

DesignPresentationBoard1

Squaring The Circle

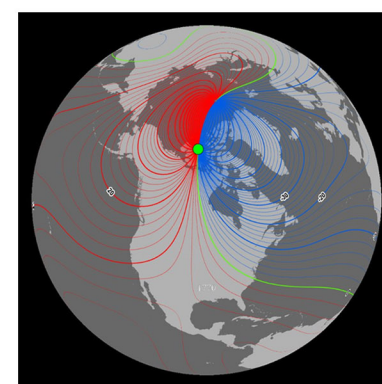
Urban Confluence Competition Prposal

CONTEXT

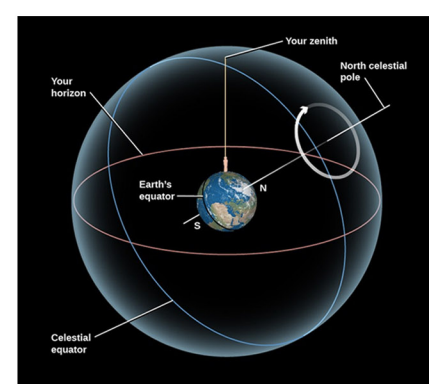
Every iconic monument celebrates a culture in time, while all monuments are Trojan horses that excite our innate anthropocentrism. This proposal is a living monument for public use in exploring our forever accelerating double edged pursuit at the frontiers of knowledge, technology, and our wellbeing.

IDENTITY

The simplest identity for a Confluence Architecture is its alignment with the site's magnetic declination (e.g., 13.15° E. 2020), which tells us the where and when of its location on Earth, while our Earth's celestial axis locates it within the cosmos. This is an easily relatable identity for anyone, everywhere.



Magnetic Declination of past 50 years. (NOAA Image)



Earth's spin axis on celestial poles. (LUMEN Image)



Spin axis View. (ESO/Octob. Bontina Image)

