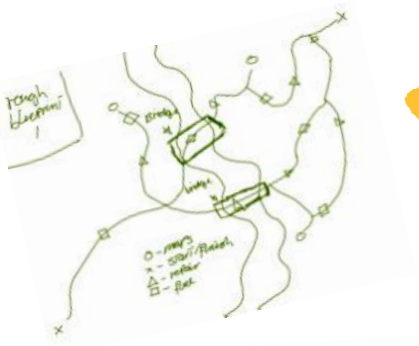
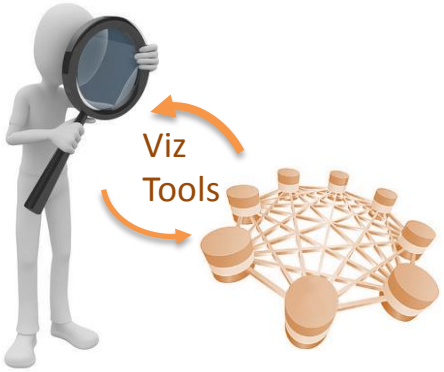
Knowledge Mapping



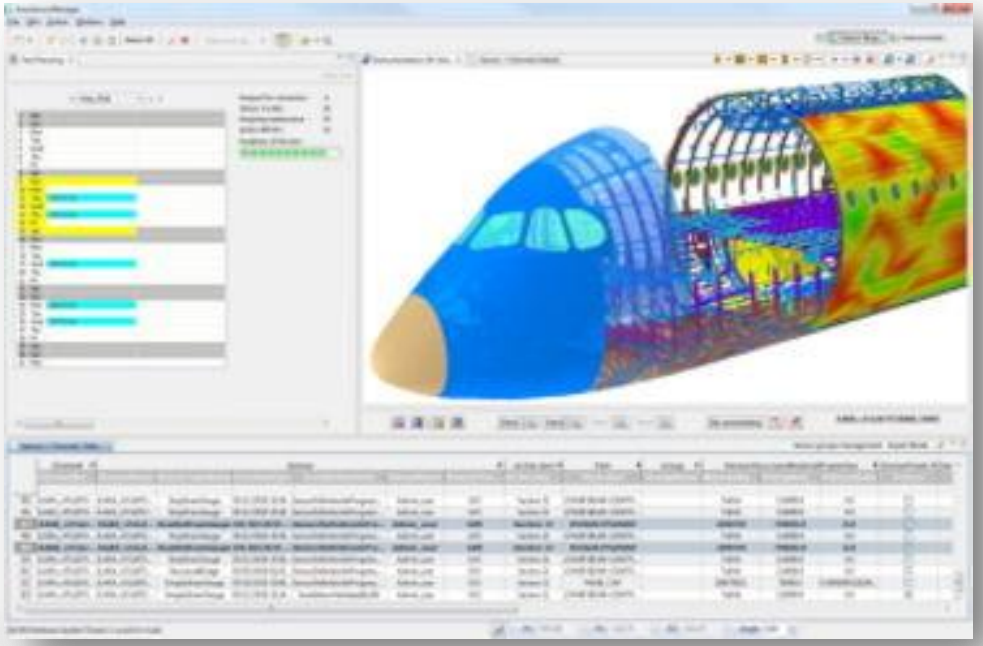
Concepts Teach Organizing Information Ideas ConceptMap
Tips Knowledge Brainstorming Software Infoviz
Relationship Dataviz Model Data
Communicate MindMap Learn

