

NEVER SUSTAINABLE

makes money

Chronobiology and Lithotherapy pierre.bricage@univ-pau.fr

pierre.bricage@univ-pau.fr Chronobiology and Lithotherapy

temporal

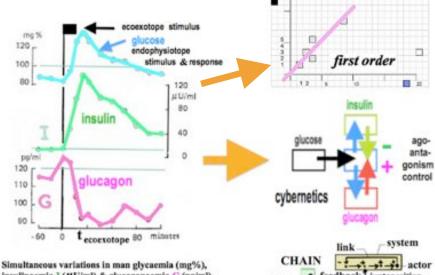
organisation

right TIME? WHEN?

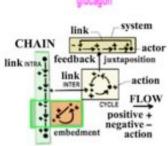
WHAT?

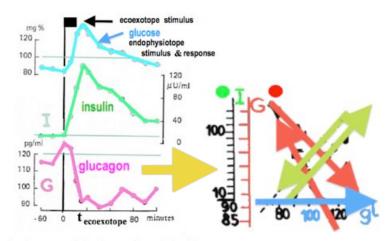
WHAT FOR ?

HOW?

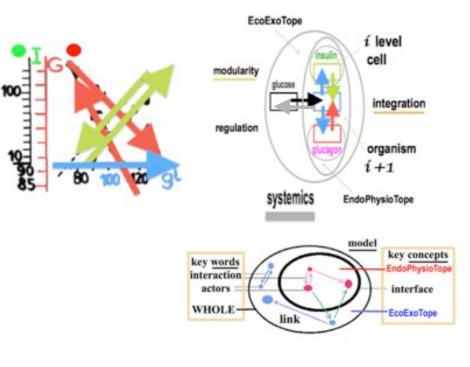


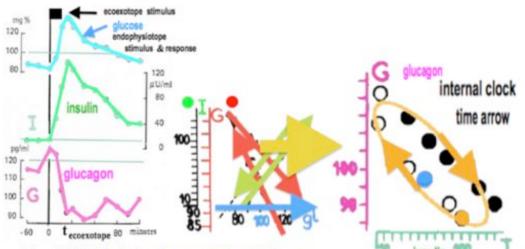
Simultaneous variations in man giycaemia (mg%), insulinaemia I (µU/ml) & glucagonaemia G (pg/ml), external time of the ecoexotope in minutes. (R. Unger, New England J. Med., 1970, n° 282, p. 109.)





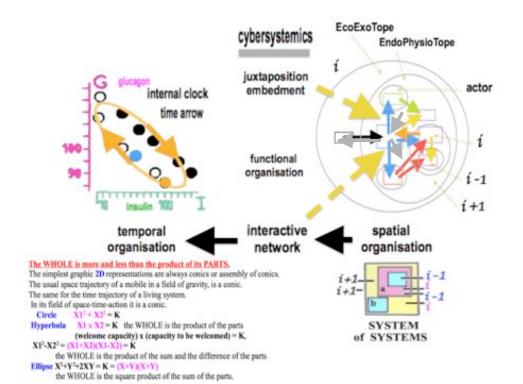
Simultaneous variations in man glycaemia (mg%), insulinaemia [$(\mu U/m)$] & glucagonaemia G (pg/ml), external time of the ecoexotope in minutes. (R. Unger, New England J. Med., 1970, n° 282, p. 109.)

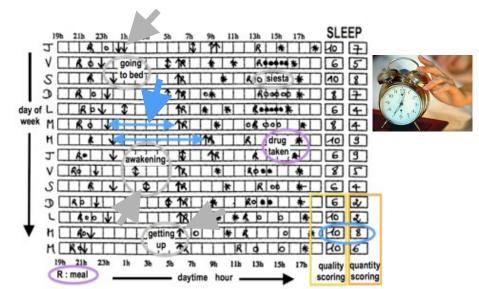


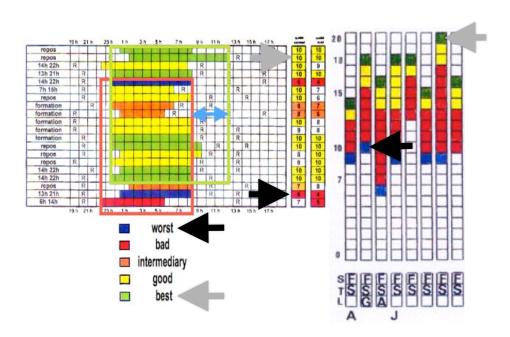


Bricage P. (2004) Living Systems Governance: Actors and Wholeness. Coll. Internat. AFSCET "gouvernance systémique", Andé, France, 26 p.

