

Data.gov and the [World Bank](#) are joining forces to sponsor the second International Open Government Data Conference (IOGDC)

The IOGDC will gather policymakers, developers, and others with a keen interest in open government data to share lessons learned, stimulate new ideas, and demonstrate the power of democratizing data.

Track: The Art and Science of Data Visualization
Presentation: “From Bio3d Data Model to rPlanet”



THE WORLD BANK



OPEN DATA

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open development
technology alliance

Bio 3d Data Model

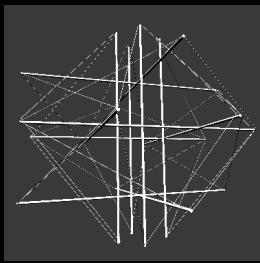


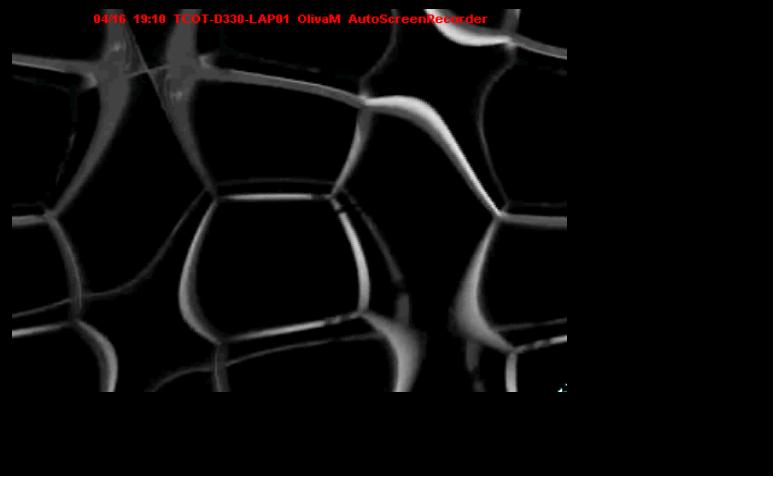
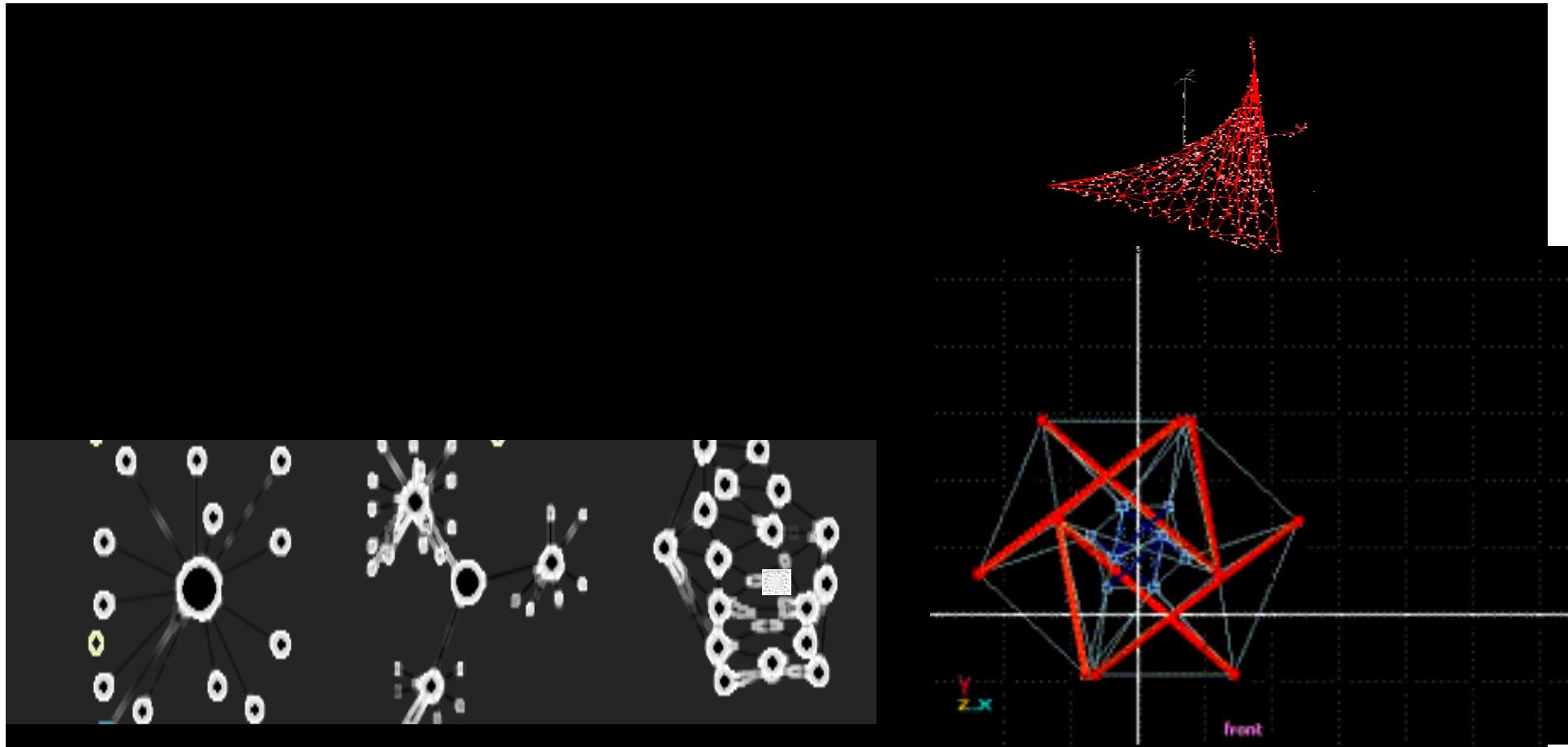
Marcela Oliva, Architecture Professor, Los Angeles Trade Technical College, (U.S.)

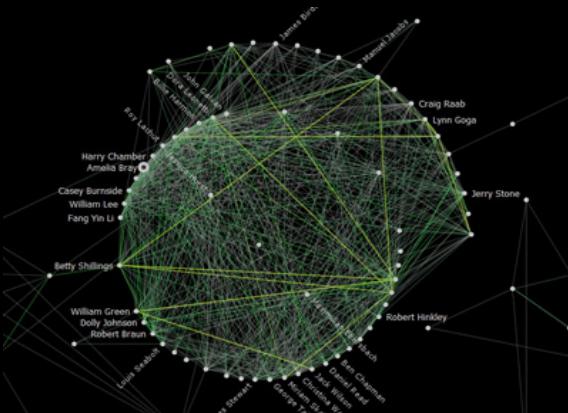
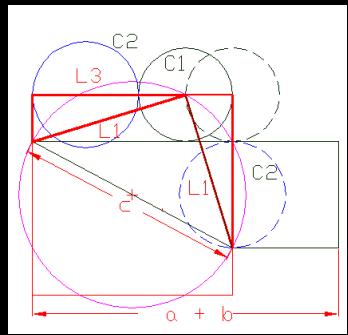
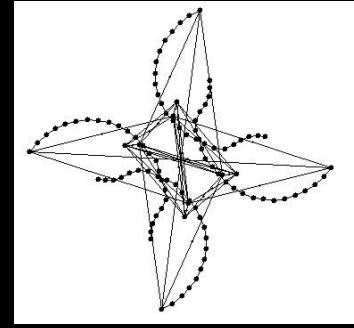
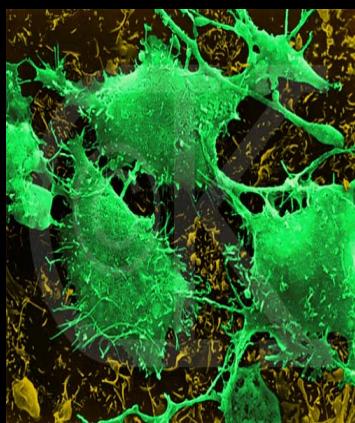
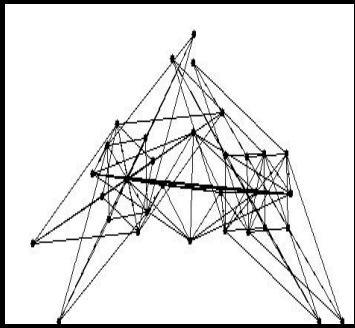
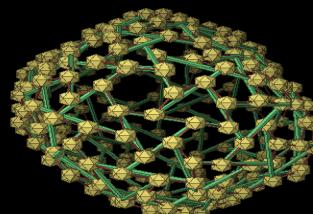
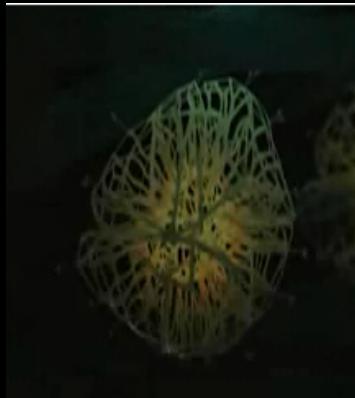
Michael Rendler AIA, Director e7 Architecture Studio (U.S.)