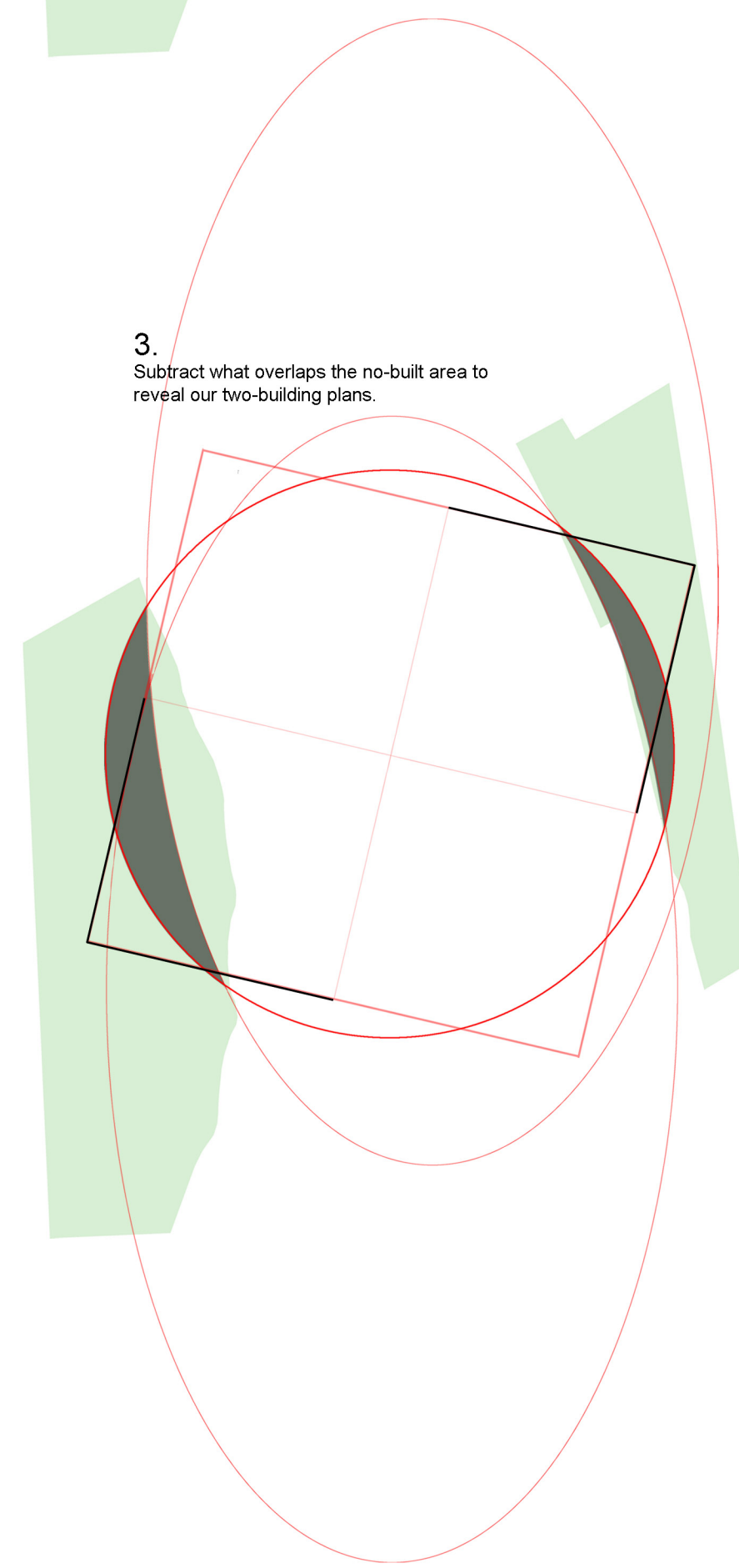
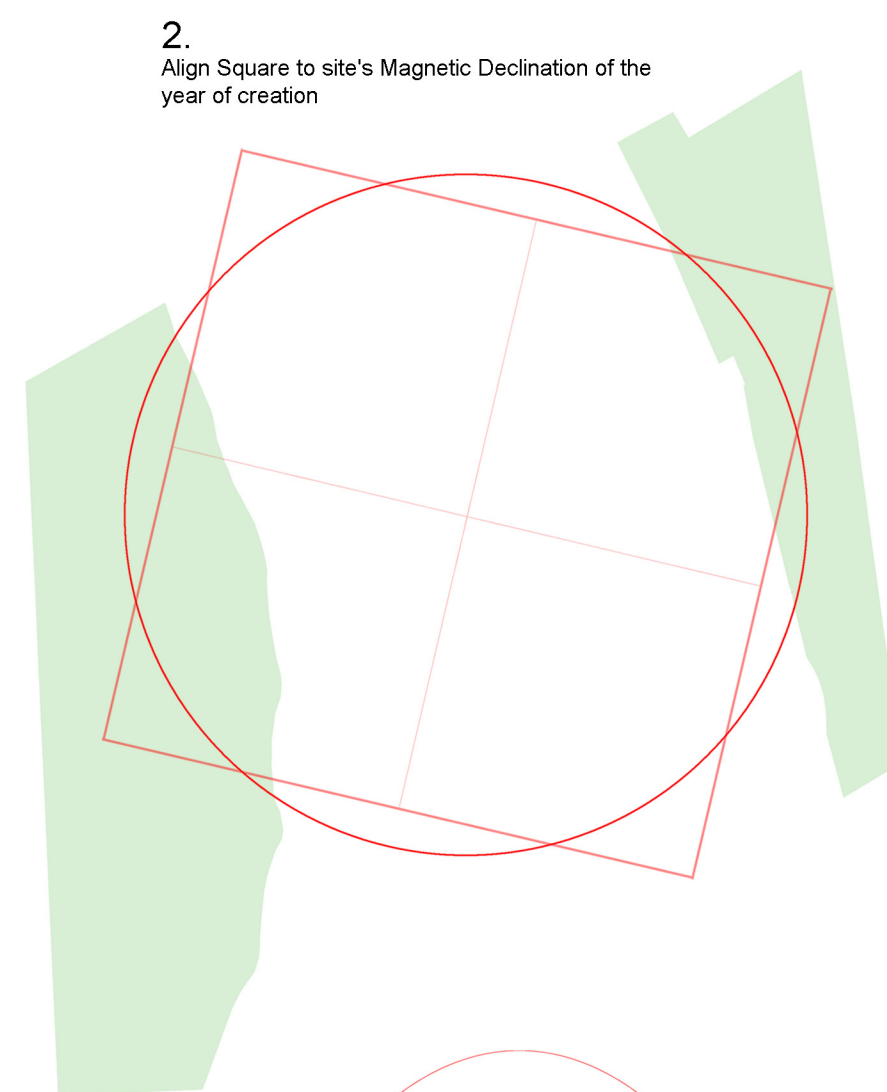
