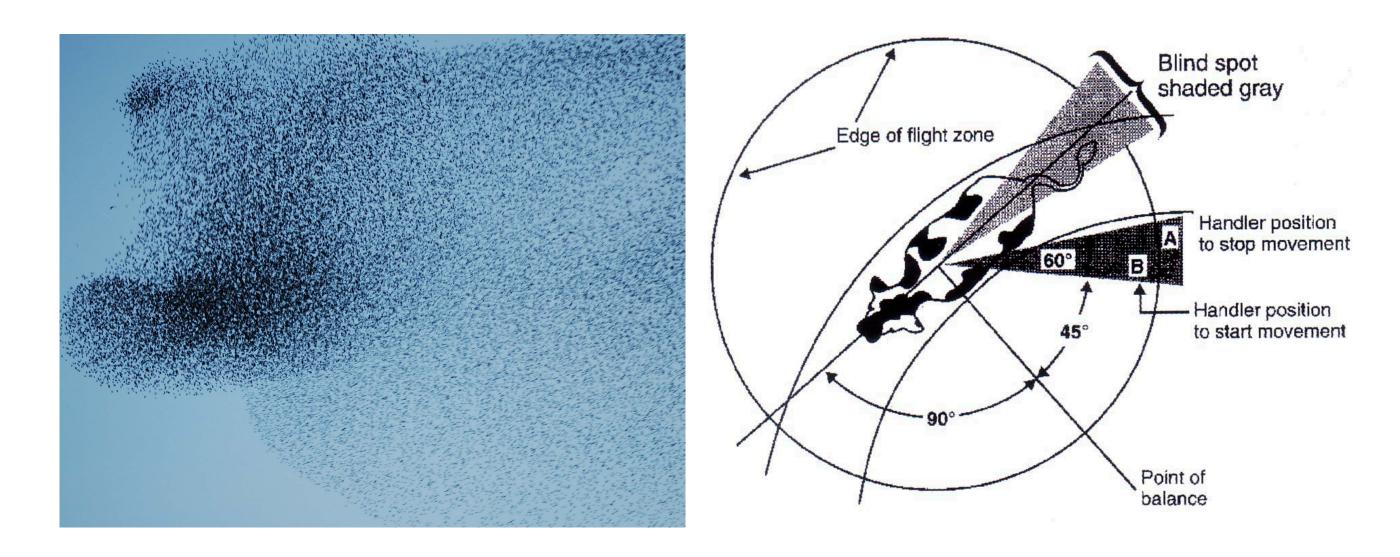
EXPANDED ENVIRONMENTS AND THE OBJECTS BETWEEN THEM



...is a project about bridging the humanist divide between "us" and "them."



...the history of Architecture is a humanist history and guilty of relegating all other species of life to the status of second-class beings.



...is a project about what it means as an animal to make and delineate space.



SUBMIT YOUR PROJECT The Expanded Environment Intilitation continued design partiers. Wereing ordine will be announced rate-summer (DIII) and will be eligible for publicate and exhibition. The First Place winner will be entitled to a \$500 cach record. Debuts at your expressioners were the announced any

Sponsored By



new living

Register May 29, 2015 Submissions: June 29th, 2015 Winners Announced: August 2015

Entrance Fees. Students and student teams. \$50.00 Professionals \$150.0

Ariane Lourie Harrison

Ryan Ludwig Architect, AcE / Adoptation of Parts

Haldre Rogers

Mason White

Antonio Tarres

Michael Loverich

www.expandedenvironment.org/monster



All Creatures Great & Small

www.animalarchitecture.org

What: The Animal Architecture Awards Register: May 1st 2011

Deadline: June 12th 2011 web: www.animalarchitecture.org/register cost: \$25 Students, \$50 Professionals

Jury Committee Members:

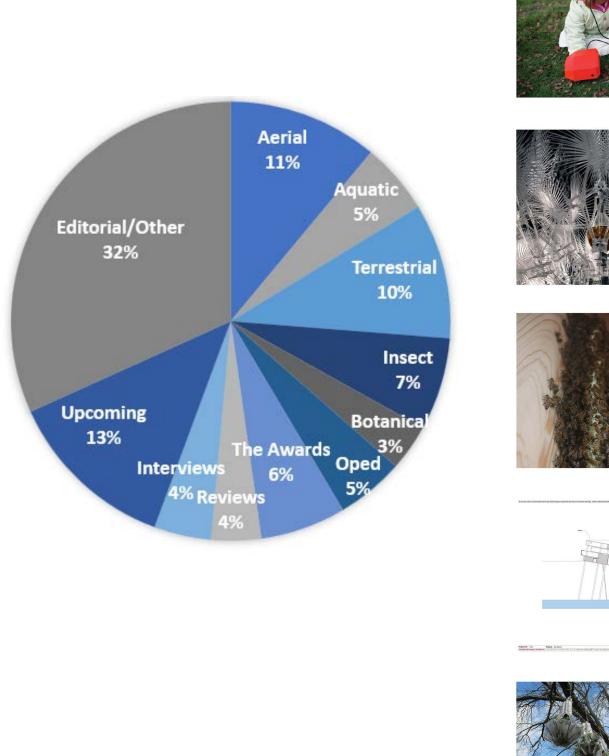
Ned Dodington, Founder Animal Architecture Jon LaRocca, Founder Animal Architecture Neeraj Bhatia, Rice university/Infranet Lab Joyce Hwang, Asst. Professor of Architecture University of Buffalo NY

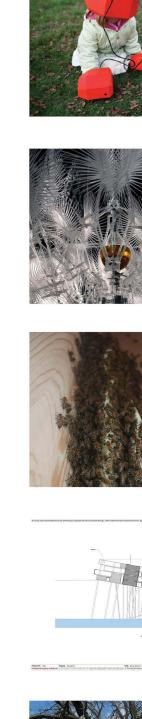
Geoff Manaugh, Author BLDG BLOG Cary Wolfe, Series Editor Posthumanities Alison Hunter, Visual Artist Sanford Kwinter. Prof. of Architectural Theory and Criticism. Harvard GSD

Animal Architecture seeks projects that engage the lives, minds and behaviors of our alternate, sometimes familiar companion species -insects, birds, mammals, fish, and microorganisms - each one with unique ways of world-making. As our society re-examines its place in the global ecology Animal Architecture invites your critical and unpublished essays and projects to address how architecture can mediate and encourage multiple new ways of species learning and benefiting from each other - as we say it here: to illustrate cospecies coshaping.

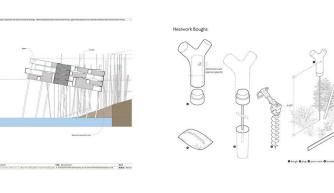
SUBMIT YOUR PROJECT Submissions can include past work, current research and built or unbuilt projects. Winning projects





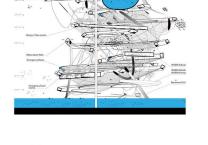




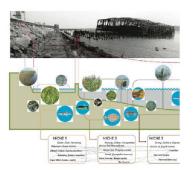






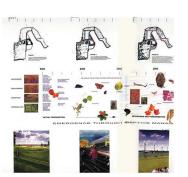






















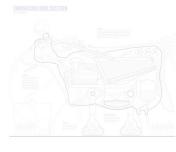


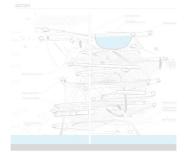


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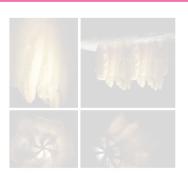