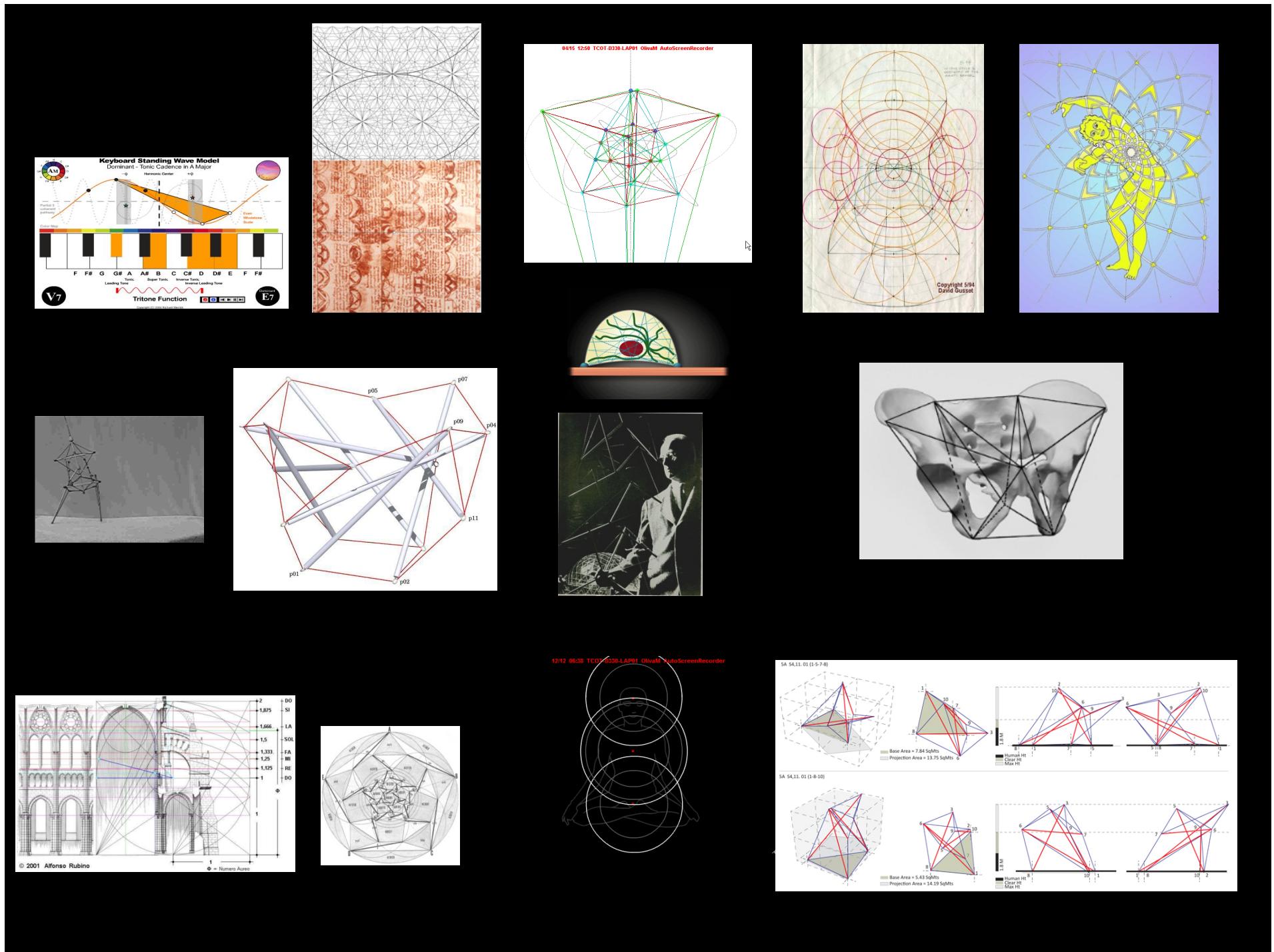
What is the Bio 3d Data MODEL?

