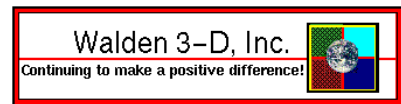


## OBJECTIVE & TERMS



To: Matt Nickerson and Robert Eves, SUU

From: H. Roice Nelson, Jr., Walden 3-D, Inc.

RE: Proposed Patent Application: Method to Integrate One-Word (64-Bit) Spatial, Temporal, Process, and Data Type Indices to Index any Data, Information, Knowledge, and Wisdom for easier Capture, Storage, and Retrieval.

### OBJECTIVES:

- SUU enters into a Confidentiality Agreement with Walden 3-D, Inc.
- SUU tests and proves W3D's Context Machine<sup>sm</sup> with on-going projects at SUU.
- SUU creates, copyrights, and puts in place or hires a third party to aggressively protect the copyrights of:
  - rectified Images, using the equidistant cylindrical projection, without and with Infinite Grid<sup>sm</sup> (IG) cell overlays for the Infinite Grid<sup>sm</sup> index;
  - basic Activity Model Images for the Knowledge Backbone<sup>sm</sup> index;
  - basic Temporal Interval Images for the TimeDex<sup>sm</sup> index; and
  - basic Data Model Images to define Entity-Relationships for the Data Type index.
- SUU applies for and pays for a patent, where the working title is: "Method to Integrate One-Word (64-bit) Spatial, Temporal, Process, and Data Type Indices to Index any Data, Information, Knowledge, and Wisdom for easier Capture, Storage, and Retrieval of the same."
- SUU enter into Confidential Agreements with groups participating in tests of the Context Machine<sup>sm</sup>.
- SUU establishes a secure Context Machine<sup>sm</sup> Repository for rectified, copyrighted images, and indexed Data, Information, Knowledge, and Wisdom.
- SUU licenses funded replicated secure Context Machine<sup>sm</sup> Repositories to other universities and industry.

### ANTICIPATED SUU GROSS RETURNS:

- SUU licenses Issued Patent(s) to other groups (\$25,000 for a project, \$100,000 for a College; \$500,000 for a University or Commercial Entity, with a 20% annual maintenance fee. Each license will include the tools and rights to put the purchaser's logo on each rectified component of Data, Information, Knowledge, and Wisdom entered into or displayed from Context Machine<sup>sm</sup> Repositories.
- SUU sell copyrighted images on-line (cents for each image - to - thousands of dollars for sets of images).
- SUU trains others to use and becomes known for the Data, Information, Knowledge, and Wisdom stored and retrievable from the SUU Secure Context Machine<sup>sm</sup> Repository.
- SUU Licenses copies of the secure Context Machine<sup>sm</sup> Repository to enable worldwide distributed access to rectified, copyrighted, and indexed Data, Information, Knowledge, and Wisdom to groups who also pay for required repository hardware, software, maintenance, and security.

### WHY ROICE NELSON IS OFFERING THIS OPPORTUNITY TO SUU:

- I'm 70 years old, and want to see as many of my ideas as possible documented and implemented, or at least on the path to being implemented, before I die, when my experience and ideas die with me.
- Our 10 children are each self-sufficient, and I am not interested in providing them with the challenges which always accompany a large inheritance.
- I have neither the capital nor the energy to go through the entrepreneurial start-up of a project this large.
- My Mom, Pauline H. Nelson, and Andrea's Dad, Morris Shirts, were major contributors to SUU becoming what it is today, and this is a way to get their portraits added among the portraits in The Great Hall.

