Prologue

Human inner resources have during history been described in different symbol systems, from different perspectives, within Religion, Art & Science

The "attributes" used by different scholars have been fitted into a "harmonized language structure"

- a holistic model for studying the interplay between the resources
"6 Thinking hats, 3 Culture caps and one Umbrella"

was presented at

The International Conference on Thinking
Norrköping 2007

An overview of some sources used is given in a separate presentation "Harmonized hat structure"

A swedish updated version is also available.
click - to start 15 min picture & music show
... and the 9 Muses ...
Six thinking hats

three culture caps

and one umbrella
Exploration

into contents and structure
of our inner resources
and the emerging consciousness

with concepts and perspectives from …
E deBono  thinking hats

H Gardner  multiple intelligences

P Senge  learning disciplines

CG Jung  personality types

Aristotle  virtues & sins

The antique  muses
... the hats/intelligences contain 8 conditions of experience

... and are defined by 4 provisions for development and evolution
The six thinking hats are ...

- curiosity hat
- diversity hat
- rule hat
- control hat
- emotion hat
- creation hat
… made in Norrköping 2007 for some interesting Swedes …
1

Creation hat
1

**Creation hat**

*Spatial intelligence*

---

**probes**

*liberality & greed*

Uranus – Astronomy

Satisfaction
Eva
500 BC
mythical figure

explored
the Garden of Eden
together with Adam
Birgitta
1303 – 1373
Saint

Eight children
Lived in Östergötland
last 20 years in Rome

Canonized 1391
Kristina
1626 – 1689
Queen

age 6 - father fallen
18 – coronation
28 – abdication

conversion to Catholicism
move to Rome
not married
Hon
1966
Exhibition
Museum of Modern Art

Niki de Saint Phalle
1930 - 2002
2
Emotion hat
Emotion hat

Musical intelligence

feel

patience & anger

Euterpe – Lyric poetry, music
Kata Dalström
1858 – 1923
Socialistic agitator

supporter of Russian Revolution
and religious freedom

voting rights to women 1919
first socialist government 1920
3

Control hat
Challenge

3

Control hat

Motor intelligence

Personal mastery

think

temperance & gluttony

Terpsichore – Dance

habit

Skill

Persistence
Louis De Geer
1587 – 1652
Financier and industrialist

Skilled Walloon immigrants
4

Rule hat
Rule hat

Logical intelligence

Systems thinking

compare

possibility

comprehension

explanation

Security

wittiness & ---

Thalia – Comedy
Tage Danielsson
1928 – 1985
Entertainer

Honorary doctor
Linköping University
1980
5
Diversity hat
Diversity hat

*Naturalist intelligence*

---

*modesty & indifference*

Calliope – Epic poetry

Diversity

Realities

signals

pattern

sense
Carl von Linné
1707 – 1778
Scientist
Sexuality of flowers similar to animals and humans.

Mercuralis perennis ♂ Skogsbingel
6
Curiosity hat
Curiosity hat

Existential intelligence

search

truthfulness & lust
Erato – Love poetry

Presence

openness

contact

Instinct
Pippi Långstrump
1945 -
Literary figure

Astrid Lindgren
1907 – 2002
… the three culture caps are …

- beauty cap
- intention cap
- imagination cap
Imagination cap
Imagination cap

Linguistic intelligence

Mental models

realize

friendliness &

Clio – History

Necessity
HRH Victoria
30 on July 14th
Crown Princess

first woman to be
Head of State
in 300 years

Sweden
1 000 year old monarchy
8

Intention cap
Intention cap

Social intelligence

Shared vision

foresee

courage & envy

Melpomene – Tragedy
Harlekin
1500 –
Theatre figure
in Comedia dell’arte

related to
"Joker" and "Jester"

allied with
"Power"
9

Beauty cap
9
Beauty cap

"Self"

Team learning

judge

magnanimity & pride
Polyhymnia – Praise hymns
Evert Taube
1890 – 1976
Troubadour
10
Perspective umbrella
Perspective umbrella

"I"

... is derived from ...

- - -

connect & disconnect

magnificence, ambition, indignation

Zeus, Mnemosyne – Parents

Consciousness

Nature

culture

identity
... 3 systems that we belong to symbolized by RGB colors in 3-D space that interact to give 8 colors and conditions ...
... forming the holistic  "I"

... and consciousness about My and Your inner world...
.. as expressed in Tractus Logico-philosophicus

by Ludwig Wittgenstein 1921
and M A Numminen 1989 ...
.. as expressed in Tractus Logico-philosophicus

by Ludwig Wittgenstein 1921
and M A Numminen 1989 …

"The limits of my language mean the limits of my world
The world and life are one
I am my world"
"Wovon man nicht sprechen kann, darüber muss man schweigen"
... but our interplay with the environment ...
... but our interplay with the environment ... activates all the inner resources

... and this dialogue consists of ...
... reaction
and initiative ...
take give
listen talk
watch do
… or connect and disconnect …
... and depending on the medium used ...

as stated 1964 by *Marshall McLuhan* in:
*Understanding Media - The extensions of Man*
and 1968 in:
The medium is the Massage
and 1968 in:
The medium is the Massage

"we shape our tools
then thereat
our tools shape us"
Every new technology creates a new environment.....