Bio 3d Data Model









Bio 3d Data Model

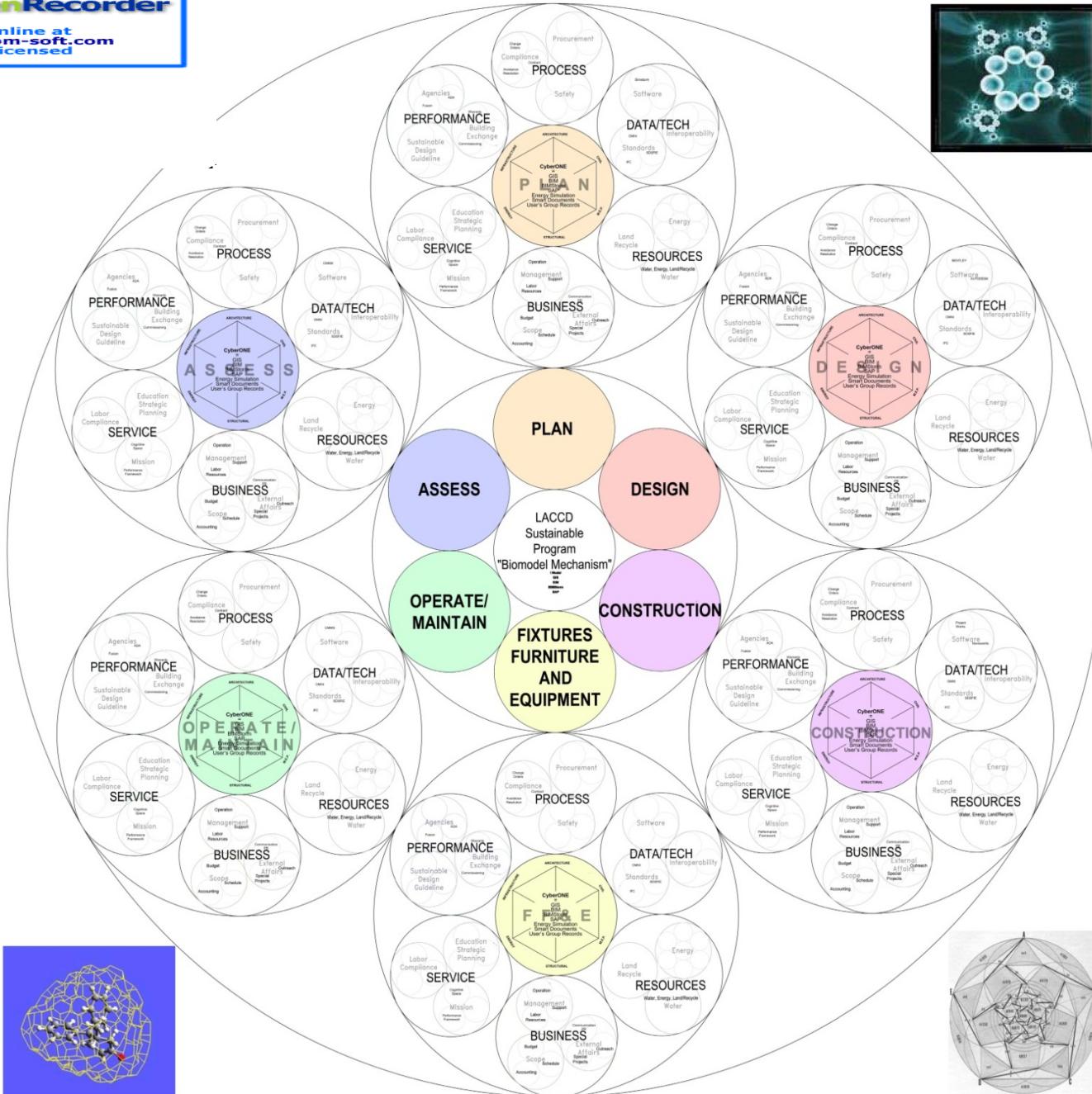


FOR

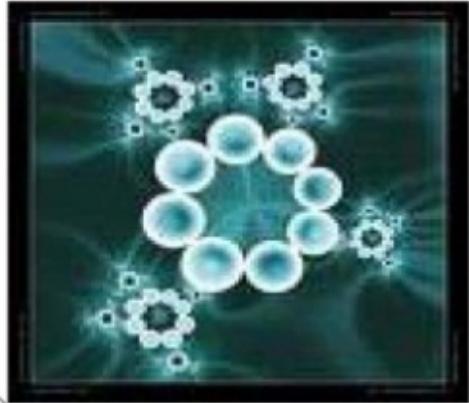
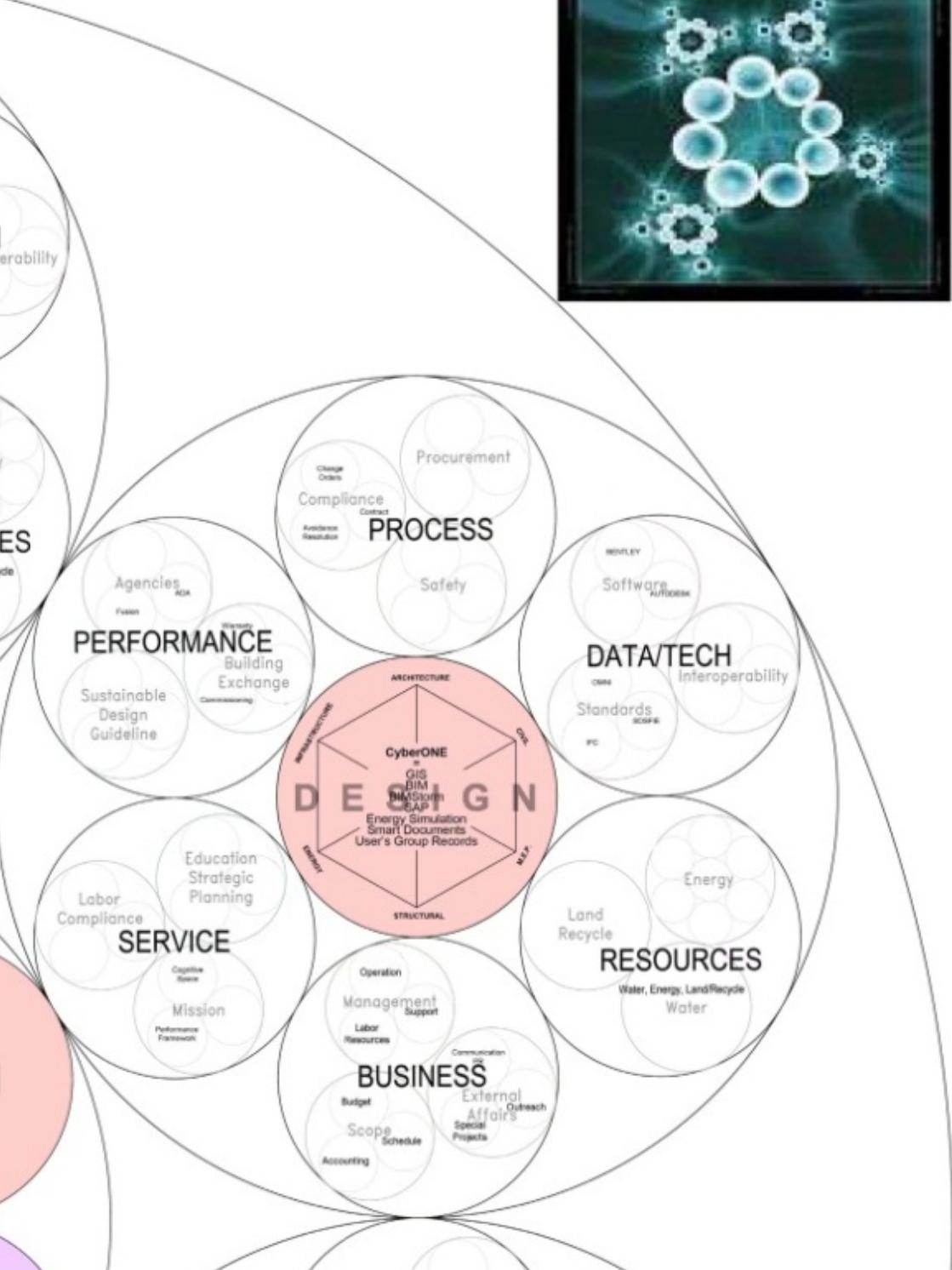
Life Cycle of Building/Campus/City
and
Federal Enterprise Architecture

innovation and collaboration. It is a strategy to improve performance, competitive advantage and continual improvement. The BioModel Mechanism facilitates sharing valuable insights, reducing redundant work, training time, retaining intellectual capital and adapting to changing environments of nature, education and economic demands.

09/16 18:24 PRECISION50 Marcela AutoScreenRecorder
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LACCD BioModel Mechanism is an organizing logic of our operation and it works as an enterprise within a lifecycle.