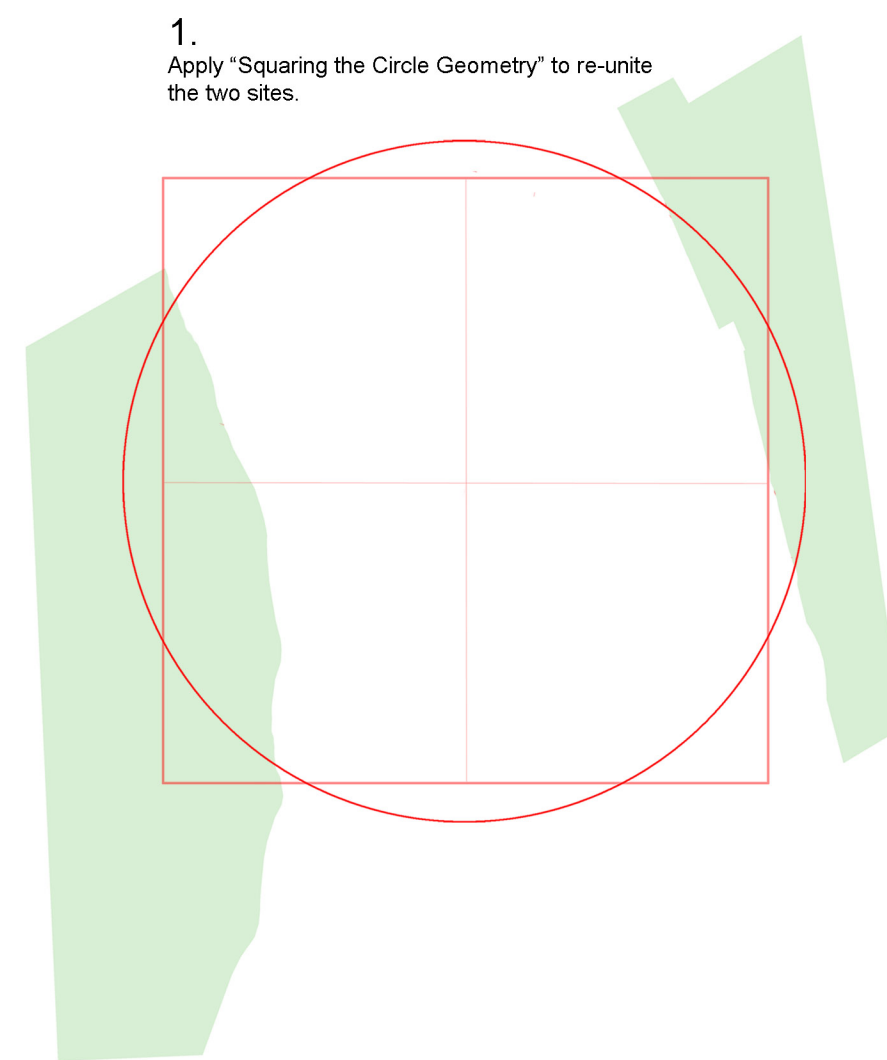
LAYOUT

