

world of minds

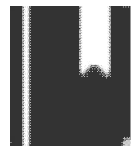
A picture says more than a thousand words



Whole Brain Thinking?



Wrap up



Do it yourself!



EUROSAI

IXth CONGRESS • THE HAGUE • 2014

Whole Brain Thinking

Jerre Lubberts
World of Minds



Studies of our brain



Left AND right



How?



Why whole brain thinking?



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A picture says more than a thousand words



Whole Brain Thinking?

Using your whole brain capacity, individually and in your team!

Whole Brain Thinking

Problem solving

Improving creativity

Improving memory

Creating a joint point of view

To respond to

To introduce

Change

Project management and Whole Brain Thinking

Support

Creativity

Cooperation & collaboration

Change management



Two hemispheres

- Different ways of processing
- Reinforcing each others properties
- Complementing each other

Millions of nerves that transmit information between left and right sides of our brain

Corpus Callosum

Central part of the brain

Damaged Corpus Callosum with epileptic patients

Understanding different ways of processing information for each hemisphere

Both hemispheres have distinct functions, but cooperate



Studies of our brain

Left or right brained people



Left is analytical and deductive

- Linear
- Logical
- Analytical
- Linguistic
- Critical
- Patterns
- Strategical
- Controls the right side of the brain

Right side is creative and holistic

- Poetical
- Imagination
- Chaotic
- Philosophical
- Spatial awareness
- Symbols
- Risk taking
- Controls the left side of the brain

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Left AND right

The brain spectrum

- Both hemispheres process information
- But in their own way
- A point on a scale
- Personal, unique mix of left and right characteristics

Our brain bias is left-oriented

Each individual has a preference for left or right

Genetic predisposition

Creativity at a maximum at the age of 5!

Environmental factors

Preference for left or right

Left hemisphere has its limitations

Troubleshooting

The creation and acceptance of new ideas

New and better ways of working

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Why whole brain thinking?

The world is changing

Working flexible is the new standard

Creativity will make THE difference!

Left brain thinking is not enough

Thinking with both hemispheres

Problem solving

Improving creativity

Improving memory

Make the weak hemisphere stronger!

Strengthen cooperation



Left and right work together for optimal results

Getting the best from both hemispheres

Stimulate natural way of processing information

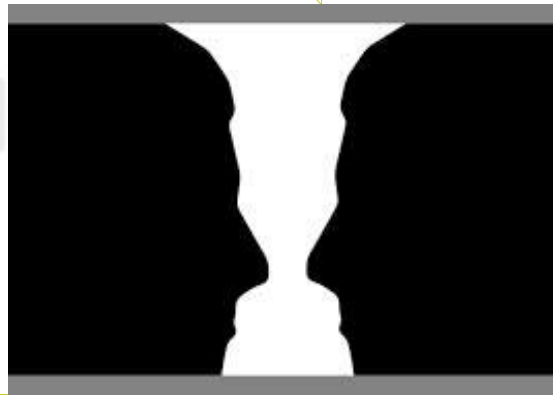
Improve concentration (Cain)

Creating support



Do you see the hidden tiger in this picture?

Two different views



What do you see here?

Are you left or right orientated?



How?

+ Determining strategy for balancing the hemispheres

+ Balancing / optimisation

+ With this

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w

Are you left or right orientated?
+

Determining strategy for balancing the hemispheres

Make the weaker side stronger

Emphasis on the weaker side

Searching for past experiences

Is this sufficient of the future?

Searching for past results

Searching for known solutions

No results?

Left

Balancing / optimisation

Learning by doing: playing!

Not learning from previous mistakes, but trying again

Chaos creates a loss of ideas! Don't lose them!

Best results come in chaos

Right



How?