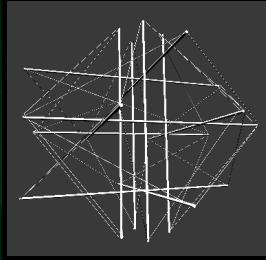


PROCEDURES

Data Standards

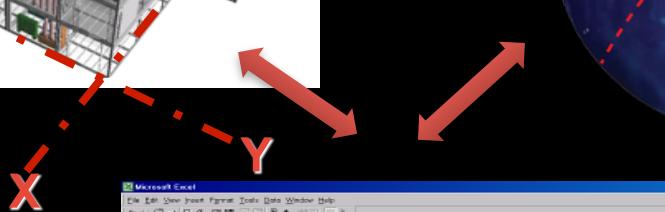
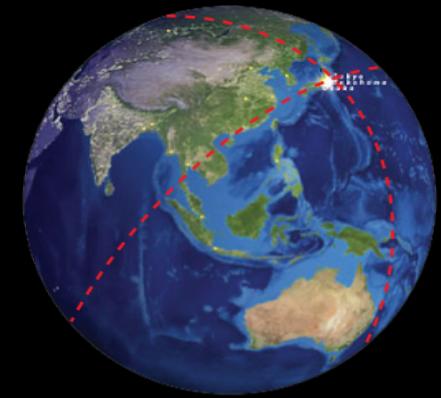
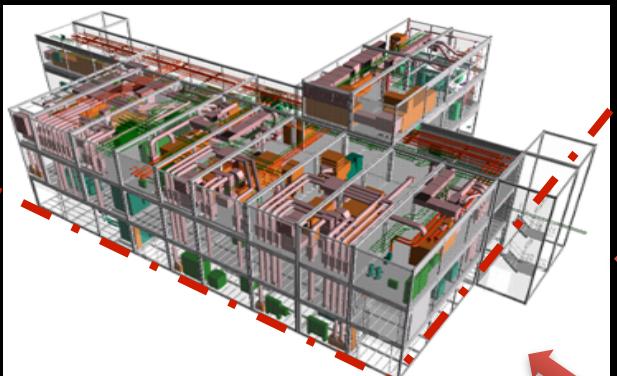
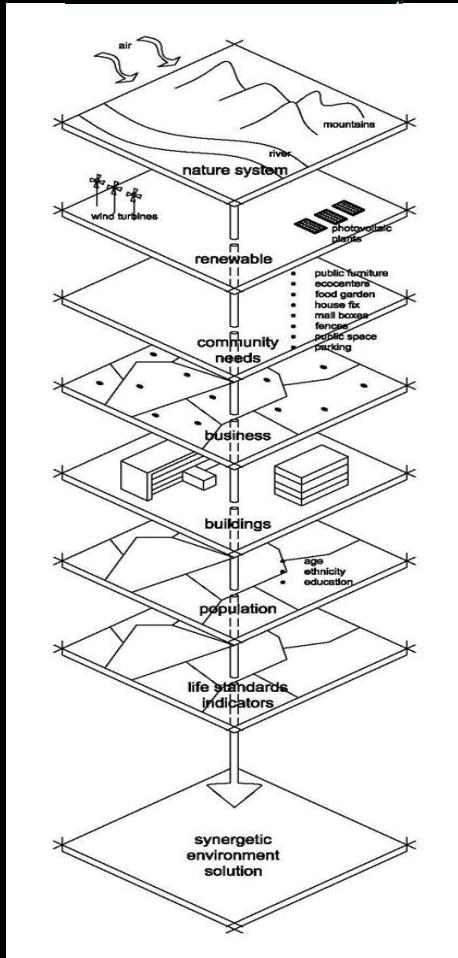
- FEA
- IFC
- NIBS BIM
- SDSFEI
- OMNI
- COBIE
- GSA Energy Guidelines
- GSA O&M

Bio 3d Data Model

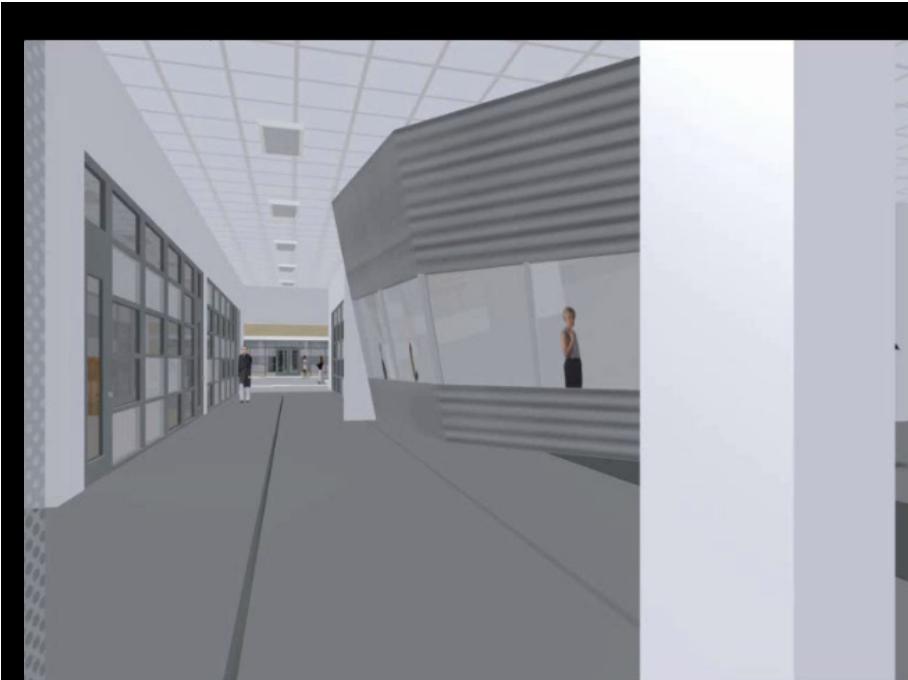


For
Visualization

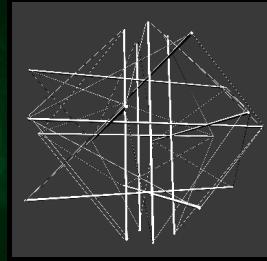
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A	B	C	D	E
23	095210	C T	Carpentry	Carpentry
22	095212	C T	Carpentry- Adjunct	Carpentry
23	095211	AA T	Carpentry- Adjunct	Carpentry
24	130510	AA T	Child Development Plan A	Child Development
25	130511	AA T	Child Development Plan B	Child Development
26	130512	C T	Preschool Teacher Option	Child Development
27	130513	C T	Teacher	Commercial Art
28	101901	AA T	Sign Graphics	Commercial Art
29	101901	C T	Sign Graphics	Commercial Art
30	101900	AA T	Visual Communications	Commercial Art
31	101900	C T	Visual Communications	Commercial Art
32	101900	AA T	Photography	Commercial Photography
33	101220	C T	Photography	Commercial Photography
34	070100	AS T	Computer Information Systems	Computer and Information Sciences, General
35	070100	C T	Computer Information Systems	Computer and Information Sciences, General
36	130621	AM T	Cooking	Cooking
37	300701	C T	Cooking	Cooking
38	130631	AM T	Baking Professional	Culinary Arts
39	130632	C T	Baking Professional	Culinary Arts
40	130633	AM T	Culinary Arts	Culinary Arts
41	130633	C T	Culinary Arts	Culinary Arts
42	094700	AS T	Diesel and Related Technology	Diesel Technology
43	094700	EE T	Diesel and Related Technology	Diesel Technology
44	094701	C T	Diesel and Related Technology- Adjunct	Diesel Technology
45	095225	EC T	Electrical Cable Splicer Apprenticeship	Electrical
46	095227	EC T	Electrical Construction & Maintenance- Construction Tech	Electrical
47	095227	AM T	Electrical Construction & Maintenance Tech	Electrical
48	095221	AS T	Electrical Construction and Maintenance	Electrical
49	095221	C T	Electrical Construction and Maintenance	Electrical
50	095222	C T	Electrical Lineman Apprenticeship	Electrical
51	093401	AS T	Electronics Construction	Electronics and Electric Technology
52	093401	C T	Electronics Construction	Electronics and Electric Technology
53	093401	C T	Electronics Construction	Electronics and Electric Technology



Bio 3d Data Model



For

Operation and Maintenance

View History Bookmarks Tools Help

http://www.e7studio.net:8008/mapguide2009/e7gis/portal_1.php

Google

GIS Portal

Welcome to e7 GIS | LACC Map

Print Zoom Search Tasks Test

Layers

- LOS ANGELES CITY COLLEGE
 - Buildings
 - Cadastre
 - Common
 - Flora
 - Improvement
 - Transportation
 - Utilities
 - utilities_natural_gas_system
 - utilities_storm_system
 - storm_sewer_fitting_point
 - storm_sewer_inlet_point
 - storm_sewer_junction_point
 - storm_sewer_line
 - utilities_wastewater_system
 - utilities_water_system

Project Menu

Projects

Select a project...