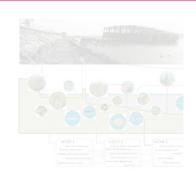




















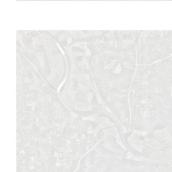


























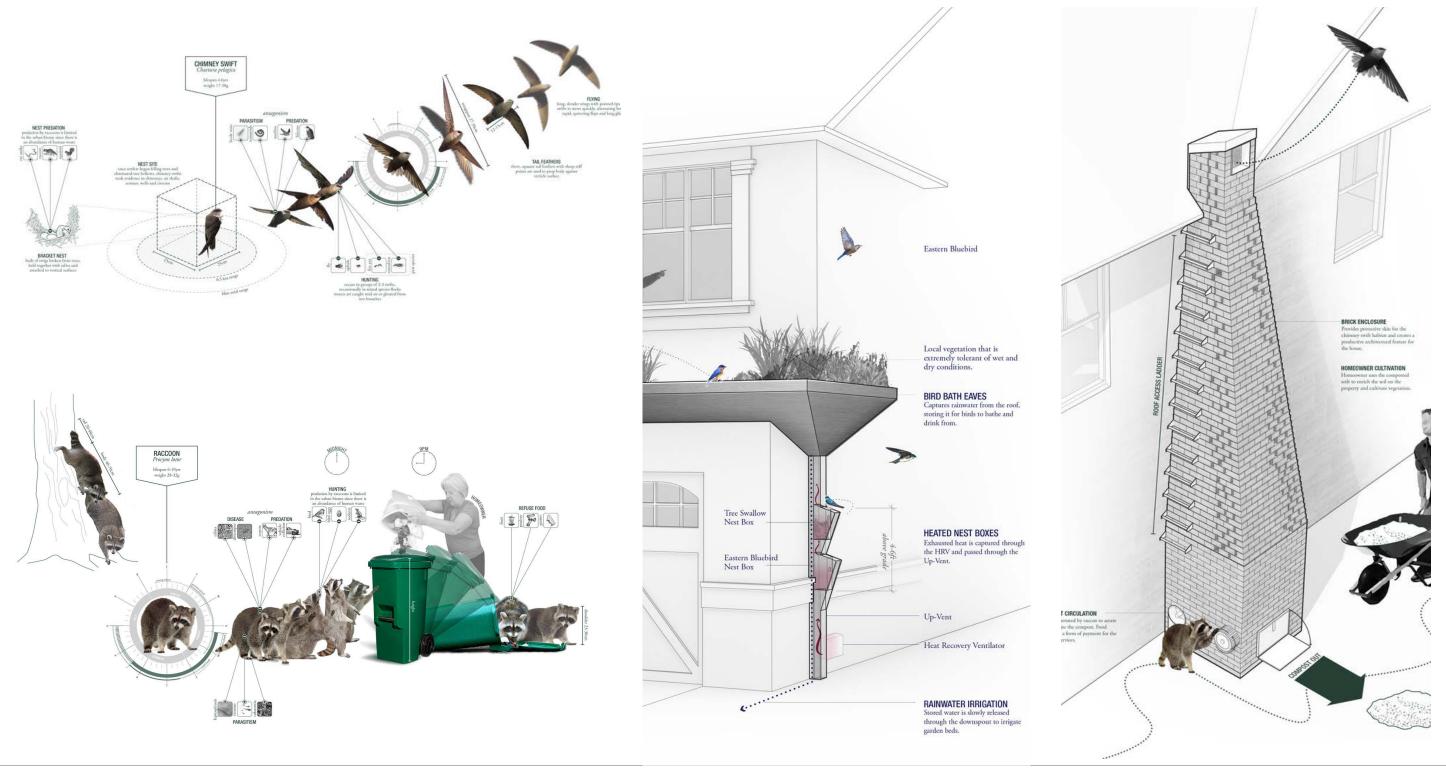


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SYNANTHROPIC HABITATS SOFT SYSTEMS POST ANIMAL PROJECTS

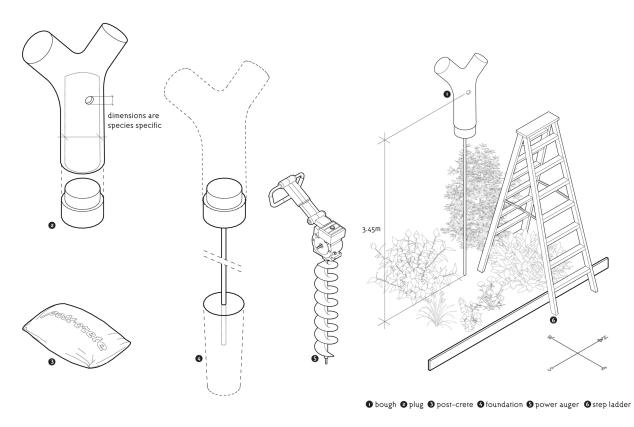
SYNANTHROPIC HABITATS

- \ Illustrate Cross-Species cohabitation design scenarios