Paycock et al (2001/2002)

Reflection

Association

Changes

Creating consciousness and a better and more efficient way of thinking and working

Goodnough and Long (2002)

Stimulating visual thinking and ways to express yourself

With this

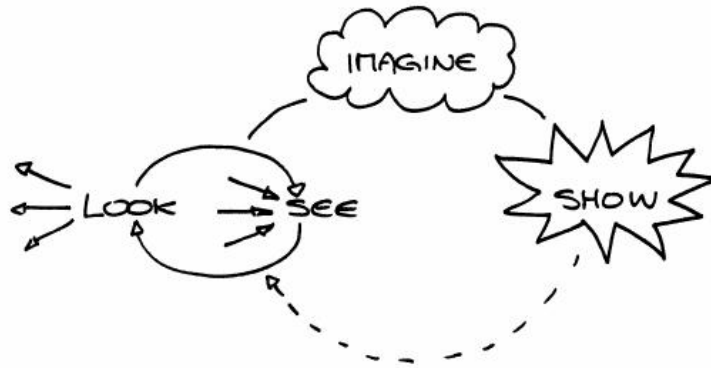
Visualisation helps to remember and stutters information

A natural, holistic way of processing information (Mento et all (1999))

The Back of the Napkin

Everyone can draw!

Making complex matters under stable by visualising



Look

See

Imagine

Personate

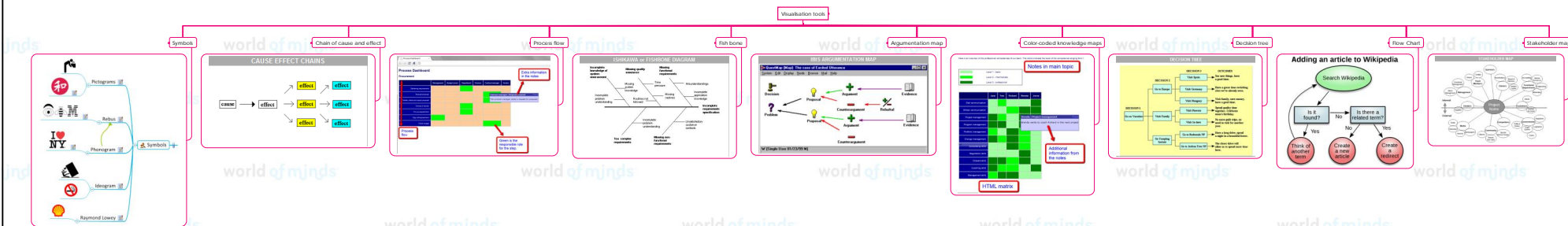
Visualisation

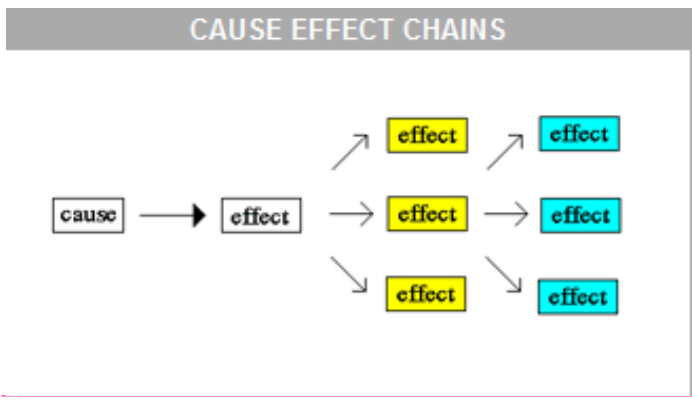
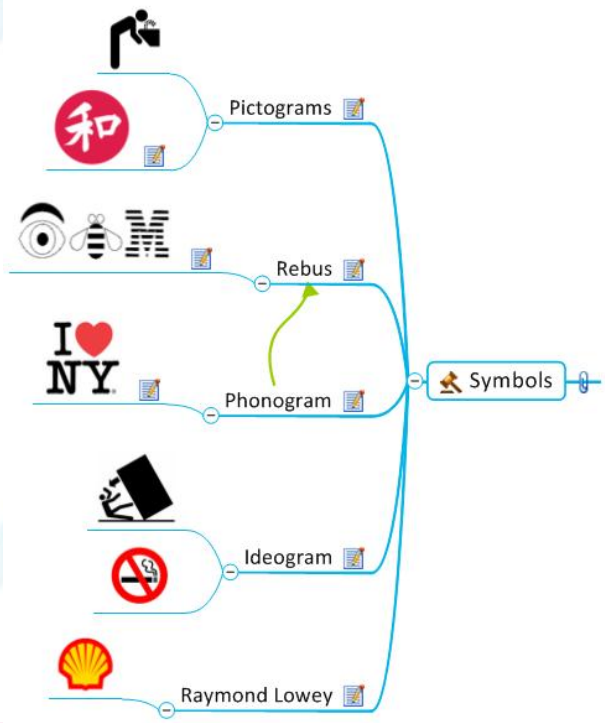