Utilities

Inventory Browser As-Builts Browser

Search Tools

Basic OmniClass SDSFIE

None Selected

Utility Building Franklin Hall

X: 6,473,245.35 Y: 1,854,360.81 (ft) 0 feature selected 1: 665.14 381.65 x 340.65 (ft)

CTRL + click to open link (.Jmap_tools/scripts)

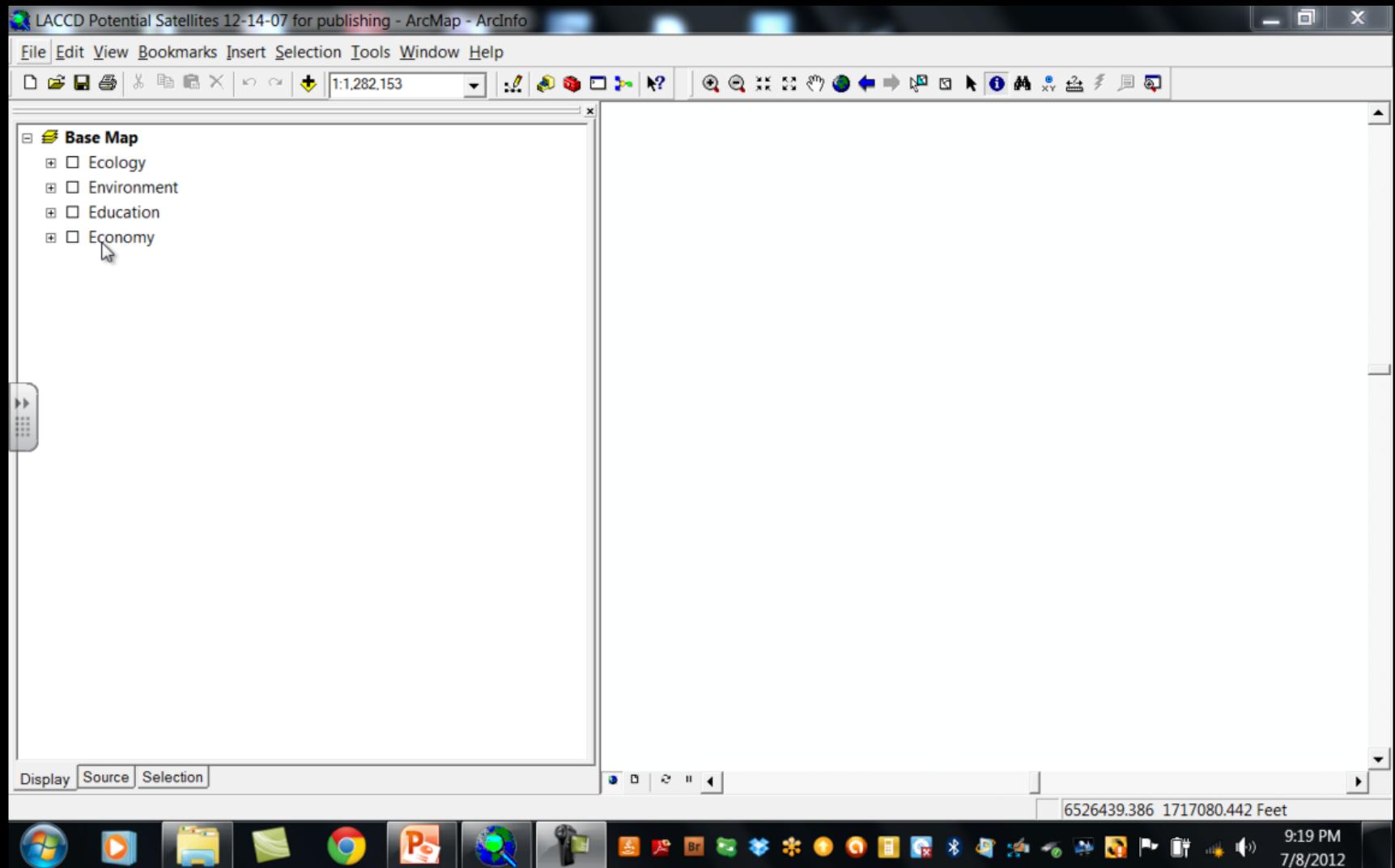
Help

Powered by MapGuide