### PROPOSED TERMS:

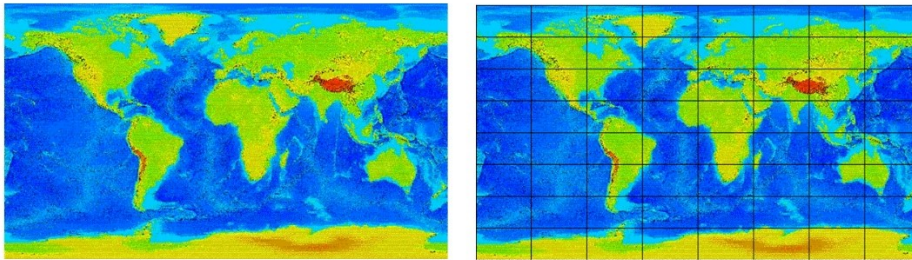
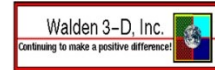
- SUU not apply for Grants to fund the Objectives. Rather, SUU makes the tests and patent application part of existing funding, even if it ends up taking a long time to complete the objectives outlined above. Grants have strings, and SUU needs to own the Context Machine<sup>sm</sup> outright, with no strings, to fulfill this vision.
- If tests go well, and if SUU funds the objectives, W3D will transfer all rights associated with the Context Machine<sup>sm</sup>, Infinite Grid<sup>sm</sup>, Knowledge Backbone<sup>sm</sup>, and TimeDex<sup>sm</sup> to SUU once the patent, "Method to Integrate One-Word (64-bit) Spatial, Temporal, Process, and Data Type Indices to Index any Data, Information, Knowledge, and Wisdom for easier Capture, Storage, and Retrieval of the same", is issued.

• CONFIDENTIAL INFORMATION •

- My experience is that if recipients do not pay for what they receive, they take the gift for granted. Therefore, I recommend our agreement include 20% of the Gross Sales, if there are any sales associated with this gift, be invested as a cost-of-sales as follows:
  - 10% of Gross Sales be paid to Howard Roice Nelson, Jr. or Andrea Shirts Nelson monthly until both of us die, upon which event this 10% of Gross Sales is transferred to (2) in perpetuity; and
  - the other 10% of Gross Sales be paid to Dr. Bill Wray's Milford Mineral Collection and future Institute in perpetuity.

**Example of Rectified Images, using the equidistant cylindrical projection, without and with Infinite Grid<sup>sm</sup> (IG) Cell overlays for the Infinite Grid<sup>sm</sup> index**

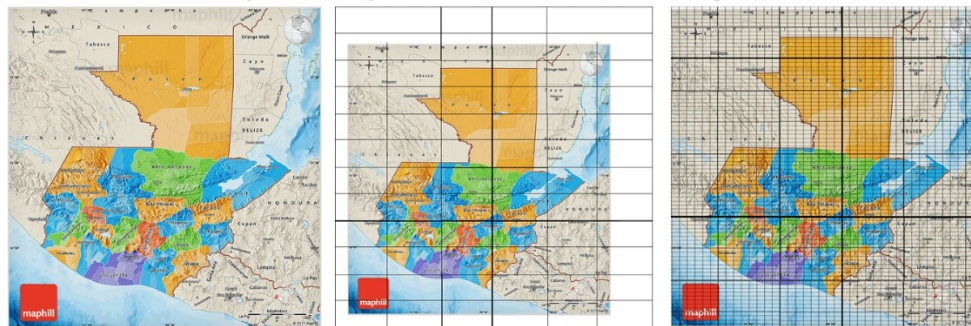
Example Infinite Grid<sup>sm</sup> Rectified Images IG1-IG6



IG1 without 8x8 grid, 45° x 22.5° @ 45° latitude, 2,206 miles x 1,548 miles per cell.

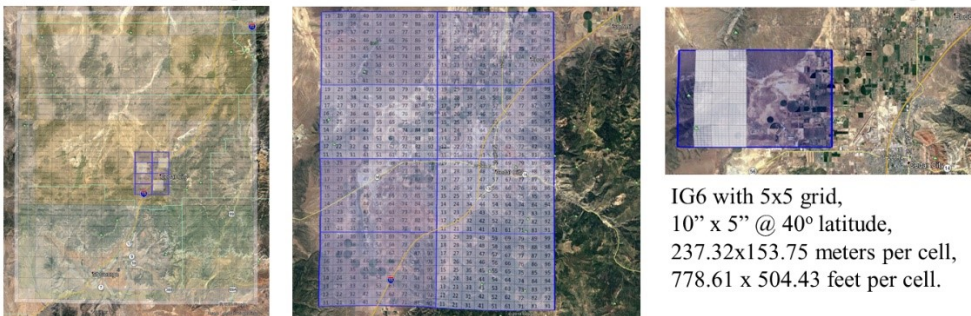


IG2 without and with 9x9 grid, 5° x 2.5° @ 45° latitude, 245 miles x 172 miles per cell US & Central America.