Do it yourself!

Visualisation tools

Foundation of the new and smarter way of working





Process Dashboard

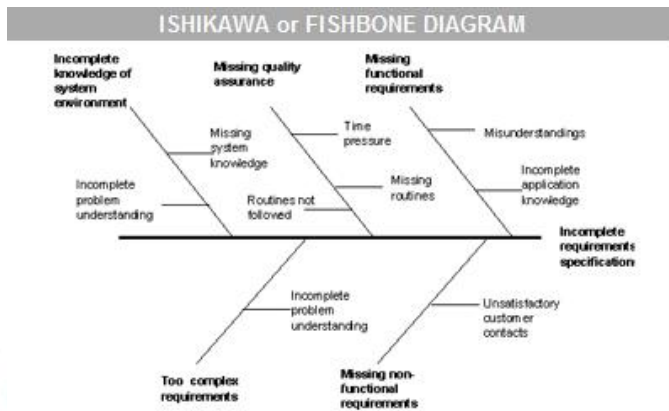
Procurement

	Management	Budget owner	Department	Finance	Contract manager	Vendor
Gathering requirements						
Request proposal					Contract manager Request proposal	
Creates, check and supply proposal					The contract manager writes a request for proposal.	
Choice of vendor						
Fill out request form						
Sign off request form						
Check budget						

Annotations:

- Red box: 'Extra information in the notes' pointing to the 'Request proposal' cell.
- Red box: 'Process flow' pointing to the vertical arrow on the left.
- Red box: 'Green is the responsible role for the step.' pointing to the green cells in the 'Request proposal' row.

- Symbols
- Visualisation tools
 - Chain of cause and effect
 - Process flow
 - Fish bone
 - Argumentation map
 - Color-coded knowledge maps
 - Decision tree
 - Flow Chart
 - Stakeholder map

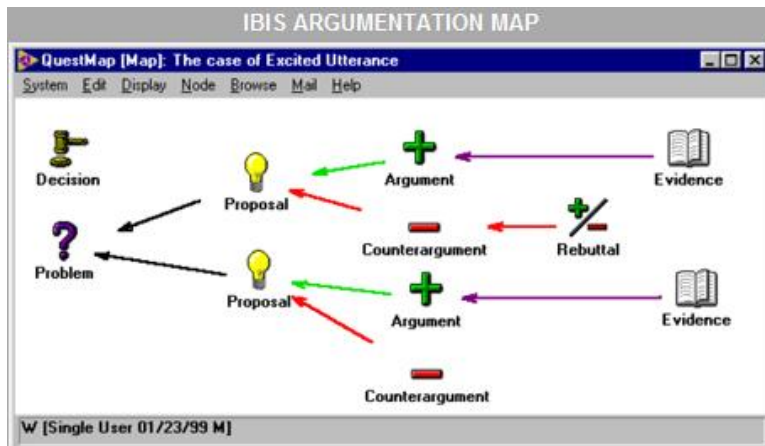


+ Symbols

+ Chain of cause and effect

+ Process flow

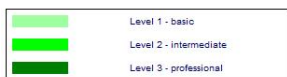
Fish bone



Visualisation tools

Argumentation map

Here is an overview of the professional competences of our team. The colors indicate the level of the competence ranging from 1



