

Cultural Resource Dynamics for Climate Action for UIA Work Programme Heritage and Cultural Identity

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Presentation By

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Acknowledgements:

Team members:

@ RUIDP, IDIPT, HECAR and archinova environs

"Projects are Team Work Perspectives are mine."

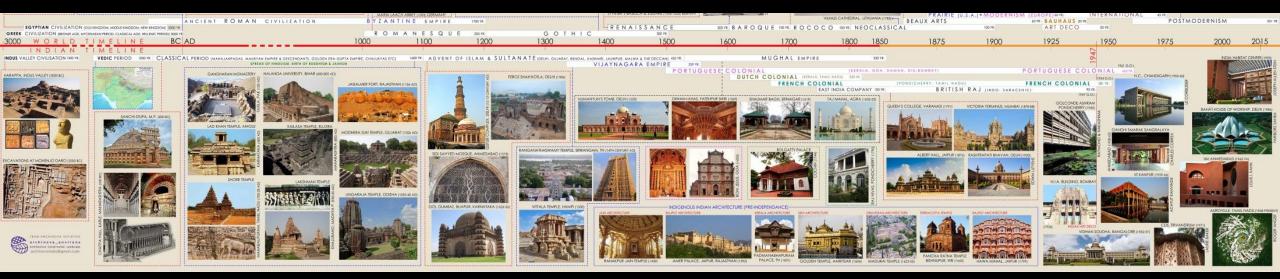
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The two streams – *Conservation* and *Sustainibility*have had same foot hold in the present, of us as custodians
to ensure caretaking of resources and not robbing the next generation of its availability.

Culture is considered as the 4th pillar of sustainable development;
however, I believe,
it can be the integrator connecting the other pillars of:
economic growth,
social inclusion
and environmental protection
in distributing the weight of Sustainability.

'CULTURE' is a process, wherein the first step is: a new pattern of behaviour is invented or an existing one is modified.

Cultural Resources of India are 3000 years of process of innovation, assimilation, appropriation, adaptation, adoption, & fusion



The 3000 years of living culture and recorded history is testimony of humans to be most adaptable and are the key to managing the finite resources of the planet.

Pandemic years have shown:

capacity to overcome adversity needs both: abilities and adaptability of humans

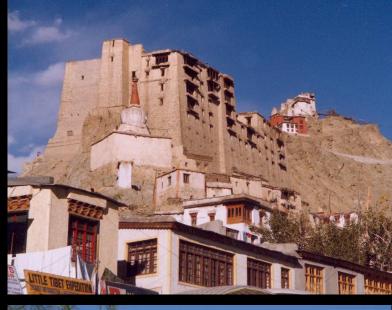
Traditional Building Materials:

Stone, Earth, Lime for mortar, plaster, decorations. and Wood for floors, doors, windows, columns, roofs.

TRADITIONALLY= CLIMATE + TERRAIN + Management of RESOURCES = distinctive Regional DESIGN