IG3 without and with 5x5 grid, 5° x 2.5° @ 45° latitude, 49.0 miles x 34.4 miles per cell.

IG4 with 8x8 grid, 7.5° x 3.75' @ 45° latitude, 6.13 miles x 4.30 miles per cell.



IG4 with 8x8 grid, 7.5° x 3.75' @ 40° latitude, 10,679.3x6,919 meters per cell.

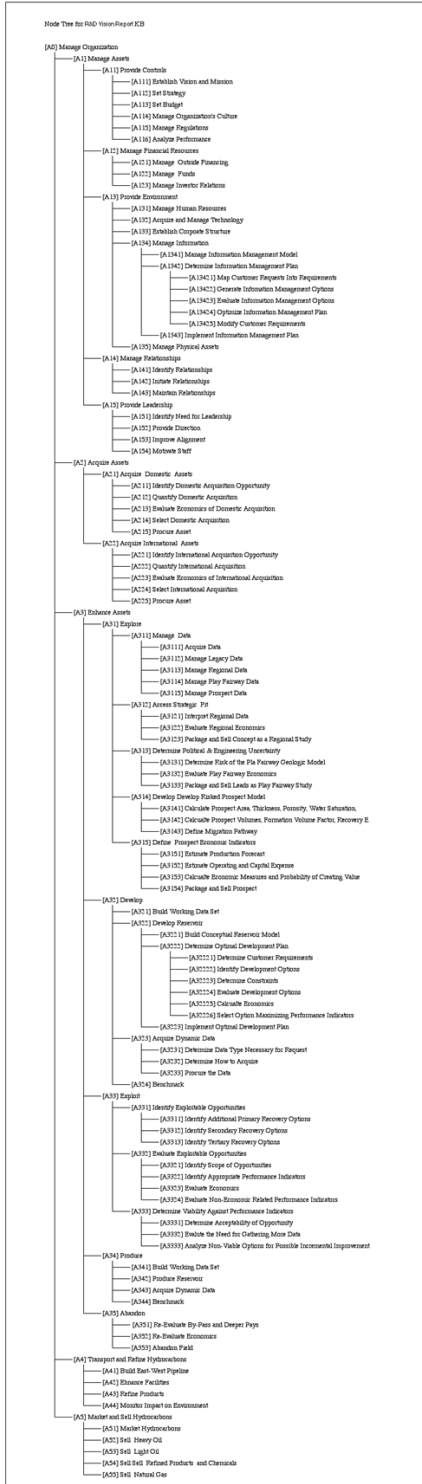
IG5 with 9x9 grid, 50'' x 25'' @ 40° latitude, 1,187x769 meters per cell.

IG6 with 5x5 grid, 10'' x 5'' @ 40° latitude, 237.32x153.75 meters per cell, 778.61 x 504.43 feet per cell.

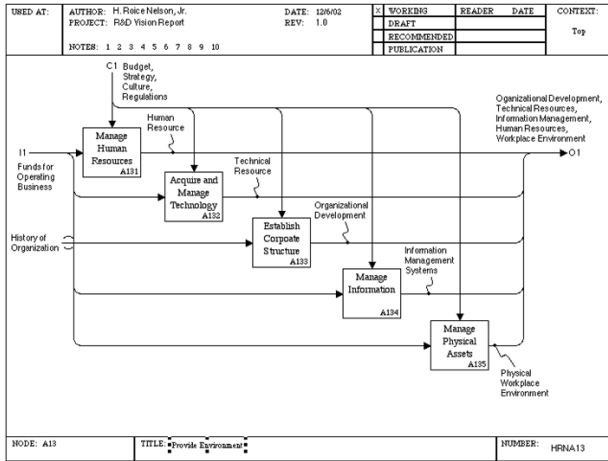
• CONFIDENTIAL INFORMATION •

Examples of Basic Activity Model Images for the Images for the Knowledge Backbone<sup>SM</sup> index