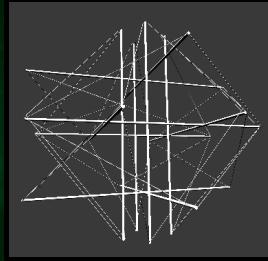
Bio 3d Data Model



For
Community College
Service

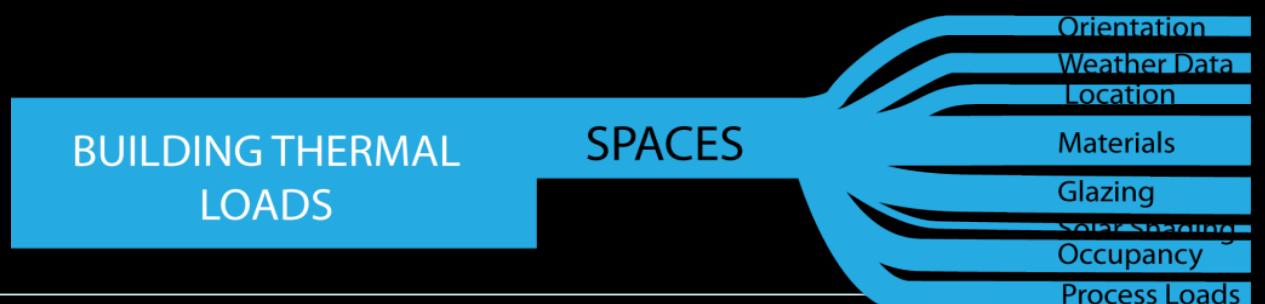


Bio 3d Data Model

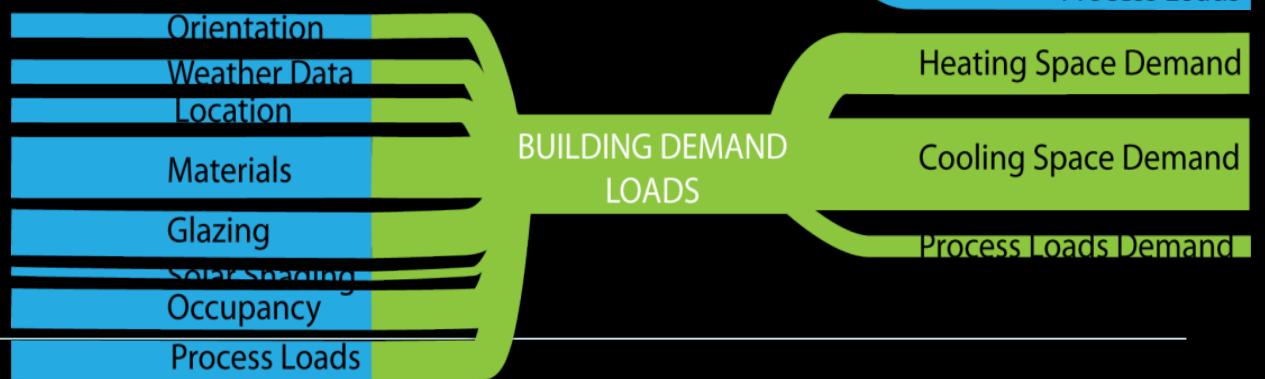


For Energy

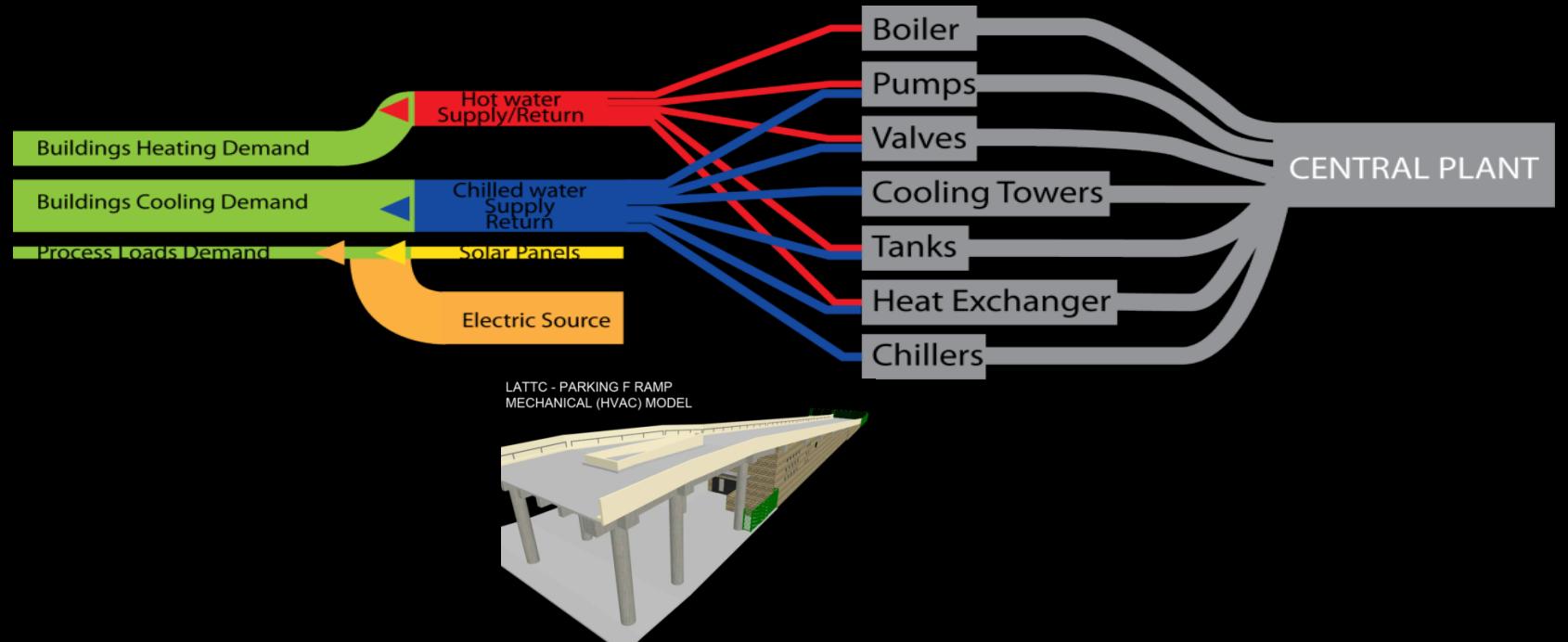
Thermal Loads:

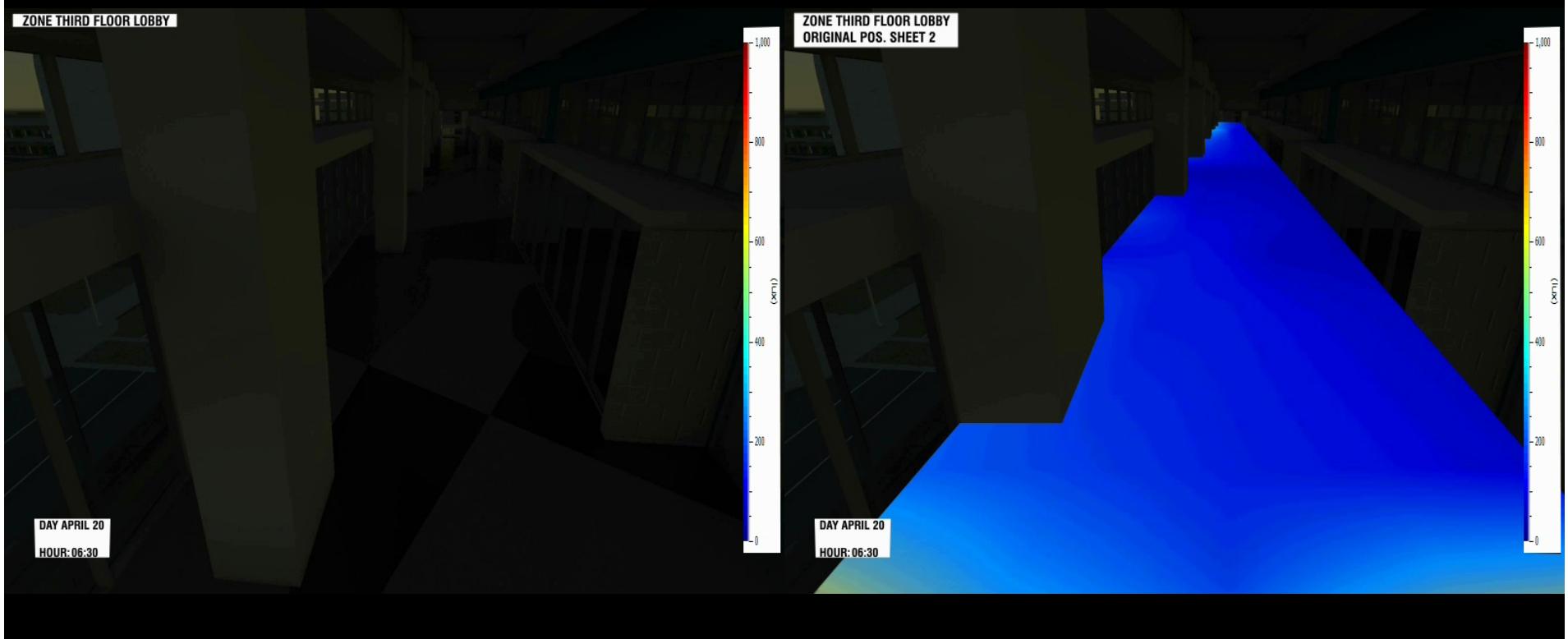
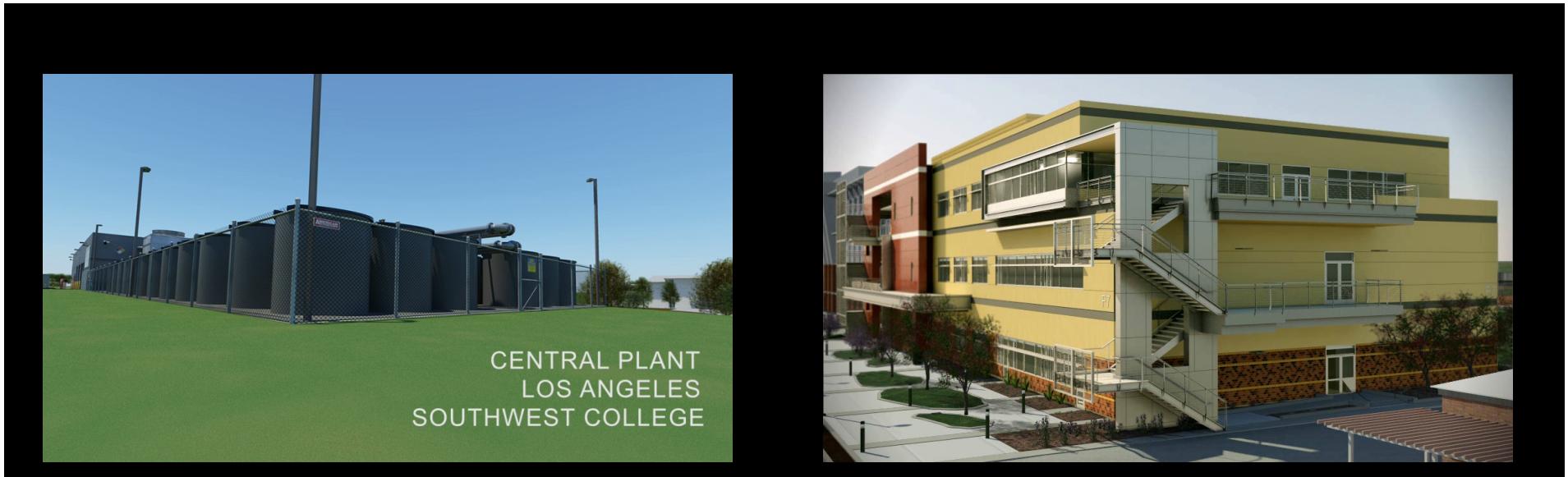


Demand Loads:



Central Plant

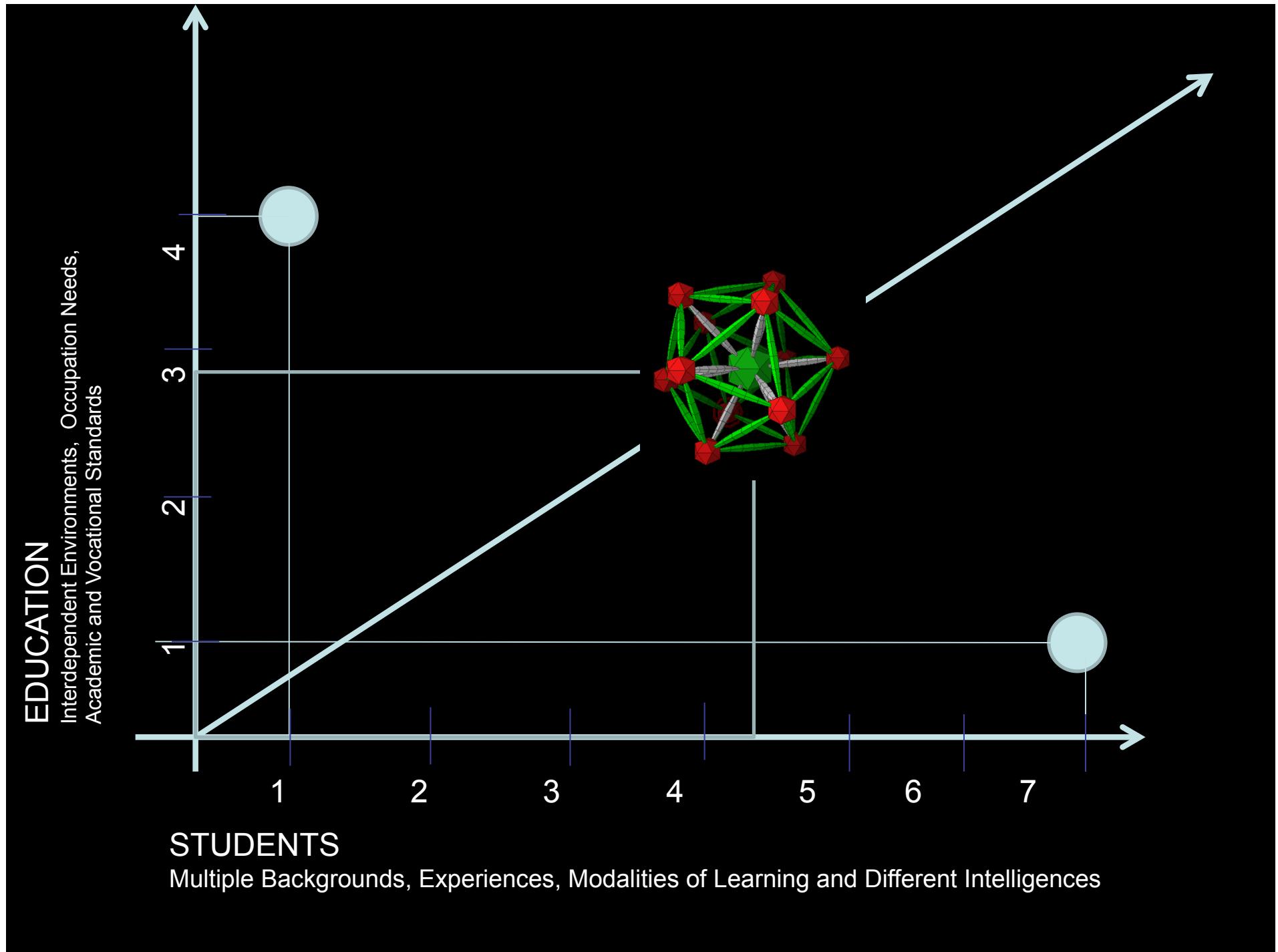




Bio 3d Data Model



For
Knowledge Worker



Bio 3d Data Model



TO r PLANET

Integrate all participants and stake holders

Interdependent environments –natural, ecological, human made

Innovate solutions for local needs in a global market

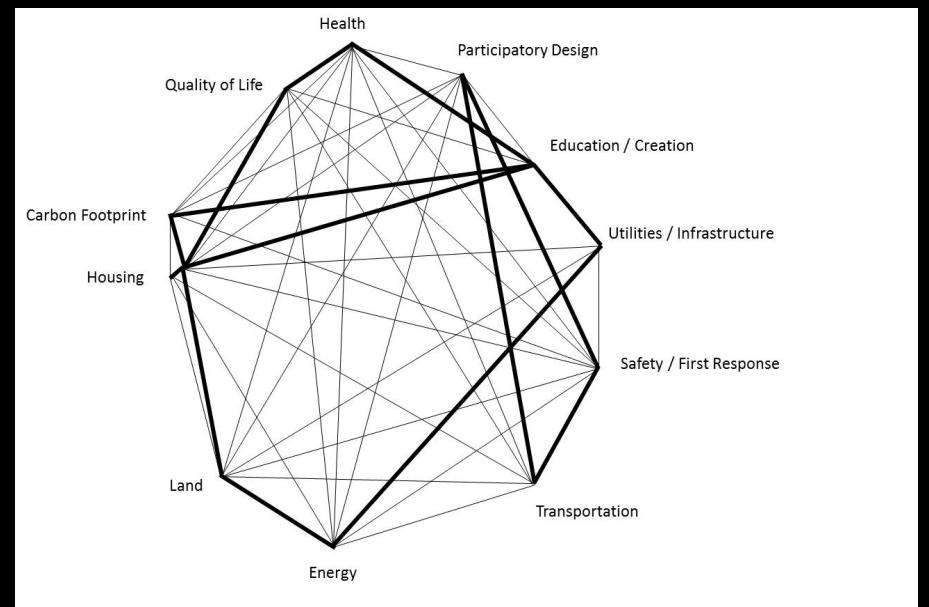
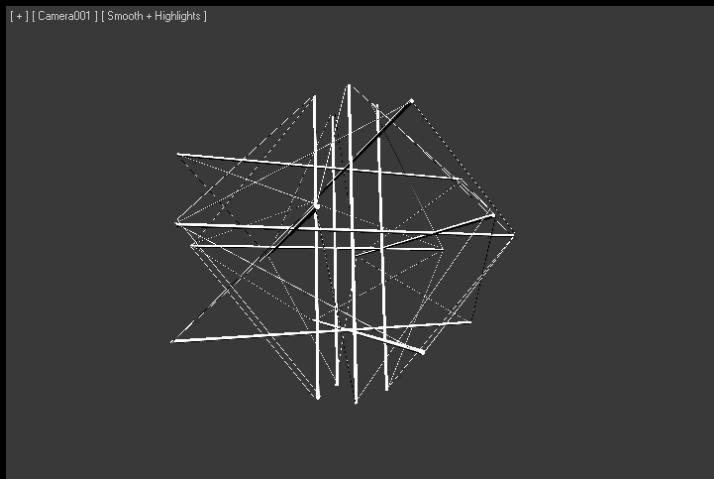
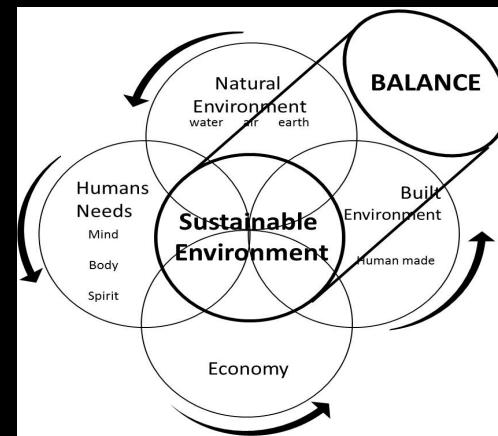
Intelligent solutions with self organizing systems