- \ Seek to design for, improve and invite alternate human/animal hybrid environments
- \ Offer Symbiotic Design Solutions (Positive Animal + Human)

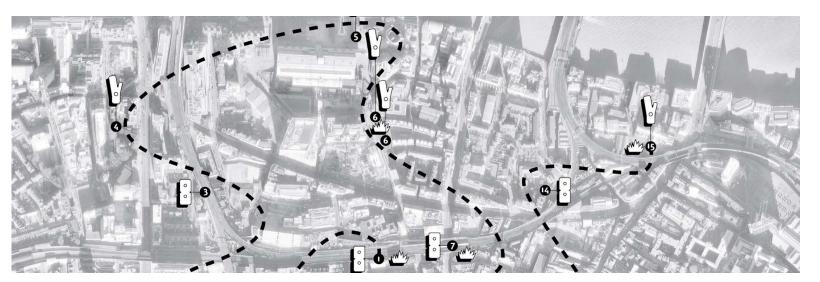


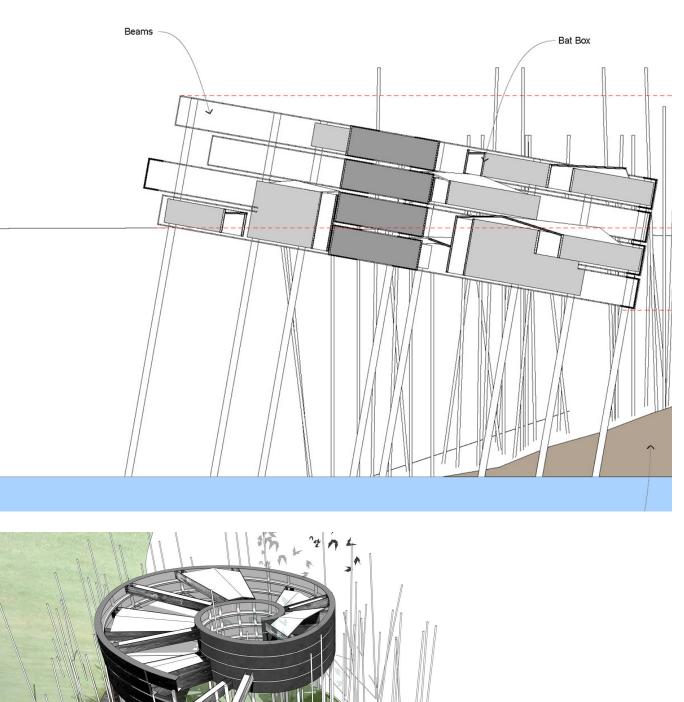


Nestwork Boughs



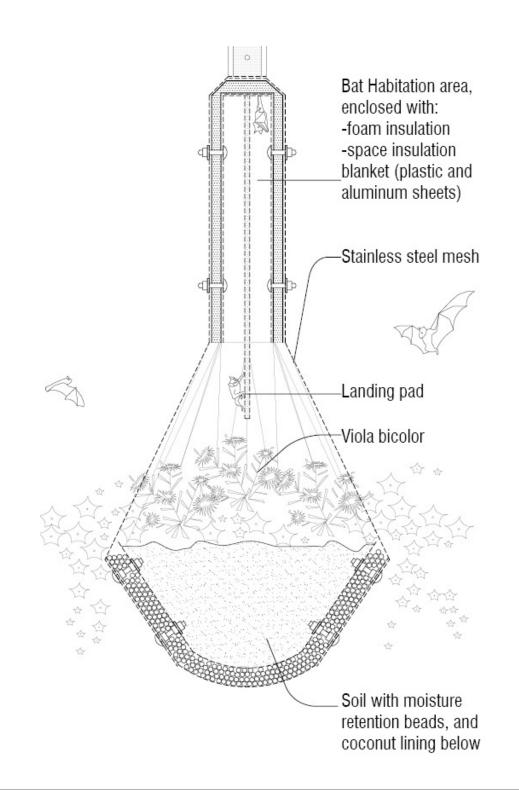








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Host and nectar plants (climbers and bushes) positioned on the building and related butterfly