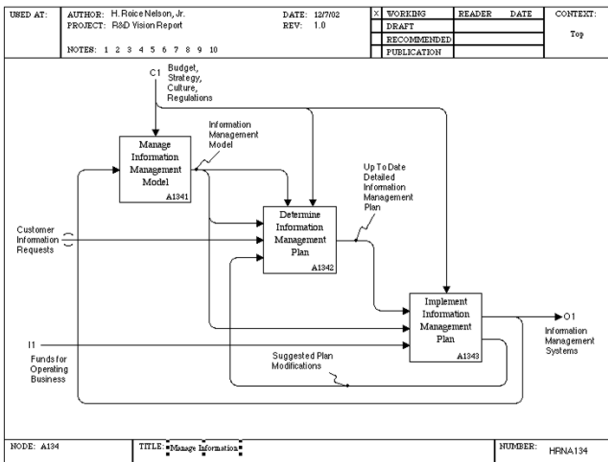
Example Knowledge Backbone<sup>SM</sup> Images



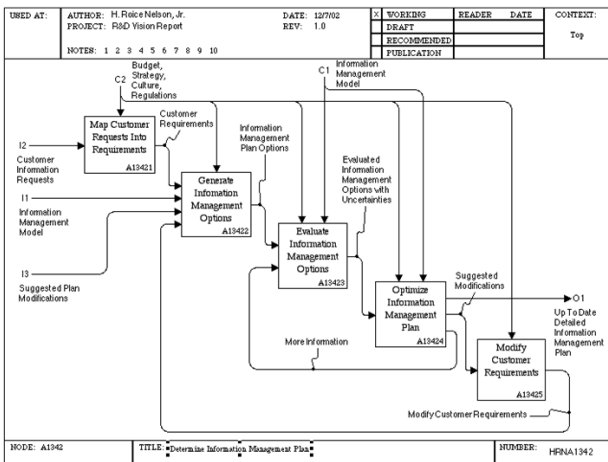
Node Tree Manage Organizations A0 - A55 Sell Natural Gas