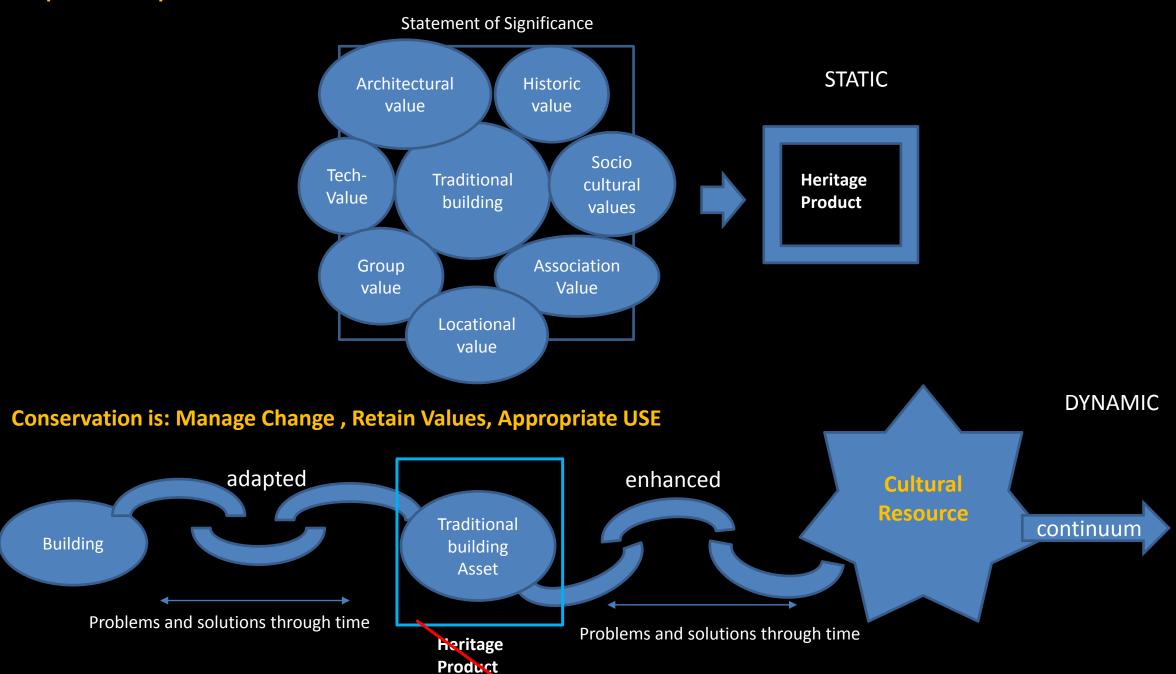








Popular Perception of Conservation Is PRESERVATION





Structure of Presentation: Experiential Learning through Action

Government Funded Projects (RUIDP-2001-2004) (IDIPT, H.P. 2016-2020)

Nature Culture Projects

Revival of Stepped well and Reservoirs, Amber (RUIDP-2001-2004) Fort Wall and Historic Gates Amber (RUIDP-2001-2004)

<u>Urban Conservation</u>: Jaipur - City Gates (RUIDP-2001-2004)

Building Level (IDIPT, H.P. 2016-2020)

Rehabilitation and Reuse of Town Hall, Shimla Restoration and Reuse of Bijay High School Old Building, Mandi

Privately Funded Projects (archinova_environs 2005 onwards)

Conservation, Addition & Alteration at Palacial- Golcha Garden, Jaipur Cultural belief system as Conservation Instrument at COORG (HECAR) Conservation, Addition & Alteration of Goan House, Saligaon Conservation, Addition & Alteration of Goan House, Parra

As a Citizen: Initiatives and Participation

Participation in Regional Plan -Goa Heritage Custodians in Panaji, Goa

Conclusion: Proposal for Paradigm shift:

Values and Development-oriented Conservation and vice-versa



PIC Credit: Ashish Aggarwal_ 2002

Lower Sagar

RESTORED AMBER FORT WALL

Seven km long Outer Fort Wall of Amber is now restored (by SDoA) using our proposal and is now open to public for adventure-walks is a sight to behold. Simple sentiment that if they could build it in 12th C - surely we can repair and maintain it in 21C gave the impetus!

Amber: Conservation Planning and designing with nature Revival of Stepped well and Reservoirs, Amber (RUIDP-2001-2004)

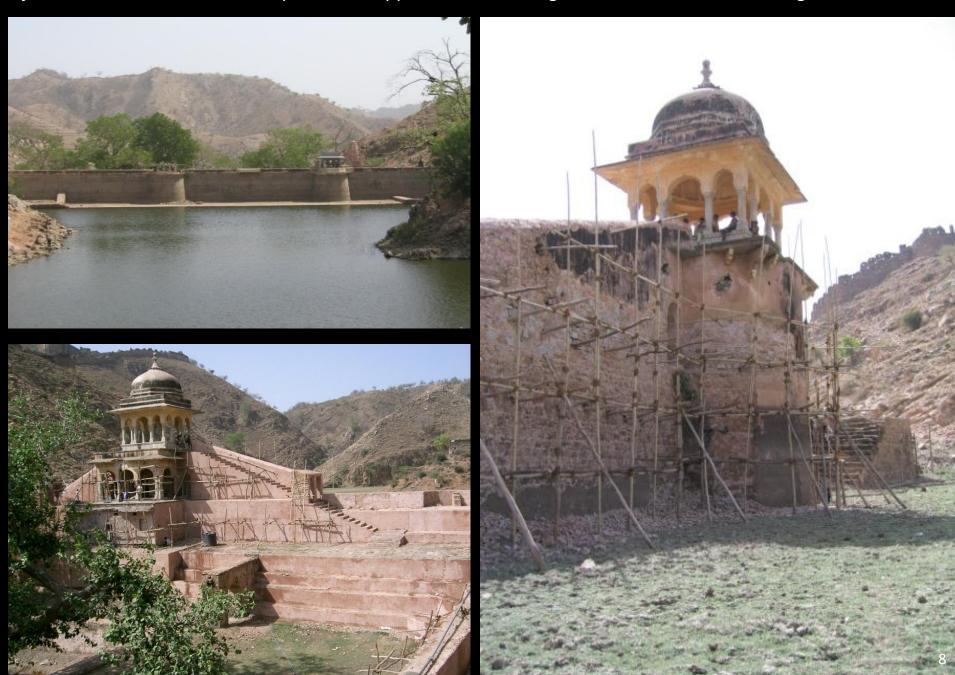
Upper Sagar

Dam Wall with pavilions and rooms

PIC Credit: Rashmi Singh 2018



Nature –Culture Project: Conservation and Development of Upper And Lower Sagar – Dam walls and de-silting of reservoirs