Visual representation of

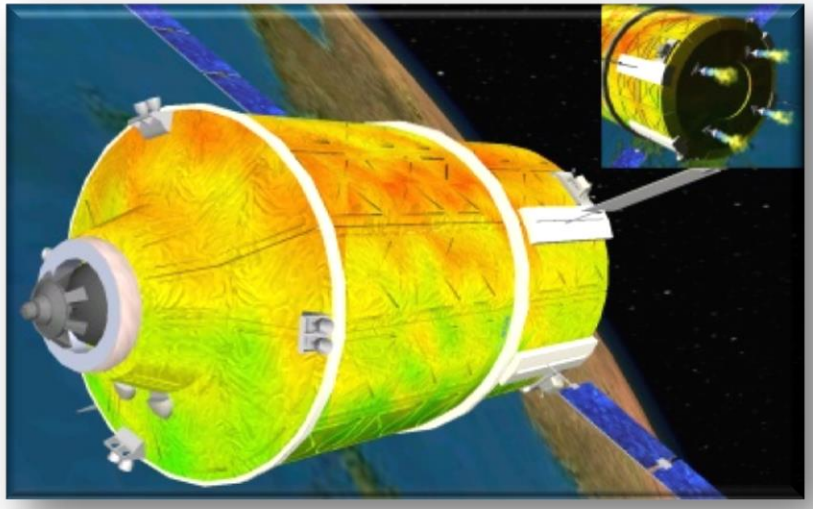
Thierry BELTRAN



Data viz examples



- Real time
- > 30 000 param / sec

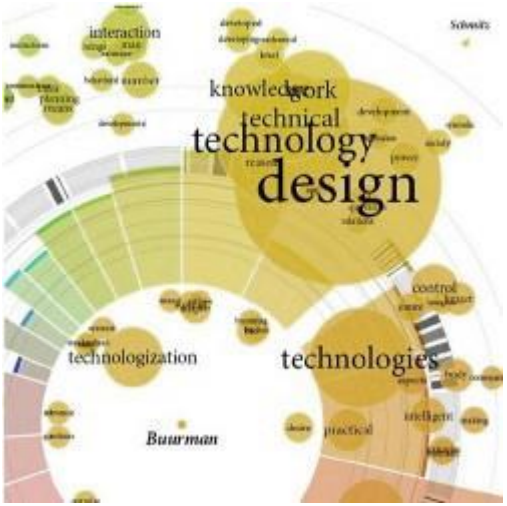


- 2D / 3D
- Color *(Temp, Press, …)*
- Time

Visual representation of knowledge

(Big) Data viz

Infography
Graphic design



Knowledge representation

- Knowledge modeling

UML diagrams
Flow charts
Semantic networks
System dynamics
Entity / relationship
BPMN
Swim lane diagrams
OWL

- Knowledge mapping

Mind maps
Concept maps
Arguments maps
Thinking maps

Definition of knowledge

Future

Wisdom

Why?

Understanding principles

Degree of connectedness

Present

Knowledge

How?

Understanding patterns

Who?
What?
When?
Where?

What is knowledge?

Information

Past

Understanding relations

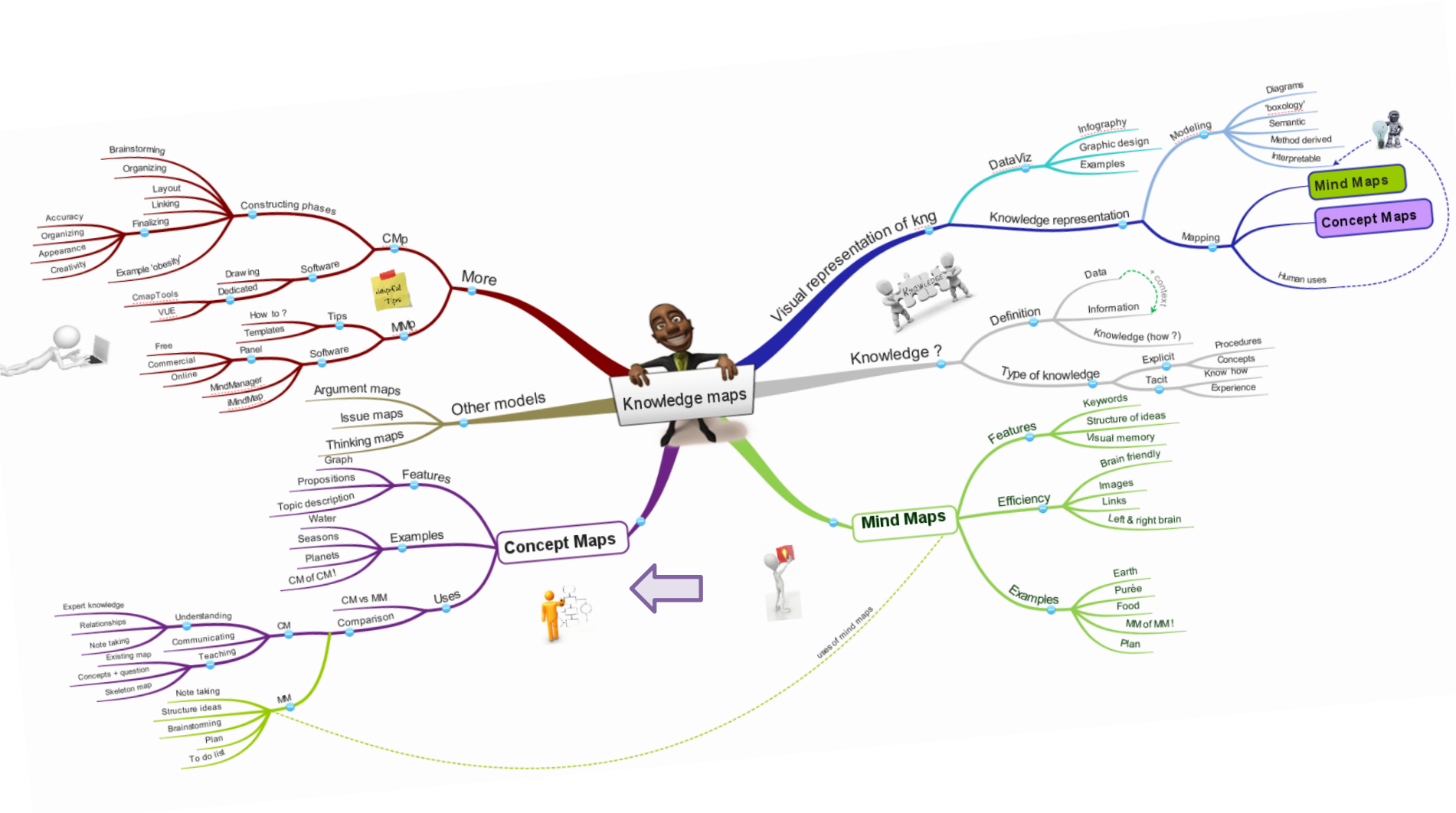
Disconnected facts

Data

Degree of understanding

MindMap
Memory
Associations
KeyWords
Visual
Images
Brainstorming
Software
Idea
Icons
Colors
Tree
Radiant
NoteTaking
Clustering