Notes in main topic

	Jane	Tom	Richard	Brenda	Jesse
Oral communication	Level 1	Level 2	Level 2	Level 2	Level 3
Written communication	Level 1	Level 2	Level 2	Level 2	Level 2
Project management	Level 1	Level 2	Level 2	Level 2	Level 2
Program management	Level 1	Level 2	Level 2	Level 2	Level 2
Portfolio management	Level 1	Level 2	Level 2	Level 2	Level 2
Change management	Level 1	Level 2	Level 2	Level 2	Level 2
Consultancy skills	Level 1	Level 2	Level 2	Level 2	Level 2
Negotiation skills	Level 1	Level 2	Level 2	Level 2	Level 2
Didactic skills	Level 1	Level 2	Level 2	Level 2	Level 2
Coaching skills	Level 1	Level 2	Level 2	Level 2	Level 2
Management skills	Level 1	Level 2	Level 2	Level 2	Level 2

Brenda | Project management
Close
Brenda wants to coach Richard in the next project

Additional information from the notes

HTML matrix

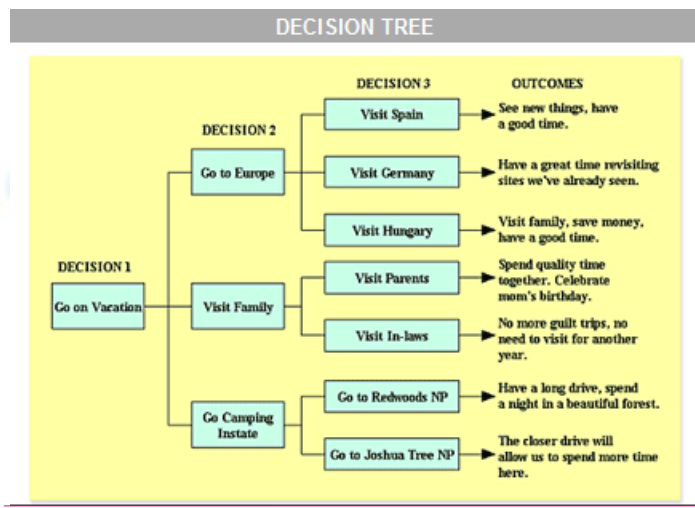
Color-coded knowledge maps

+ Decision tree

+ Flow Chart

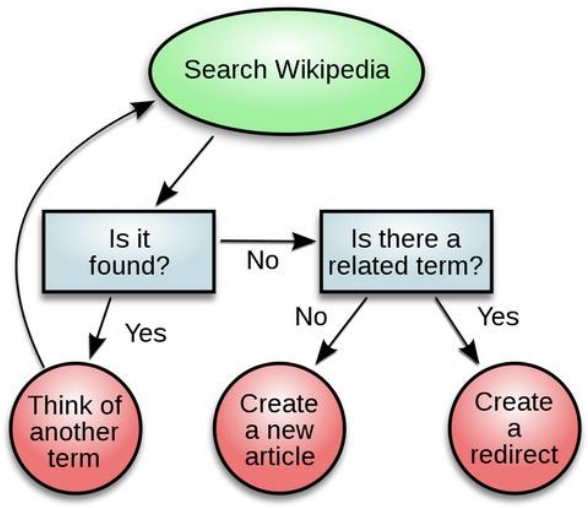
+ Stakeholder map

- + Symbols
- + Chain of cause and effect
- + Process flow
- + Fish bone
- + Argumentation map
- + Color-coded knowledge maps