Reference Plans and Elevation on the right.

1. Apply "Squaring of the Circle Geometry" to re-unite the two given sites.
2. Align the Square to the site's Magnetic Declination, for the year of its creation.
3. Subtract what overlaps the no-build area to reveal our two-building plans.
4. Assign buildings' floor-plans to Circle and roof-ridges to Square, then the buildings' elevation will curve up effortlessly, as it squares the circle.

DIMENSIONS:

CIRCLE: $\emptyset = 660$ ft., $C = 2073.451$ ft., Area = 342119.44sq.ft.
 SQUARE: Edge = 584.91 ft., Perimeter = 2339.639 ft., Area = 342119.44sq.ft.
 CRESCENTS' INNER EDGE GUIDE: 660' X 1320'
 WEST BUILDING FOOTPRINT: 20,700 sq.ft. (approx)
 EAST BUILDIGN FOOTPRINT: 9,000 sq.ft. (approx)
 L-SHAPE ROOF RIDGE (Typical for both buildings): 292.45 ft. x 292.45 ft.
 BOTH BUILDINGS' ELEVATION HEIGHT: 100'0"

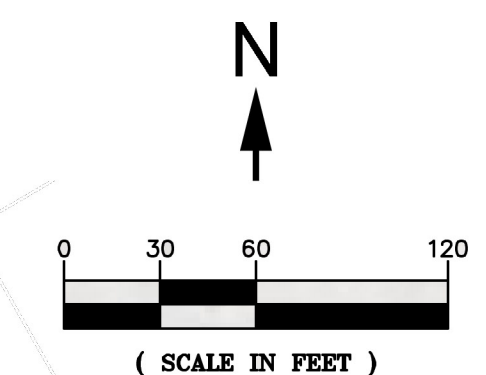


SITE PLAN, Scale 1"=60'0"



4. Assign buildings' floor-plans to Circle and roof-ridges to Square, then the buildings' elevation will curve up effortlessly, as it squares the circle.

SOUTH ELEVATION, Scale 1"=60'0"



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FUNCTION

The two given sites are perfect for hosting our double-edged focus inquiries.

1. The West building will offer indoor spaces for all cutting edge inquiries and experiments, with cafes and other amenities extending eastward outdoor. The land west of it is open to ecological and environmental land use researches and experiments.
2. The East building is an audio-radio-silent empty space without designation. The outdoor area is earthed land with simple paths. Planting is left to the courtesy and mercy of its micro-climate, and the surrounding environment that brings insects, birds, and animals.

GLOW

An architecture-wide Glow is hosted at the West Building. (Reference renderings and notes.) Three layers of live data streams (readily detectable by TV antenna and simple sensors) will evolve the Glow.

1)A gently fluctuating black and white Light Field is driven by the Cosmic Microwave Background Radiation (CMB), which is appropriately the faint glow from the Fiat Lux moment of the Big Bang that sparked space-time itself into existence.