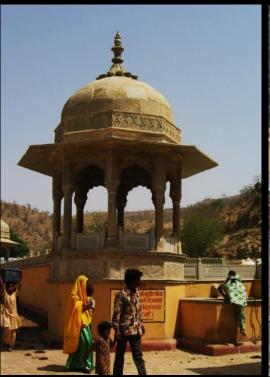


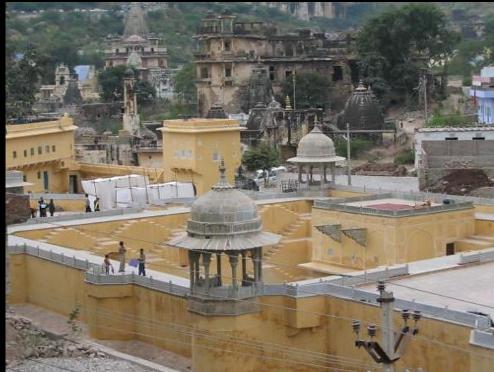
Conservation and Development of Panna Miya/ Meena Ka Kund:
Dismantling and Rebuilding of Open Pavilion (the Original Prefab Construction Technology)

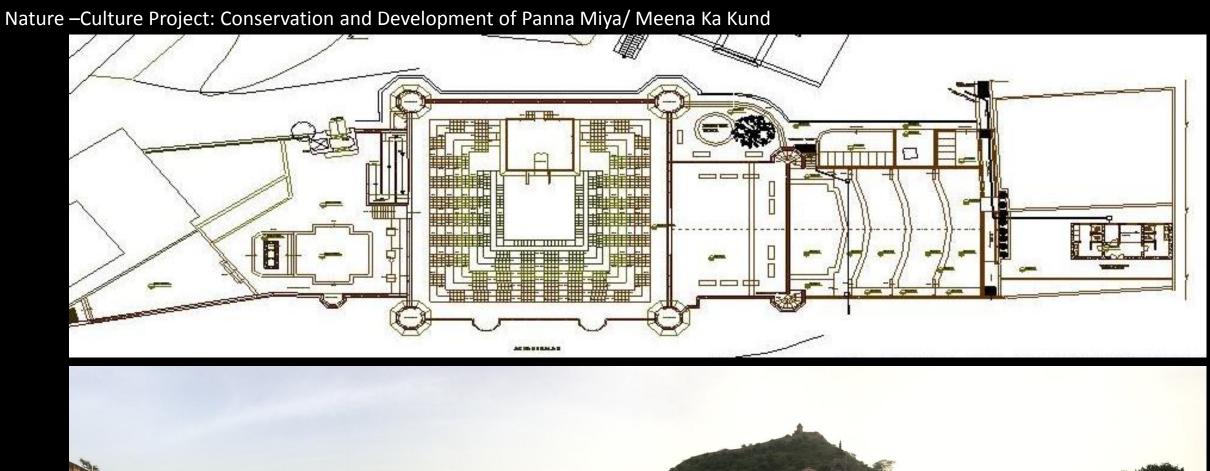




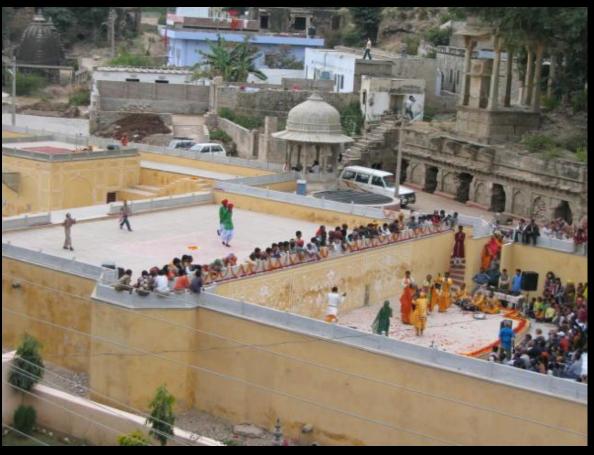












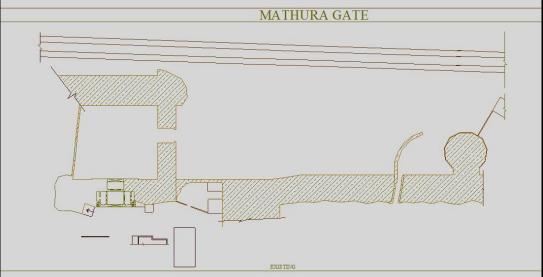


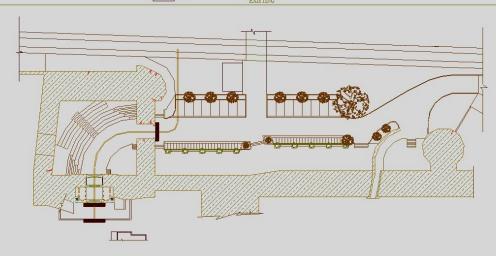


PERI-URBAN CONSERVATION & Area Development –AMBER :

To check encroachments DESIGN for NEW USE

Mathura Gate Amber











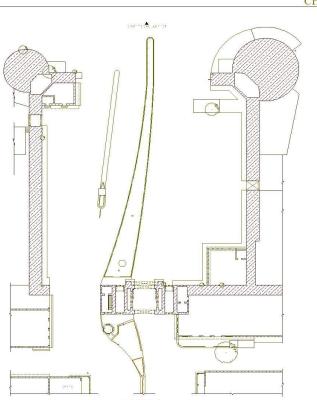


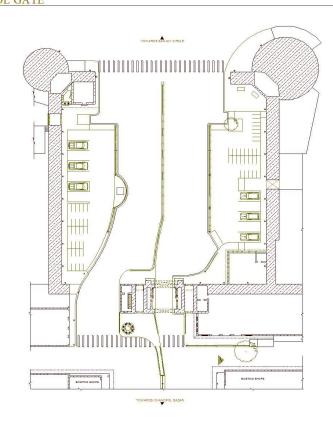


URBAN CONSERVATION & Area Development –JAIPUR :

Don't Remove The Users DESIGN FOR THEM

Conservation and Area
Development at Chandpol Gate









Ajmeri Gate – Conservation and Area development



PROPOSAL



URBAN CONSERVATION & Area Development –JAIPUR (RUIDP-2001-2004)

Don't Remove The Users; DESIGN FOR THEM

Conservation and Development of GALTA GATE, Jaipur





Public Services Block appropriate designed -in the historic precinct



BUILDING LEVEL CONSERVATION for REUSE

Rehabilitation of Colonial Heritage: Shimla Town-hall (1908) (IDIPT H.P. 2016-19)

Town Hall Shimla Mall Road Facade





Town Hall Shimla Ridge Road Facade

BUILDING LEVEL CONSERVATION for REUSE

Primary Features:

Three separate entrance allow for three USES in the building, with internal connection for management

- 1. Attic: Children's Art School and library