... Spoken-word ... ... ... Written-word ... ... ... ... Roads Numbers Clothing Housing Money Clocks Wheels Airplane Photograph Motorcar Ads Games Telegraph Telephone Phonograph Movies Radio Television Weapons Automation ... ... ... ... ... ...
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<td>Smoke gets in your eyes</td>
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<td>B Crusell</td>
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<td>I Nilsson</td>
<td>Här kommer Pippi ...</td>
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<td>B Berger</td>
<td>På en äng</td>
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<td>8</td>
<td>U Linde</td>
<td>Three without a key</td>
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<td>9</td>
<td>E Taube</td>
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<td>MA Numminen</td>
<td>The Tractus suite</td>
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<td>exit</td>
<td>Tuxedo jazz band</td>
<td>Smoke rings</td>
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</table>
Production
Perspective

Beauty

Imagination

Intention
Know thyself

*Thales 500 BC*
Appendix

1. Emotions
   M Csikszentmihalyi, A Damasio

2. Our triune brain
   Matti Bergström

3. The conscious "I"

4. Inspiring literature
Appendix 1

EMOTIONS

"Flow" and 7 human experiences transformed to RGB colors

after M Csikszentmihalyi 1997
Quality of human experience at different relations between challenge and skill

+ 4 development phases

- ♠ self dissolution
- ♥ partness
- ♦ self transformation
- ♣ wholeness

... is transformed to colors ...

= The 3D umbrella
These 8 emotions are located in the blue hat
Similar bodily responses may be derived for all 9 intelligences

after A Damasio 2003
<table>
<thead>
<tr>
<th>Joy</th>
<th>Disgust</th>
<th>Anger</th>
<th>Sorrow</th>
<th>Pleasure Discontent</th>
<th>Longing</th>
<th>Expectation</th>
<th>Accommodation</th>
<th>Stress</th>
<th>Weakness</th>
<th>Delight</th>
<th>Pain</th>
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**Spatial drives**

**Musical feelings**

**Bodily-kinesthetic emotions**

.. and their conditions...
Appendix 2

OUR TRIUNE BRAIN

= Reptile brain
Limbic system
Neocortex
Intermediate brain (paleopallium)
Limbic system
Emotions

Rational brain
Neocortex (neopallium)
Intellectual tasks

Primitive brain (archipallium)
Self preservation, aggression
... is represented
in a 3 Dimensional brain space
with 8 quadrants ...

after Matti Bergström  2002
... showing 8 types of consciousness ...

- Neocortex
- Limbic system
- Reptile brain

- Creator Child
- Achiever Woman
- Reasoner Man
- Fundamentals
- Politician
- Scientist
- Terrorist
- Bureaucrat
... and also our 8 hats and caps ...
... and their interplay ...

- **Reptile brain**
  - Presence
  - Intention
- **Limbic system**
- **Neocortex**
  - Diversity
  - Balance
  - Need
  - Possibility
  - Drive
  - Challenge

- ♠ ♠ external communication
- ♥ ♥ internal communication
- ♦ ♦ conscious activity
- ♣ ♣ automatic activity
... developing the central imagination cap.
Appendix 3

My conscious ”I”

Juggling

Our world image
Shanghai
Kebnekaise
Many balls in the air

= juggling = connect + disconnect

two hands - five balls
two hands - one ball

show

test

instruct

practise

two hands - three balls
... and our image of the world is changing ....
Appendix 4

Inspiring literature
Sweden

LÄROBOK FÖR 90 TALET
Om vår vardagens välbor
Gunnar Adler Karlsson
Prista

Meditation
STUDIES FROM THE CAPE
Philosophical Park
by
Gunnar Adler Karlsson
The Cape Institute

En uppblåst bakteries
memoarer
Gunnar Adler Karlsson
The Cape Institute

Jan Myrdal
Skiftetällning

Peter Gärdenfors
Hur Homo blev sapiens
om tankandes evolution
Nye Doki

Den meningssökande
människan
Peter Gärdenfors

Göran Rosenberg

Plikten, profiten och konsten att vara människa
Essä
Albert Bonniers förlag

Clarence Crafoord
Införlivanden
Om den verklighets
dokumens betingelser
Sweden
Sweden

MUSEET SOM MAKT OCH MOTSTÅND
FESTSKRIFT TILL ERIC HOBBEN
10 APRIL 1996

Johan Ahlbäck
ARBETETS MÅLARE

...det frå ur vilket kunskap växer
Arbetsvändningar i kulturlandskapen

Levande verkstad

Skönt
Gunnar Berghelt

"Språket" 1980

Att veta och att göra

OM TIDENS VIDD OCH TINGENS ORDNING
Sweden
Finland
Denmark

Dagens gärning i konsten
R. Broby-Johansen

SVART PÅ VITT
En politisk bilderbok
R. BROBY-JOHANSEN

Platsen
Som inte finns

Märk världen
En bok om vetenskap och intuition

Världen växer
En bok om slumpens historia

Bonnier Alba
Great Britain
France

Italy
<table>
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<tr>
<td>1</td>
<td>F Santa</td>
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<tr>
<td></td>
<td>Hungarian song</td>
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<tr>
<td></td>
<td>A Lauro</td>
</tr>
<tr>
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<td>Venezuelan walz</td>
</tr>
<tr>
<td>2</td>
<td>K L Nilsson</td>
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<td></td>
<td>Kungs Levis gånglåt</td>
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<tr>
<td>3</td>
<td>Chinese folk music</td>
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<td>The colorful clouds ...</td>
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<td>4</td>
<td>B Goodman</td>
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<td>Body and soul</td>
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</table>
Problems worthy of attack prove their worth by hitting back.

Piet Hein