Plan


Knowledge maps
Visual representation of kng
DataViz
Infography
Graphic design
Examples
Modeling
Diagrams
'boxology'
Semantic
Method derived
Interpretable
Knowledge representation
Mapping
Mind Maps
Concept Maps
Human uses
Knowledge ?
Definition
Data
Information
Knowledge (how ?)
context
Type of knowledge
Explicit
Tacit
Procedures
Concepts
Know how
Experience
Mind Maps
Features
Keywords
Structure of ideas
Visual memory
Efficiency
Brain friendly
Images
Links
Left & right brain
Examples
Earth
Purée
Food
MM of MM !
Plan
Concept Maps
Features
Propositions
Topic description
Examples
Water
Seasons
Planets
CM of CM !
Uses
CM vs MM
Comparison
CM
Understanding
Communicating
Teaching
Expert knowledge
Relationships
Note taking
Existing map
Concepts + question
Skeleton map
MM
Note taking
Structure ideas
Brainstorming
Plan
To do list
uses of mind maps
Other models
Argument maps
Issue maps
Thinking maps
Graph
More
CMp
Constructing phases
Brainstorming
Organizing
Layout
Linking
Finalizing
Accuracy
Organizing
Appearance
Creativity
Example 'obesity'
Drawing
Software
Dedicated
CmapTools
VUE
MMp
How to ?
Tips
Templates
Software
Free
Commercial
Online
Panel
MindManager
iMindMap

Relationship
Graph
Domain
Understand
Concept
Teach
ConceptMap

Knowledge mapping

- Mind maps,
- Concept maps

Knowledge mapping

- Argument map,
- Issue mapping,
- …

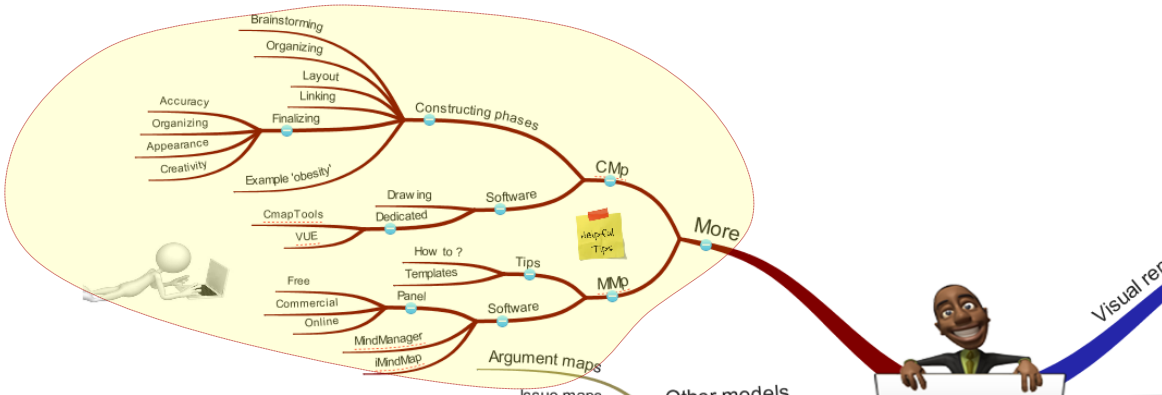
Concepts Teach Organizing Information Ideas

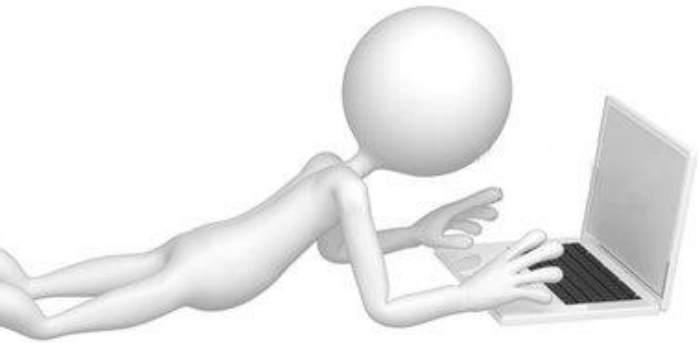
Tips Knowledge ConceptMap

Brainstorming Infoviz

Relationship Dataviz Model Software

Communicate MindMap Learn Data





Knowledge mapping