- 2. First floor (G.F. from Ridge Road) Mayor's Office and related
- 3. Ground Floor(Mall road Entrance): Cultural Centre, Public amenities, offices



Specifications and Methodology for Traditional works:

- Conservation of exposed brick chimneys
- Repairs and cleaning of Ashlar stone façade
- In-situ Stone repairs
- Stone slate roofing
- Lime mortars and plasters
- Timber works and finishes in Deodar wood.
- Relaying of slate stone roofing
- Retrofitting of services (smoke alarms and fire-retarder sprinkler system, toilets, internal and external lighting)



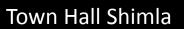
Man-made Vulnerabilities





















Town Hall Shimla Mall Road Facade



Ground Floor: Entrance & Lobby







Restoration and Reuse Bijai High School, Mandi

Established in 1866 The First School of Mandi









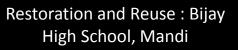
Restoration and Reuse Bijay High School, Mandi (IDIPT 2016-2020)

OLD BOYS (Alumni) Association and their shared memories
Ensured the renewal

Public Use as Library and Vocationl Centre









Improved detailing

Enhanced performance

Better Manageability







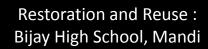


Restoration and Reuse : Bijay High School, Mandi













Palatial Private Property: Golcha Gardens, Jaipur: Multiple Historic Layers (late 17th C onwards) and as many Users & Uses







Project background

Addition of several building layers in last half century.