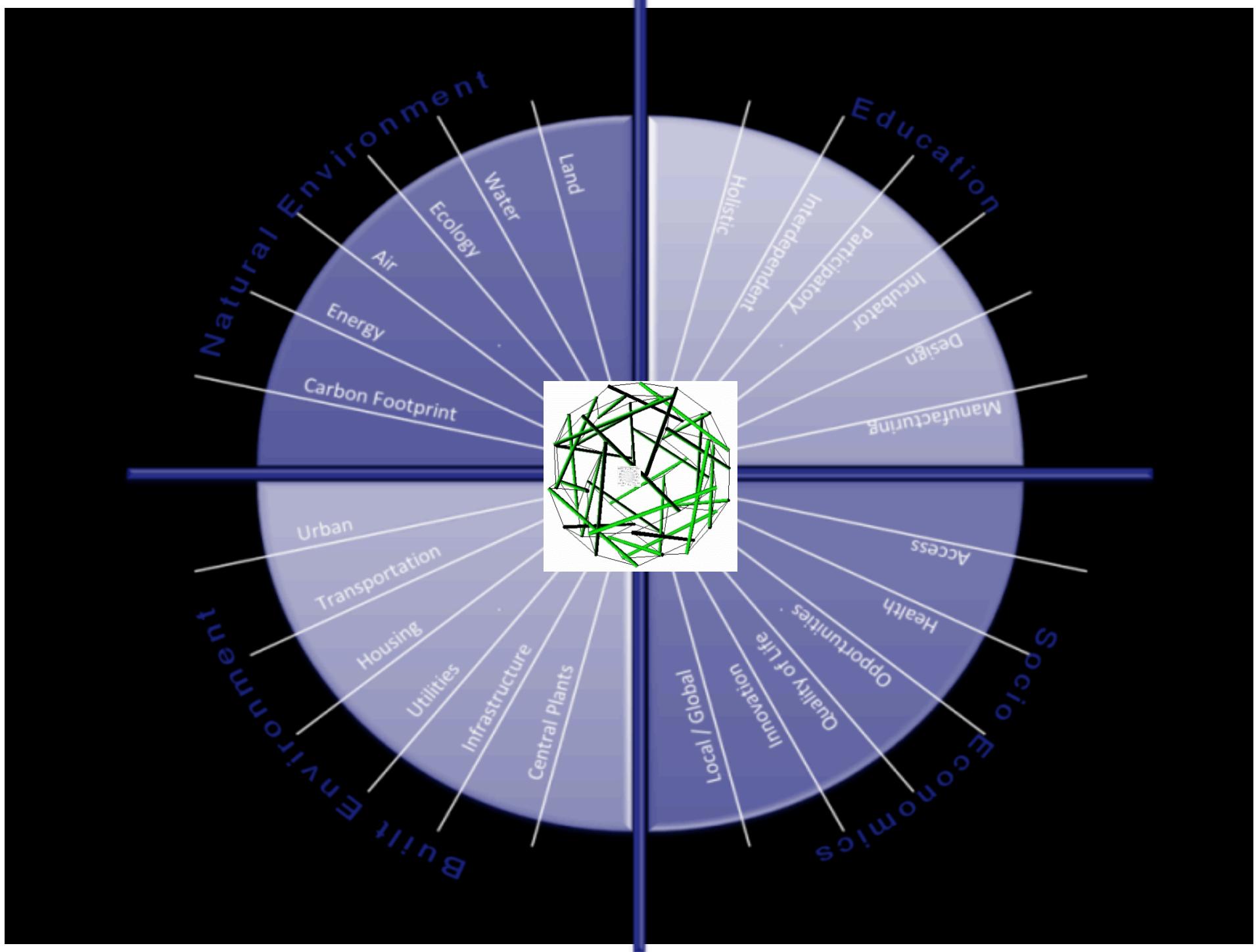
Interoperable spatial data

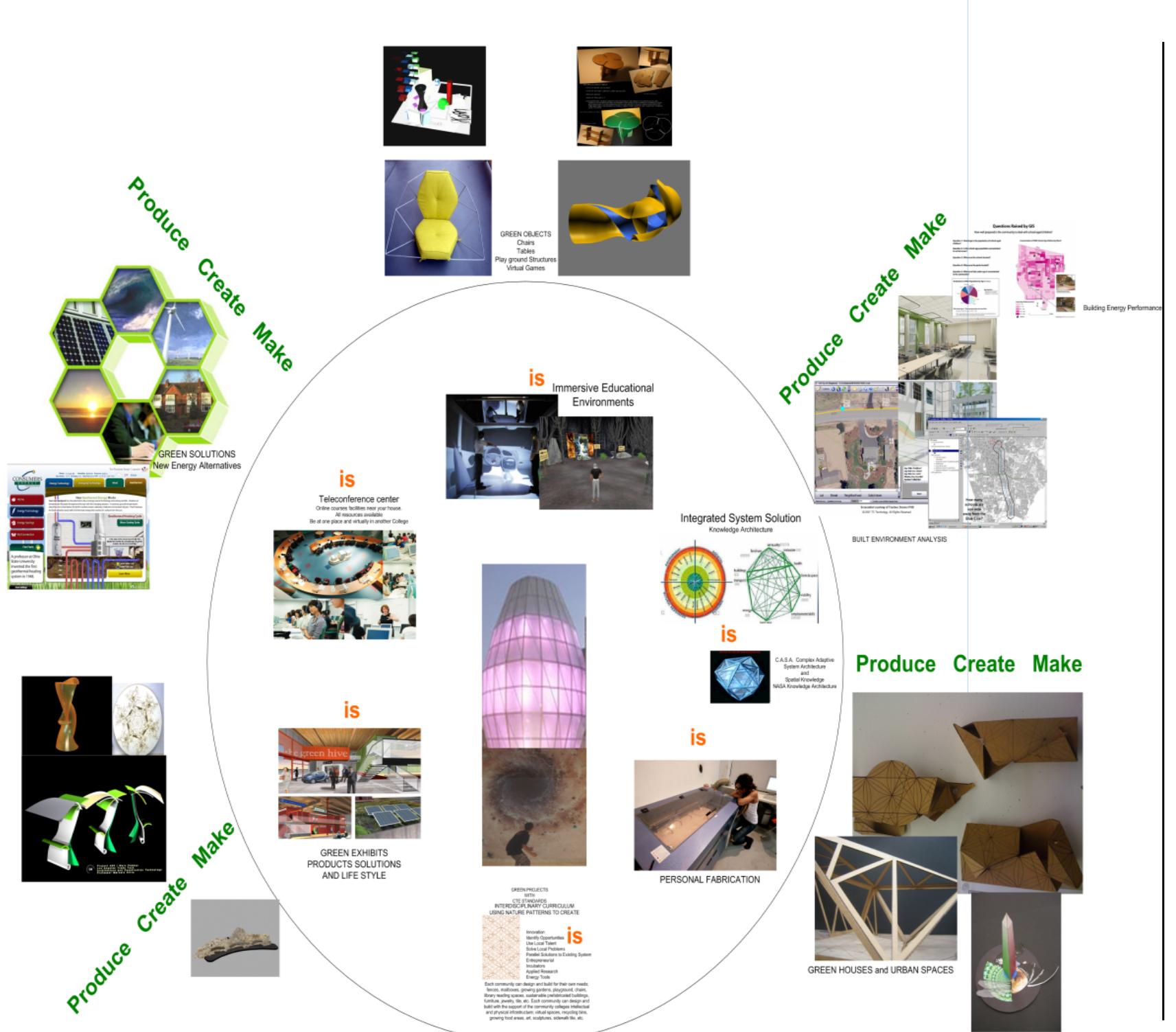
Interactive and real time education –skills, knowledge, talent

Information becomes knowledge and application

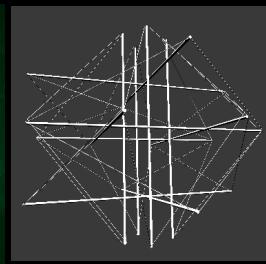
Improve life styles with catalytic rapid prototype and construction







Bio 3d Data Model



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