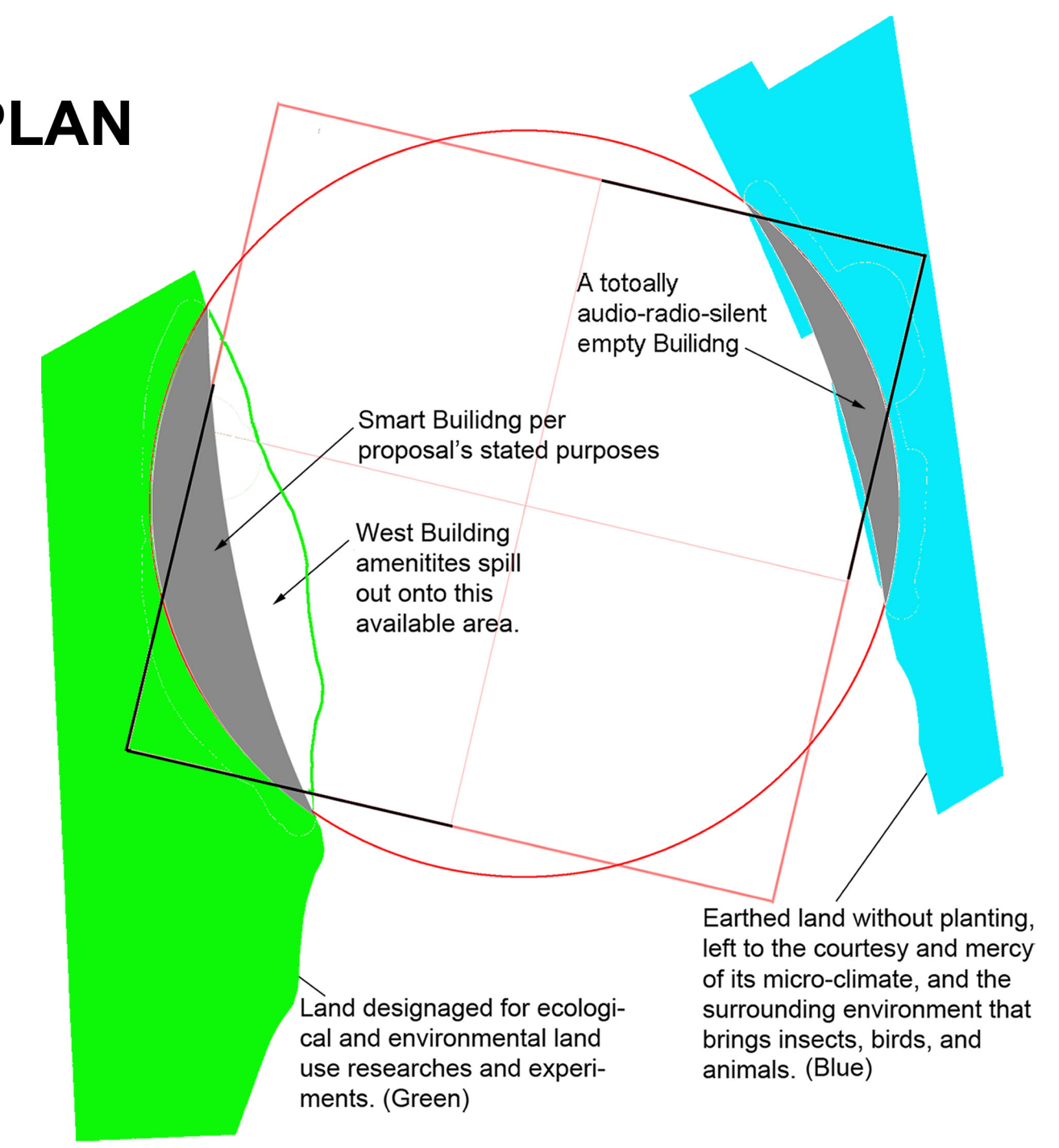
2)Atmospheric Electro-Magnetic signal stream from both natural and human sources, is driving subtle color accents emerging and dissolving in the light field.

3)Subtle geometric alignments of lights are driven by our human presence.