- The art deco façade of the office block
- The two residential wings on the North and South end of the original palace with wide verandahs supported on red sandstone columns.
- The North wing was given a makeover in the 90s:
- Formal living room, dining and refurbished kitchen and master suite to welcome the new bride
- The addition of two children to the family initiated the process of rationalization of the built fabric as while there were several rooms but none were livable due to lack of ventilation and light.

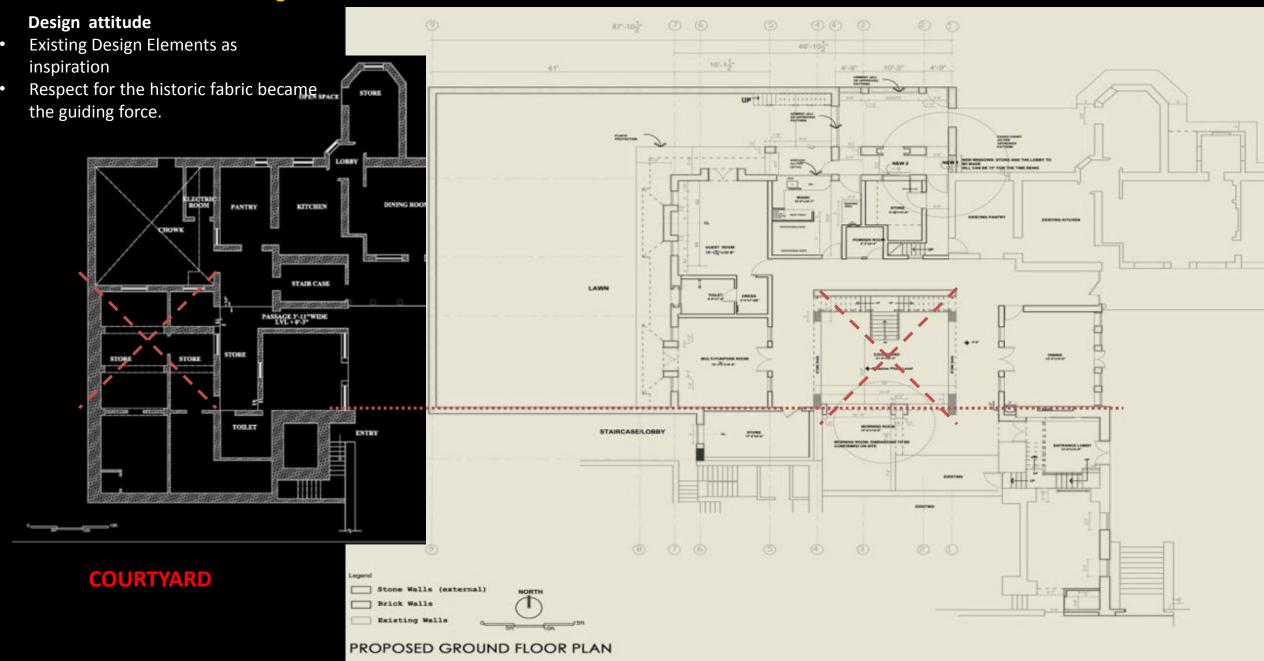








Additions in Historic Building



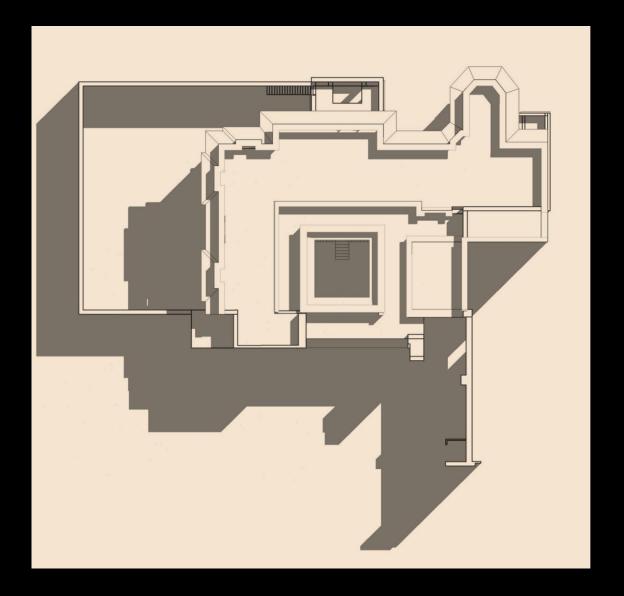
Environmental Sustainability through Traditional Knowledge System

1'6" (45cm) thick stone random rubble walls with 1"(25mm) thick lime plaster –ensures effective mitigation of the thermal heat retention and transmittance.