serves Taller Croquis as an indirect marketing strategy that is part of the spatial exploration of the multifarious Caleño identity for the business, given the challenge that its global expansion

The garden building is an attractor of Cali's butterflies, containing information on the environmental quality of the region and its biodiversity. At the same time, the GBHNPCB





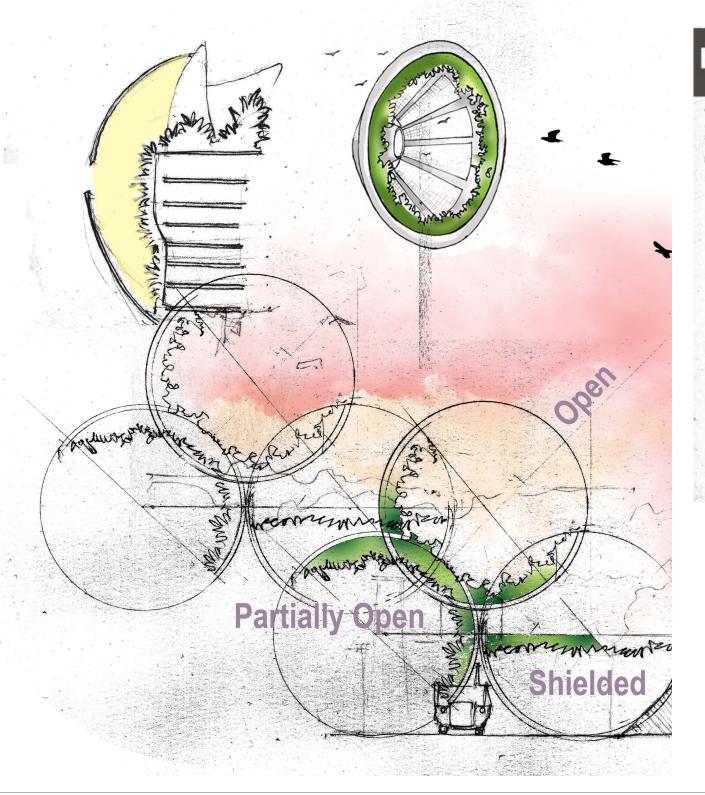
* in areas of the garden with less sunlight exposure than that required for host and nectar plants, other local species are planted, especially ferns and different types of philodendron, which require less sunlight.

butterflies species

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SOFT SYSTEMS

- \ Large scale ecologically minded projects
- \ Seek to minimise detrimental human habitation
- \ Weaken human development and augment existing ecological patterns (tendency to "wish away" the human).
- \ Can tend towards the Super-Structural



BUILDING ARCHITECTURE AND SPARROW CONSERVATION IN URBAN AREAS

AMARTYA DEB1, and M.JAYASHANKAR2

HOLLOW ECOSYSTEMS

DEPARTMENT OF ARCHITECTURE, UVCE, BANGALORE UNIVERSITY. DIVISION OF ENTOMOLOGY AND NEMATOLOGY, IIHR, BANGALORE-89.

House sparrow (Passer Domesticus)

EMAIL: AMARTYA.DEB@GMAIL.COM

²JAY_ZOOLOGY@REDIFFMAIL.COM









POSSIBLE CAUSES OF DISAPPEARANCE

- HABITAT near farms and godowns. - increasing noise levels FOOD insects, seeds and fruits.