Bricage P. (2013) Time Management by Living Systems. Systems Research and Behavioral Science 30: 677–692.

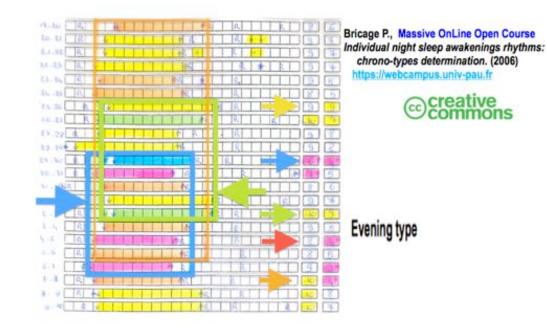


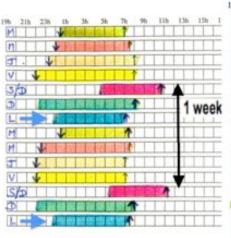




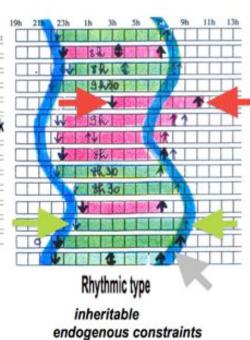
19/10/60 1998 dele Ť V SheS TT 1 1 100 1 2 SADIND 4 BOIL & A F) JAN HEL 2 L12/13n F F 1 2 11 7 H V 86 2 2 T 2 V 17 2 6 3.19 106 L 20-21 M 21-12 6 9 M 22-25 98 T 23-24 31 V 21-25 5 22 1 (F) \$ 25-26 3 26-8 3 (1) L 24-21 12430 1 M 5 n 27/5 11川版二 21h 23h 1h 3h 5h 7h 9h 11h 13h 15h 17h

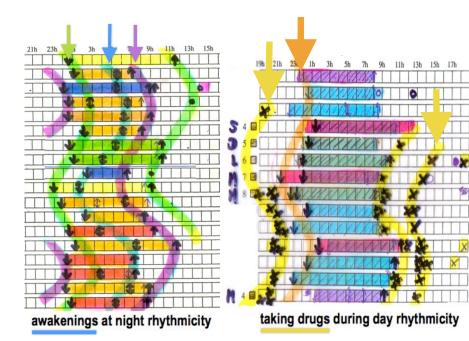
Bricage P. (1998) For best performance know your sleep schedule. "Physical Activities in Extreme Environments" Inter-Armies Sports Institute, Paris-Fontainebleau, France, 2 p.