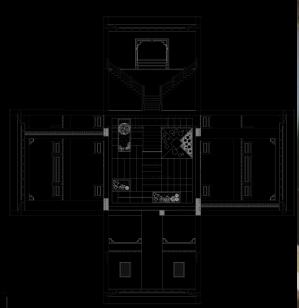
Deep verandahs surround the inner courtyard to mitigate direct solar gains.

Detailing of the façade with moldings and *sun-shades* mitigate water runoff on the wall surfaces to enhance the performance and delay deterioration of the finishes.

Traditional waterproofing (lime dhad on terracotta cup –coba) on the concrete slab roof finished in requisite slopes mitigate the solar gains effectively while allow for efficient rainwater collection.



THE FAMILY COURTYARD Contemporize- Traditional









Contextualizing the Eastern façade: Continuity of traditional architectonics, using traditional materials and methodology















The West And North End- Court: The existing built footprint was reduced to carve out a court to enhance the climatic response of the building.





Phase 2

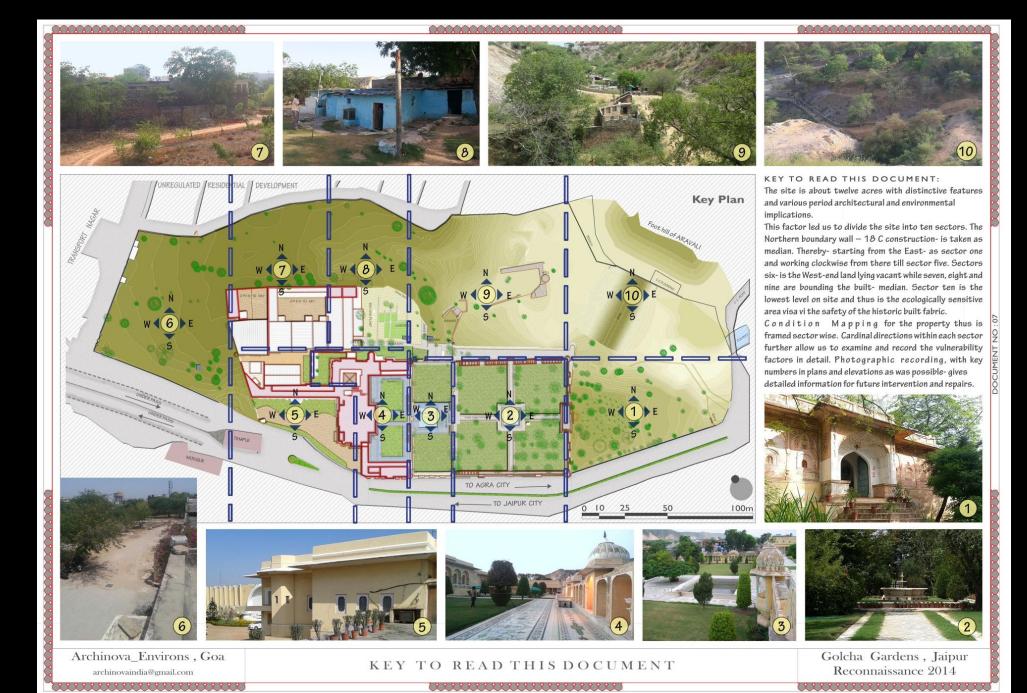
Conservation
Management &
Development Plan of
entire 12 acre property

Phase3

Restoration of Historic Gardens with all it's built elements

Phase 4

Restoration of
The Palace- the Oldest
Building Layers



Coorg

Cultural Belief as instrument of Continuum of built fabric



Ainemane:

Family (ancestral) Homes of Kodavas embody the ancestors, who are revered as deities







Conservation and development

200 year old Goan House Saligao Village

Arrest Decay- Add Design – Contemporary living in Heritage Homes





Goan House, Parra Village











Harness the Potential: Redefine USES of Spaces







now





Another 12 Goan houses have been revitalised by us

Others too have find New Uses. Popular are:

- Life-style stores
- Holiday homes
- Homestays
- Heritage Boutique Hotels
- Restaurants
- Book- Shops
- Architectural offices
- Art and Crafts Centres
- Library
- Pre& Play –Schools (Kids)
- Old Age Homes
- Homes for Destitute
 Women



ALL IS NOT WELL!