- changing local climate - increase in CO, levels
- depleating natural habitat

THE HOLLOW ECOSYSTEM MODEL



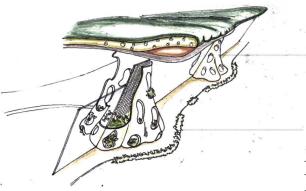
In an attempt to make the birds physically present within our vicinity -the model is aimed at providing them a MORE NATURAL HABITAT than just coops or niches. The concept is to provide large spaces partially enclosed to seperate NOISE and POLLUTION but having enough openings to allow LIGHT and VENTILLATION through it. The spaces formed inside are large hollow spaces which allow birds inside to fly in, out and around freely. They avoid heavy MAINTAINANCE as far as possible and are reasonably low on STRUCTURAL LOADINGS when compared to terrace gardens of similar order.. The concept can be adapted to suit various situations as dispalyed.

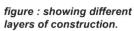
NESTING in holes. BREEDING SEASON winter

> If we like the birds and love their beauty then we should stop looking for them and instead make our surroundings more inviting for them to come to us.

MODEL #1 group level

plug-in consisting of FRAME + MESH + IVY for skyscrapers. No direct access to prevent unneccesary physical human interference





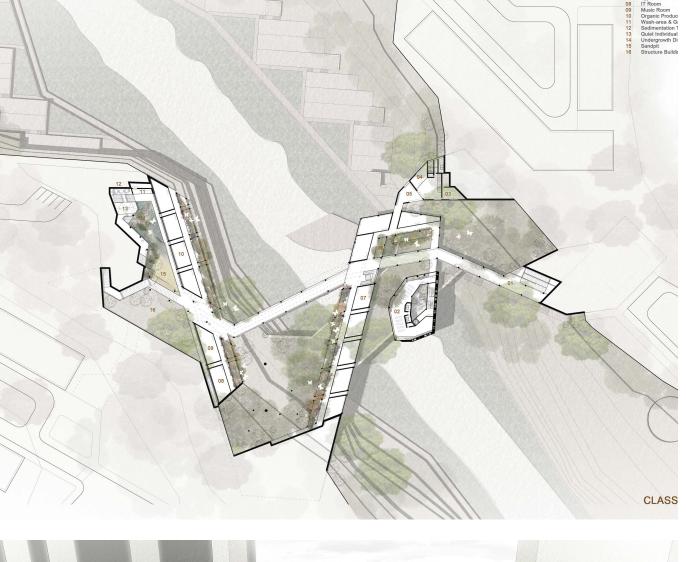


The LAVA COLUMNS are hollow so as to allow shrubs inside. The shrubs form a critial habitat for insects which are food for birds. A mesh seperates the insects from spreading indoors. Padding on the roof top and columns reduces noise and the perforations can be customised to protect birds from other interferences.