ENGAGEMENT

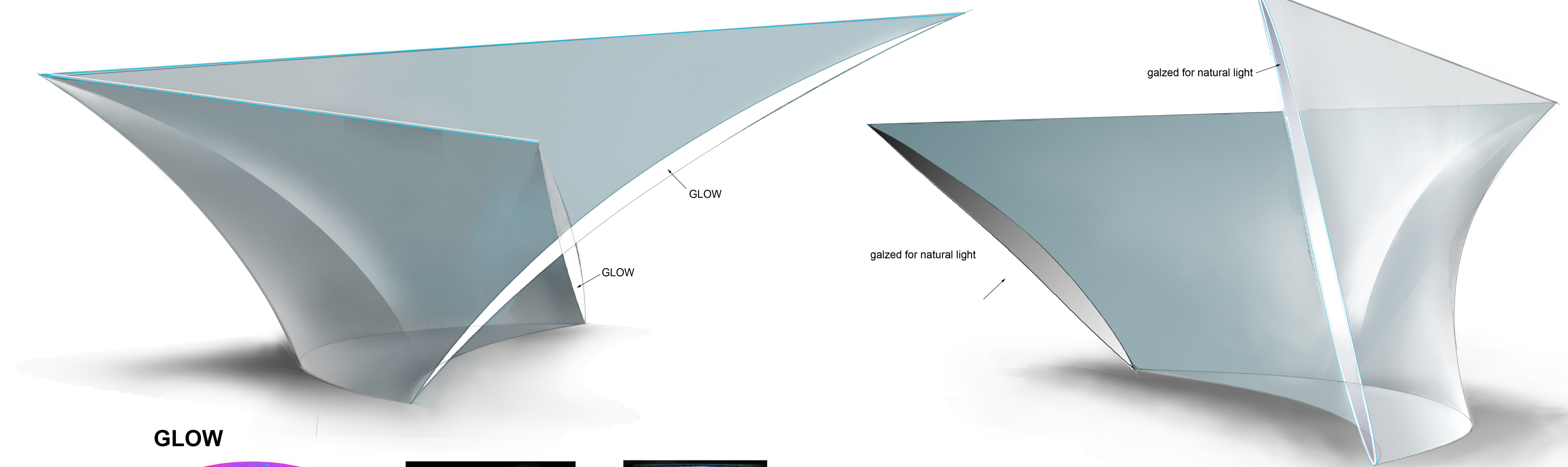
The public will become users, creators, collaborators at the Confluence, and will possibly be reprogramming the GLOW.

LAND USE LEGEND PLAN

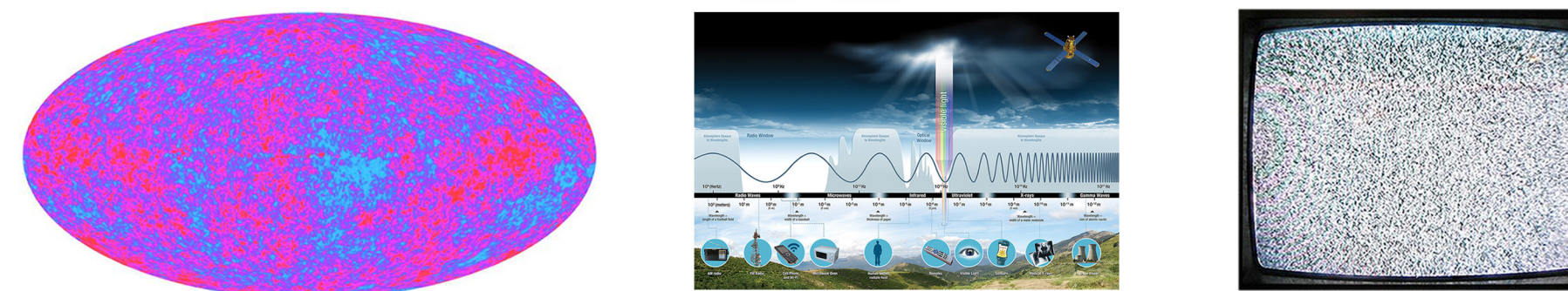


WEST BUILDING

To be developed into a fully functional smart building for the targetted uses as stated in the Proposal Statement.



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- 2) Atmospheric Electro-Magnetic signal stream from both natural and human sources, is driving subtle color accents emerging and dissolving in the light field.
- 3) Subtle geometric alignments of lights are driven by our human presence.

EAST BUILDING

A single volume of audio-radio-silent empty space, with no designated use. No utility, no amenities.