A(Activity) 13 Provide Environments



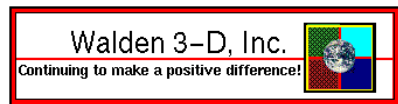
A(Activity) 134 Manage Information



A(Activity) 1342 Determine Information Management Plan

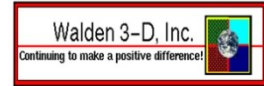
CONFIDENTIAL INFORMATION

OBJECTIVE & TERMS



Examples of Basic Temporal Interval Images for the TimeDex<sup>SM</sup> index

Example TimeDex<sup>SM</sup> Images



TimeDex				Geologic Time Scale										
European Age	From (Years)	(H) Human	To (Years)	American Age	Era	Period	Epoch	Age / Stage	From	(G) Geologic	To (MYA)	(G) Geologic	Duration	(D) Geologic
1 40	0	H00000000	40	Quaternary	Cenozoic	Quaternary	Quaternary	Holocene	0.000	G00000000	1.000	G00002000	1.000	D00002000
2 80	0	H00000010	80	Quaternary	Cenozoic	Quaternary	Quaternary	Pleistocene	1.000	G00002000	2.590	G00005130	1.590	D00003130
3 120	80	H00000020	120	Quaternary	Cenozoic	Quaternary	Quaternary	Kelasian	2.590	G00005130	3.000	G00006000	0.410	D00006000
4 160	120	H00000030	160	Pliocene	Cenozoic	Neogene	Pliocene	Piacenzian	3.000	G00006000	5.330	G000125100	2.330	D000095120
5 200	160	H00000040	200	Pliocene	Cenozoic	Neogene	Pliocene	Zanclean	5.330	G000125100	8.000	G00020000	2.670	D00015000
6 240	200	H00000050	240	Upper Miocene	Cenozoic	Neogene	Late Miocene	Messinian	8.000	G00020000	11.630	G00026000	3.630	D000073100
7 280	240	H00000060	280	Upper Miocene	Cenozoic	Neogene	Late Miocene	Tortonian	11.630	G00026000	13.820	G000325000	2.190	D000042760
8 320 (40 second blocks)	280	H00000070	320	Middle Miocene	Cenozoic	Neogene	Middle Miocene	Serravalian	13.820	G000325000	15.970	G00037260	2.150	D000042760
9 360	320	H00000080	360	Middle Miocene	Cenozoic	Neogene	Middle Miocene	Langhian	15.970	G00037260	20.440	G00050670	4.470	D000072760
10 400	360	H00000090	400	Lower Miocene	Cenozoic	Neogene	Early Miocene	Burdigalian	20.440	G00050670	23.330	G000560360	2.890	D000095130
11 440	400	H00000100	440	Lower Miocene	Cenozoic	Neogene	Early Miocene	Aquitanian	23.330	G000560360	28.100	G000720000	5.070	D000121600
12 480	440	H00000110	480	Oligocene	Cenozoic	Paleogene	Early Oligocene	Chattian	28.100	G000720000	33.900	G000836200	5.800	D000134540
13 520	480	H00000120	520	Oligocene	Cenozoic	Paleogene	Early Oligocene	Rupelian	33.900	G000836200	37.800	G001134540	3.900	D000167200
14 560	520	H00000130	560	Oligocene	Cenozoic	Paleogene	Early Oligocene	Präbaltian	37.800	G001134540	41.200	G01223100	3.400	D000167200
15 600	560	H00000140	600	Eocene	Cenozoic	Paleogene	Middle Eocene	Bartonian	41.200	G01223100	47.800	G01377840	6.600	D000151440
16 640	600	H00000150	640	Eocene	Cenozoic	Paleogene	Middle Eocene	Lutetian	47.800	G01377840	56.000	G01601000	8.200	D000203100
17 680	640	H00000160	680	Eocene	Cenozoic	Paleogene	Early Eocene	Ypresian	56.000	G01601000	59.200	G01671440	3.200	D000063100
18 720	680	H00000170	720	Paleocene	Cenozoic	Paleogene	Late Paleocene	Thanetian	59.200	G01671440	61.600	G01731440	2.400	D000046200
19 760	720	H00000180	760	Paleocene	Cenozoic	Paleogene	Middle Paleocene	Selandian	61.600	G01731440	66.000	G02100000	4.400	D000106200
20 800	760	H00000190	800	Paleocene	Cenozoic	Paleogene	Early Paleocene	Danian	66.000	G02100000	72.100	G02221440	6.100	D000141440
21 840	800	H00000200	840	Upper Cretaceous	Mesozoic	Cretaceous	Late	Maastrichtian	72.100	G02221440	83.600	G02471440	11.500	D000270000