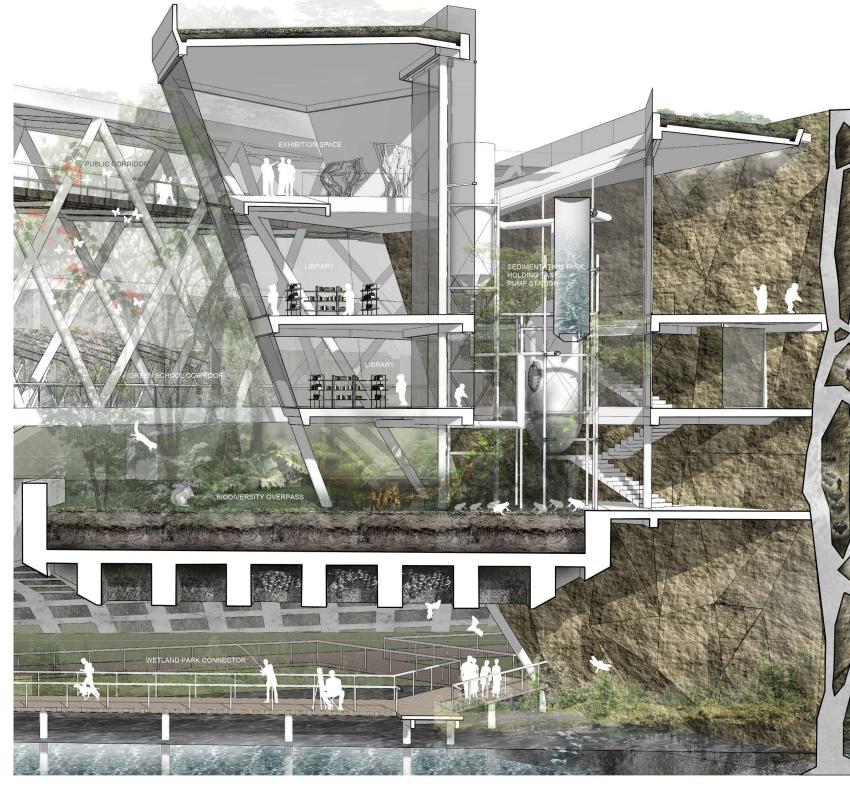


fig. B

These drains allow water to percolate, plants to grow and encourage a submerged ecosystem.







Design details

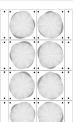
In order to maintain the use of the pipe as a walkway (and take pressure off other areas of the beach) the pools have to be concealed and the walkway left intact. This was achieved by building the tile of two parts: A pool and a cover that are assembled leaving a gap for water and marine creatures to get in and out.

The contour of the pool is obtained by overlapping the shape of the cover stone twice with a 45° in between. This creates the entrance gaps into the pools and allows for two different possible placements of the cover on the pool which, together with 4 possible orientations of the tile, account for 8 possible tile con-



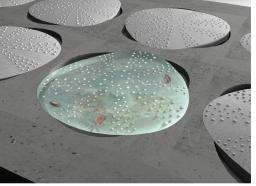
The entrance holes to the pool vary from 10mm to 25mm depending on the orientation of the cover. The pool can hold up to 1.7 Liters of water that is replaced with every tide. The bottom part of the tile containing the pool is made of

grey concrete while the cover is made of white con-240 rounded bumps to create more traction for