Decision tree

Adding an article to Wikipedia



Flow Chart

Visualisation tools

STAKEHOLDER MAP



Stakeholder map



Daniel Pink - A whole new mind

A natural way of processing information

Processing and reusing information by visualisation

Interaction

Conscious way of thinking

Overview, insight en reflection

Foundation of the new and smarter way of working

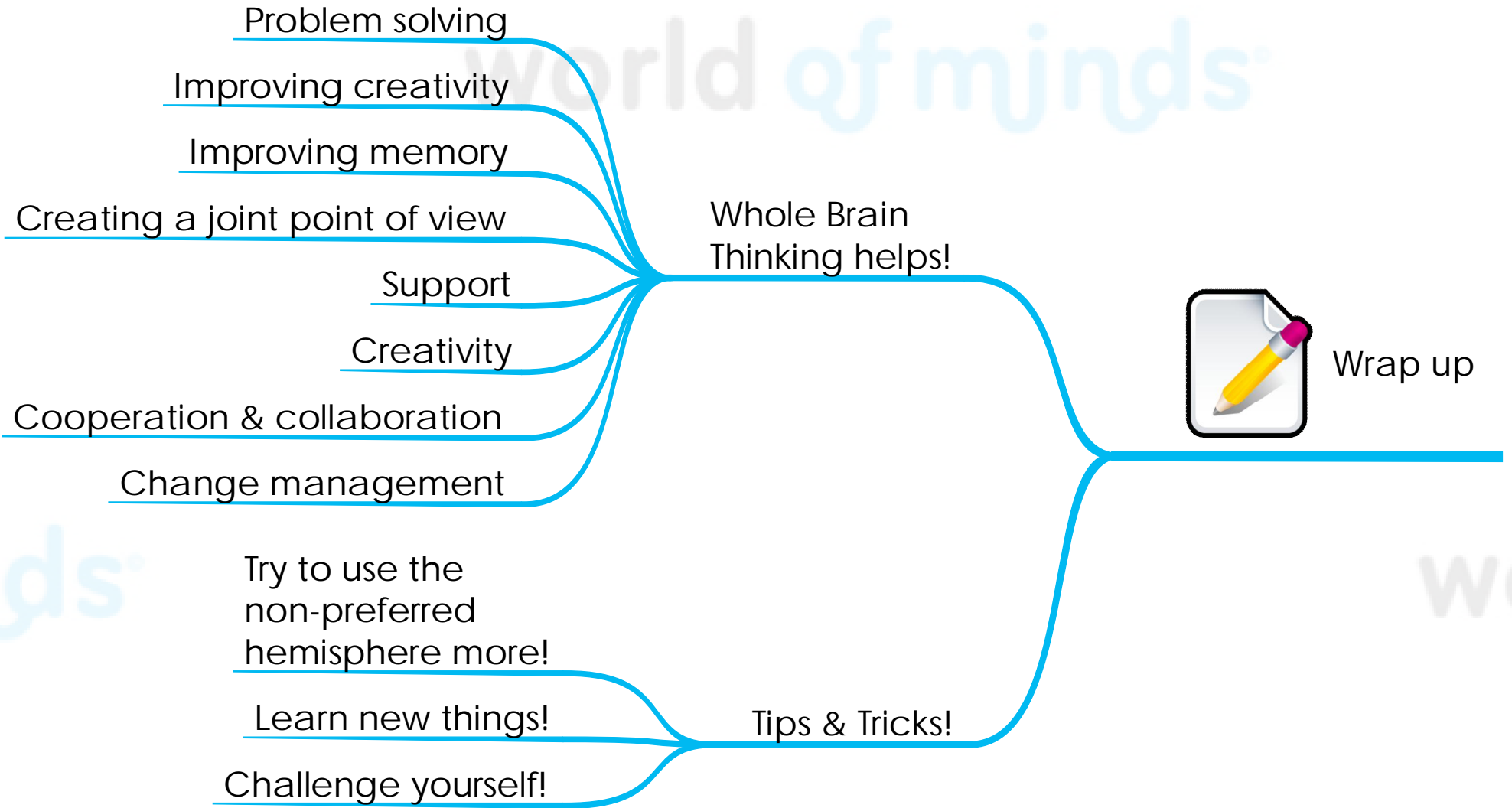
Visualisation

Visualisation tools



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