22 880	840	H00000210	880	Upper Cretaceous	Mesozoic	Cretaceous	Late	Campanian	83.600	G02471440	86.300	G02524540	2.700	D000095130
23 920	880	H00000220	920	Upper Cretaceous	Mesozoic	Cretaceous	Late	Santonian	86.300	G02524540	89.800	G02634540	3.500	D000079000
24 960	920	H00000230	960	Upper Cretaceous	Mesozoic	Cretaceous	Late	Coniacian	89.800	G02634540	93.900	G02736200	4.100	D000101440
25 1000	960	H00000240	1000	Upper Cretaceous	Mesozoic	Cretaceous	Late	Troian	93.900	G02736200	100.500	G03110000	6.600	D000151440
26 1040	1000	H00000250	1040	Upper Cretaceous	Mesozoic	Cretaceous	Late	Senonian	100.500	G03110000	113.000	G03420000	12.500	D000310000
27 1080	1040	H00000260	1080	Lower Cretaceous	Mesozoic	Cretaceous	Early	Alban	113.000	G03420000	126.300	G03744540	13.300	D000324540
28 1120	1080	H00000270	1120	Lower Cretaceous	Mesozoic	Cretaceous	Early	Aptian	126.300	G03744540	139.800	G04054540	4.500	D000110000
29 1160	1120	H00000280	1160	Lower Cretaceous	Mesozoic	Cretaceous	Early	Barremian	139.800	G04054540	133.900	G04136200	3.100	D000061440
30 1200	1160	H00000290	1200	Lower Cretaceous	Mesozoic	Cretaceous	Early	Hauterivian	133.900	G04136200	139.400	G04286200	5.500	D000130000
31 1240	1200	H00000300	1240	Lower Cretaceous	Mesozoic	Cretaceous	Early	Valanginian	139.400	G04286200	145.000	G04420000	5.600	D000131440
32 1280	1240	H00000310	1280	Lower Cretaceous	Mesozoic	Cretaceous	Early	Berriasian	145.000	G04420000	152.100	G04615440	7.100	D000161440
33 1320	1280	H00000320	1320	Upper Jurassic	Mesozoic	Jurassic	Early	Tithonian	152.100	G04615440	157.300	G04724540	5.200	D000123100
34 1360	1320	H00000330	1360	Upper Jurassic	Mesozoic	Jurassic	Late	Kimmeridgian	157.300	G04724540	163.800	G04956000	6.500	D000143100
35 1400	1360	H00000340	1400	Upper Jurassic	Mesozoic	Jurassic	Late	Oxfordian	163.800	G04956000	166.100	G05114540	2.300	D000051440
36 1440	1400	H00000350	1440	Middle Jurassic	Mesozoic	Jurassic	Middle	Callovian	166.100	G05114540	168.300	G05204540	2.200	D000043100
37 1480	1440	H00000360	1480	Middle Jurassic	Mesozoic	Jurassic	Middle	Bathonian	168.300	G05204540	170.300	G0524540	2.000	D000040000
38 1520	1480	H00000370	1520	Middle Jurassic	Mesozoic	Jurassic	Middle	Bajocian	170.300	G0524540	174.100	G05341440	3.800	D000074540
39 1560	1520	H00000380	1560	Middle Jurassic	Mesozoic	Jurassic	Middle	Aalenian	174.100	G05341440	182.700	G05553100	8.600	D000211440
40 1600	1560	H00000390	1600	Lower Jurassic	Mesozoic	Jurassic	Early	Toarcian	182.700	G05553100	199.400	G05754540	8.100	D000201440
41 1640	1600	H00000400	1640	Lower Jurassic	Mesozoic	Jurassic	Early	Pliensbachian	199.400	G05754540	199.300	G06164540	8.500	D000210000
42 1680	1640	H00000410	1680	Lower Jurassic	Mesozoic	Jurassic	Early	Sinemurian	199.300	G06164540	201.300	G06224540	2.000	D000040000
43 1720	1680	H00000420	1720	Lower Jurassic	Mesozoic	Jurassic	Early	Ettingian	201.300	G06224540	209.500	G06430000	8.200	D000203100
44 1760	1720	H00000430	1760	Upper Triassic	Mesozoic	Triassic	Late	Rhettian	209.500	G06430000	228.400	G07105200	18.900	D000456200
45 1800	1760	H00000440	1800	Upper Triassic	Mesozoic	Triassic	Late	Norian	228.400	G07105200	237.000	G07200000	8.600	D000211440