with glass ones to offer a view onto the life



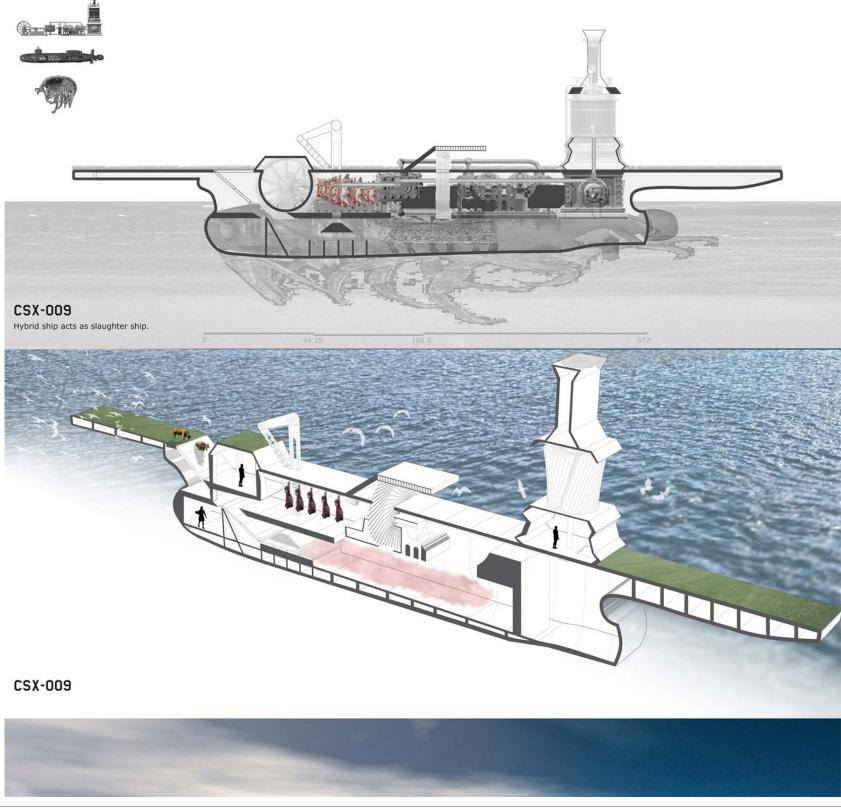












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POST ANIMAL PROJECTS

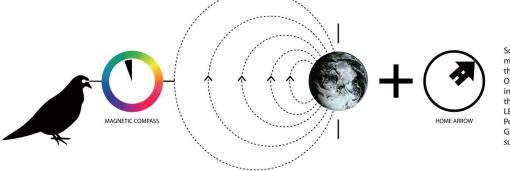
Seek to change the hearts and minds of human individuals.
 These are the art-pieces, installations, virtual reality games, temporary interventions that directly aim to change the way humans think, and obliquely to influence the way we live.
 we are asked to leave the comforts for our Human-centric worlds and to join Jacob Von Uexkull on his famous sunlit walk in a wild, insect teaming field.



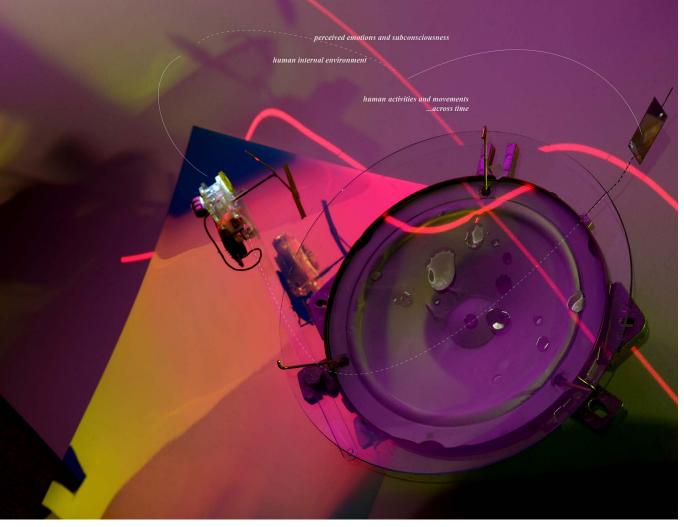
MAGNETIC VISION

Some researchers believe that magnetoreception in migratory birds occurs through biochemical reactions that are influenced by the Earth's magnetic field. One hypothesis is that chemical receptors concentrated in retinal cells superimpose directional color patterns on the bird's field of vision.

LEVEL 1 translates the locational information of a Global Positioning System into such a visual compass. Gamers learn to orient themselves and to navigate their surroundings via environmental color cues.

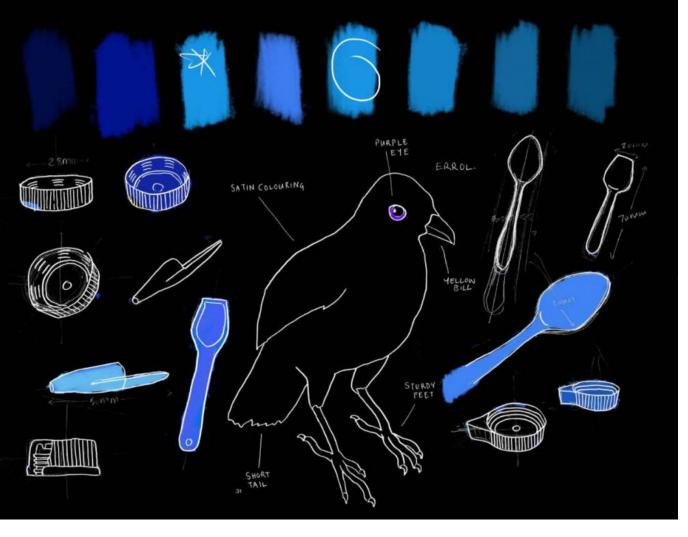












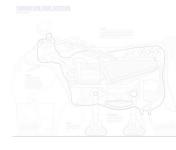


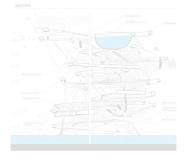


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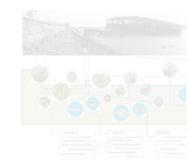




















































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