Panaji Capital City of Goa

400 years of Historicity

Unplanned and Unregulated Tourism: Beach side villages are most vulnerable in present climate crisis era













BUILDER'S GOA Second home craze: build at the fastest pace and least creative inputs for maximum gain











PUBLIC awareness process Aug - Dec 2006

Interpretation of RP 2011

Survey No. - Land Use

Colour Coding on Map- Settlement Areas: Commercial, Residential, Orchard, Forest

Overlay on Google Map

The Finding: CONCRETISATION OF GOA!

Total disregard of Forests, Marshes, Mangroves, Fields,

CRZ Zoning: "most visible is settlement zone"

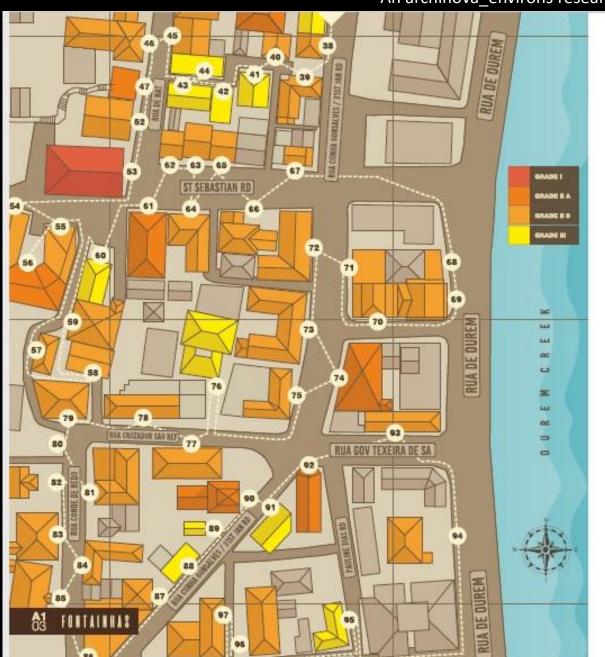




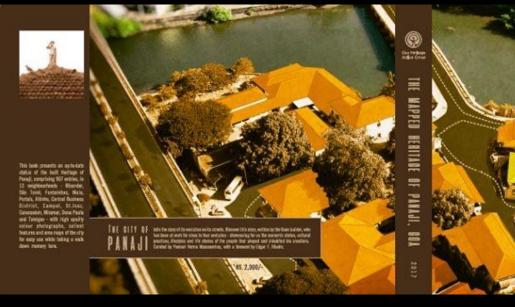


SAVE GOA!!! REVOKE RP2011!!!

Draft Regional Plan 2021: Heritage, both Built and natural recognised as Eco-sensitive Zones
Public Participation in Planning has found a foothold



09 | HERITAGE PANAJI | SAMPLE LISTING 61 161, St. Sebastian Road, Fontainhas, Pana) c. 19th-20th century AND GRADE II A The family home of architect Arminio Ribeiro Santana, this residence cumstudio is a fine example of Goan Domestic architecture. It is a double storied structure with a lew plinth, a rectangular layout and a sleping Mangalore tiled reaf. The colour combination of the house in brick red and white is interesting with the white authining certain elements of style. These elements include architraves at semi-circular arched spenings, false keystones, pilasters, cast iron railings, a cornice band, quoins and corbels under the roof. Altogether a charming piece of work and a fine sample of architecture as art. 62 169, St. Sebastian Road, Fontainhas, Panaji c. 19th-20th century AND GRADE II I A quaint balcie with built-in seats makes this house rather special in the precinct as the home becomes a community centre as evening falls. The house is a single storied structure with a low plinth and is built in the traditional style of using laterite load-bearing walls and line masonry and plaster. Circular masonry columns support the roof and the heavy stone corbelling at the roof's edge give it a squat look. 63 CCF, 169, St. Sebastian Road, Fontainhas, Panaji c. 19th-20th century. This is a unique double storied structure with a low plinth, a rectangular layout and a sloping Mangalore tiled roof. The series of rectangular windows, smaller on the ground floor and full height on the first floor link it with Old Gas architecture, where the lower floors were meant for the servants while the upper fleer was reserved for the Nobility. The property is sensitively renovated and is now the office of the Charles Correa Foundation.