46 1840	1800	H00000450	1840	Upper Triassic	Mesozoic	Triassic	Late	Carnian	237.000	G07200000	241.500	G07300000	4.500	D000110000
47 1880	1840	H00000460	1880	Middle Triassic	Mesozoic	Triassic	Middle	Ladinian	241.500	G07300000	247.100	G07541440	5.600	D000141440
48 1920	1880	H00000470	1920	Middle Triassic	Mesozoic	Triassic	Middle	Anisian	247.100	G07541440	250.000	G07640000	2.900	D000056200
49 1960	1920	H00000480	1960	Middle Triassic	Mesozoic	Triassic	Middle	Olenekian	250.000	G07640000	252.200	G07703100	2.200	D000043100
50 2000	1960	H00000490	2000	Lower Triassic	Mesozoic	Triassic	Early	Induan	252.200	G07703100	254.200	G01013100	2.000	D000040000
51 2040	2000	H00000500	2040	Upper Permian	Paleozoic	Permian	Lopingan	Khangshingian	254.200	G01013100	259.800	G01023450	5.600	D000131440
52 2080	2040	H00000510	2080	Upper Permian	Paleozoic	Permian	Lopingan	Wuchiapingian	259.800	G01023450	265.100	G01031440	5.300	D000124540
53 2120	2080	H00000520	2120	Upper Permian	Paleozoic	Permian	Wuchiapingian	Capitanian	265.100	G01031440	272.300	G01054540	7.200	D000163100
54 2160	2120	H00000530	2160	Upper Permian	Paleozoic	Permian	Wuchiapingian	Guadalupian	272.300	G01054540	279.300	G01072450	7.000	D000160000
55 2200	2160	H00000540	2200	Lower Permian	Paleozoic	Permian	Cisuralian	Kungurian	279.300	G01072450	290.100	G01120440	10.800	D000254540
56 2240	2200	H00000550	2240	Lower Permian	Paleozoic	Permian	Cisuralian	Artinskian	290.100	G01120440	295.500	G011330000	5.400	D000126200
57 2280	2240	H00000560	2280	Lower Permian	Paleozoic	Permian	Cisuralian	Sakmarian	295.500	G011330000	298.900	G01146200	3.400	D000030200
58 2320	2280	H00000570	2320	Lower Permian	Paleozoic	Permian	Cisuralian	Asselian	298.900	G01146200	303.700	G011530000	4.800	D000115450
59 2360	2320	H00000580	2360	Pennsylvanian	Paleozoic	Carboniferous	Pennsylvanian Late	Late - Gzhelian	303.700	G011530000	307.000	G011620000	3.300	D000064540
60 2400	2360	H00000590	2400	Pennsylvanian	Paleozoic	Carboniferous	Pennsylvanian Late	Late - Kasimovian	307.000	G011620000	315.200	G012013100	8.200	D000203100
61 2440	2400	H00000600	2440	Pennsylvanian	Paleozoic	Carboniferous	Pennsylvanian Middle	Middle - Moscovian	315.200	G012013100	323.200	G012023100	8.000	D000209000
62 2480	2440	H00000610	2480	Mississippian	Paleozoic	Carboniferous	Mississippian Early	Early - Bashkirian	323.200	G012023100	339.900	G012416200	7.700	D000173100
63 2520	2480	H00000620	2520	Mississippian	Paleozoic	Carboniferous	Mississippian Late	Late - Serpukhovian	339.900	G012416200	346.700	G013013100	15.800	D000373100
64 2560	2520	H00000630	2560	Mississippian	Paleozoic	Carboniferous	Mississippian Middle	Middle - Viséan	346.700	G013013100	358.900	G013316200	12.200	D000303100
65 2600	2560	H00000640	2600	Mississippian	Paleozoic	Carboniferous	Mississippian Early	Early - Tournaian	358.900	G013316200	372.200	G013703100	13.300	D000324540
66 2640	2600	H00000650	2640	Upper Devonian	Paleozoic	Devonian	Devonian Late	Famennian	372.200	G013703100	382.700	G01413100	10.500	D000250000
67 2680	2640	H00000660	2680	Upper Devonian	Paleozoic	Devonian	Devonian Late	Frasnian	382.700	G01413100	387.700	G014213100	5.000	D000120000
68 2720	2680	H00000670	2720	Middle Devonian	Paleozoic	Devonian	Middle	Givetian	387.700	G014213100	393.30			

Examples of Basic Data Model Images to define Entity-Relationships for the Data Type index

Example Data Type Images

**Process (Knowledge Backbone<sup>SM</sup>)**

Data Type (Hypermedia E-R)

- [ER0](#) The Urban Machine
  - [ER1](#) Natural Systems
    - [ER11](#) Land Systems
    - [ER12](#) Water Systems
    - [ER13](#) Air Systems
    - [ER14](#) Energy Systems
  - [ER2](#) Political Systems
    - [ER21](#) Regions
    - [ER22](#) Nation / States
  - [ER3](#) Human Systems
    - [ER31](#) Sustainable Health Care
  - [ER4](#) Built Systems
    - [ER41](#) Sustainable Natural Environments
    - [ER42](#) Sustainable Urban Environments
    - [ER43](#) Sustainable Facilities
    - [ER44](#) ISO 14000 Standards
  - [ER5](#) Business Enterprises
    - [ER51](#) Sustainable Manufacturing
    - [ER52](#) Sustainable Products
    - [ER53](#) ISO 9000 Standards
  - [ER6](#) Sustainable Environments
    - [ER61](#) Natural Environments
    - [ER62](#) Human Environments
    - [ER63](#) Built Form Environments

Time (Timeindex<sup>SM</sup>)

**Location (Infinite Grid<sup>SM</sup>)**

Urban Planning Data Model

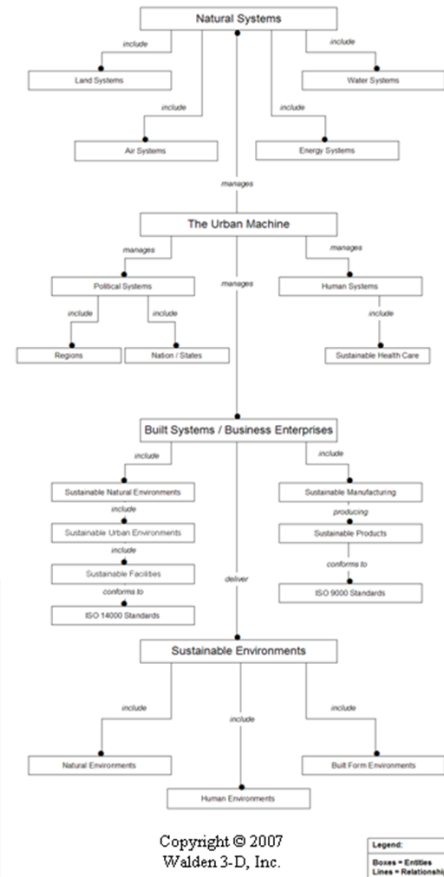
Type of Geological Displays	
A.	Outcrop
a.	Outcrop Synthetic Well Log Section
b.	Outcrop Synthetic Seismic Section
c.	Measured Section Correlation
d.	Outcrop Chronostratigraphic Reconstruction
B.	Well Log Cross-Section
a.	Well Data Synthetic Seismic Section
b.	Well Data Chronostratigraphic Reconstruction
C.	Well Core Data
D.	Seismic Sections
a.	Seismic Travel-Time Cross-Sections
b.	Seismic Time-Slice
c.	Seismic Depth Cross-Section
d.	Seismic Depth-Slice
e.	Seismic Chronostratigraphic Reconstruction
E.	Culture Map
F.	Topography Map
G.	Bathymetry Map
H.	Surface Geology Map
I.	Satellite Images
J.	Integrated 3-D Immersive Reality Model of Outcrop, Well Log, Seismic, and Other Data

Geological Display Types

Type of Media	
A.	Publications
a.	Books
b.	Magazines
c.	Newspapers
d.	Advertisements
B.	Papers
a.	Index Card (5"x8")
b.	Letter (8.5"x11")
c.	Legal (8.5"x14")
d.	Ledger (1"x17")
e.	Posters (arbitrary: e.g. 3'x4')
C.	Photo
a.	Positive
b.	Negative
c.	Digital
D.	Radio
a.	Broadcast
b.	Audio Recording
E.	Video
a.	Television
b.	Movies
F.	Social Media
G.	Messaging
H.	Digital Communities
a.	cell phones
b.	Internet
I.	Games
J.	Applications
K.	Public Speaking
L.	Art & Music
M.	Performances

Media Types

IDEF-1X Model



Urban Planning Data Model