archinova_environs initiative for GHAG

HERITAGE STATUS 2005-2017

Capital City of Goa State

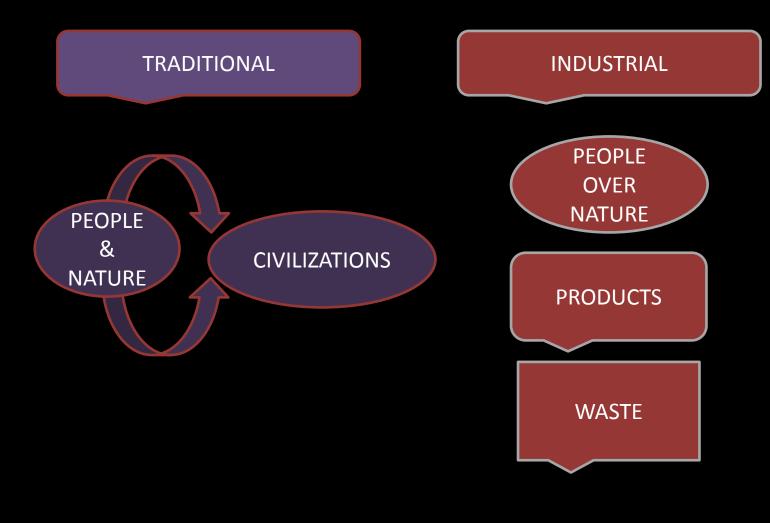
Panaji lost* 124 Heritage Buildings in
the last decade (2005-2016)

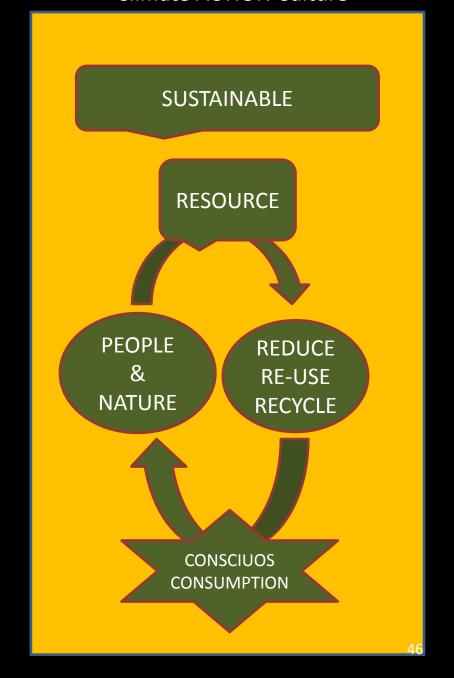
*(Delisted / Demolished/ Rebuilt/
Non-existent)

NO.	AREAS	FINAL NO. (2016)	GRADE	GRADE II A	GRADE II B	GRADE III	DELISTED	DEMOLISHED/ REBUILT/ NON EXISTENT	NO. OF Buildings Added By Archinova	TOTAL (2005)
01	RIBANDAR	130	4	19	75	32	NIL	21	NIL	151
02	SÃO TOMÉ	165	NIL	28	93	44	7	9	18	140
03	FONTAINHAS	117	1	19	66	31	10	9	6	130
04	MALA	57	NIL	6	35	16	10	6	NIL	79
05	PORTAIS	75	NIL	4	49	22	NIL	7	1	80
06	ALTINHO	69	2	16	47	4	1	6	NIL	82
07	CENTRAL BUSI- NESS DISTRICT	202	3	36	120	43	7	13	3	220
08	CAMPAL	40	NIL	32	6	1	NIL	NIL	8	
09	ST. INEZ	12	1	4	4	3	NIL	5	NIL	7
10	MIRAMAR	13	1	2	8	2	NIL	1	NIL	
11	TALEIGAO	8	1	1	6	NIL	NIL	6	NIL	114
12	CARANZALEM	11	NIL	1	4	6	NIL	5	NIL	
13	DONA PAULA	8	4	4	NIL	NIL	NIL	1	NIL	
	TOTAL	907	17	172	513	204	35	89	35	996

IMPORTANTLY, **907** are survivors and many amongst them are now re-furbished and earning a living through adapted re-use; and all this without legal protection;

Knowledge Gap: While we have often heard that the existing building is the greenest; but we have not yet quantified the carbon lost when it is demolished!





Cultural Resource Dynamics for Climate Action demands developing strategies wherein:

NATURE is nurtured as most valuable Cultural RESOURCE

Land, Forests, Fields, Rivers and Sea are Cultural RESOURCES and not a commodity.

Development is Conservation oriented (and vice versa) and Ecologically appropriate

All existing buildings, including 20th C buildings are resources for their embodied energy and must be put to appropriate use and not demolished.

Citizens are co-participants in shaping the future of the country.

All built environment professionals: Planners, Architects and Engineers, and allied-Builders, Developers, Hoteliers etc. need to work together to facilitate the process and take more ownership of the role of custodianship.

THANK YOU

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