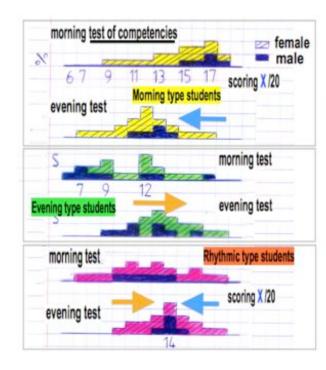




societal exogenous constraints



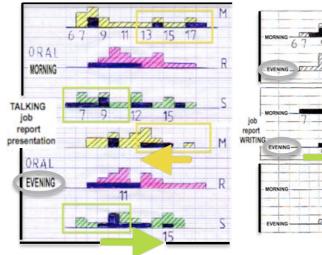


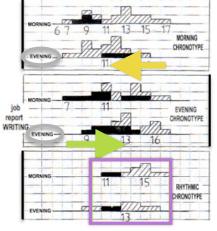


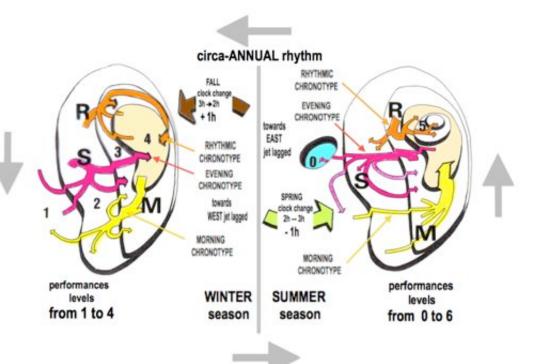
Bricage P. (1998) For best performance know your sleep schedule. "Physical Activities in Extreme Environments" Inter-Armies Sports Institute, Paris-Fontainebleau, France, 2 p.

Bricage P., Massive OnLine Open Course Individual night sleep awakenings rhythms: chrono-types determination. (2006) https://webcampus.univ-pau.fr







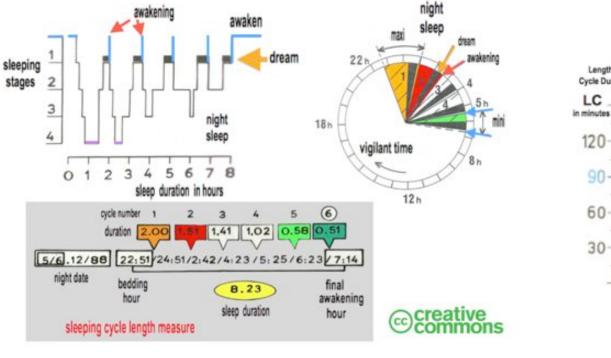


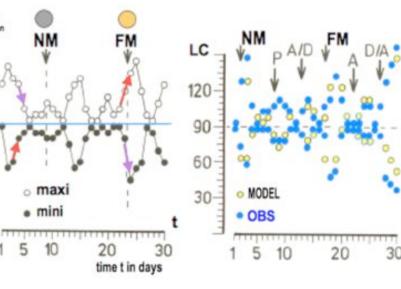
Bricage P. (1993) Lunar cycles responsible for periodic awakenings man night sleep entrainment. Biological Rhythms: from cell to man. Polytechnica (Paris, France), pp. 183-190.

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30





Length of

Cycle Duration

LC

120

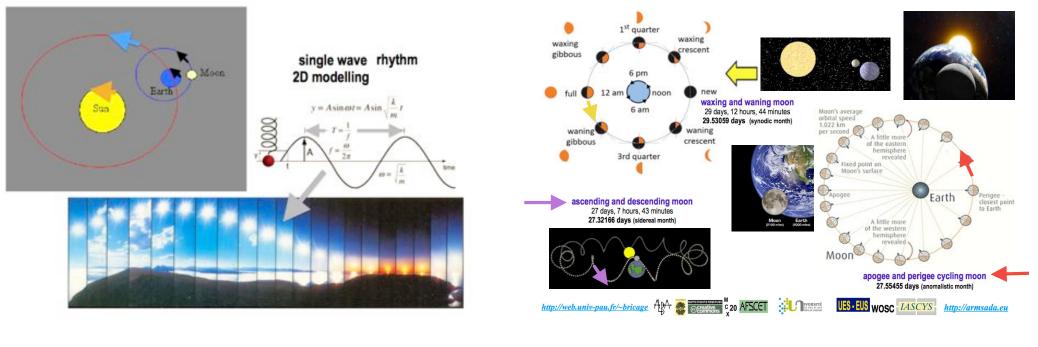
90

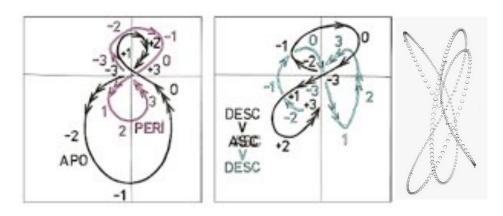
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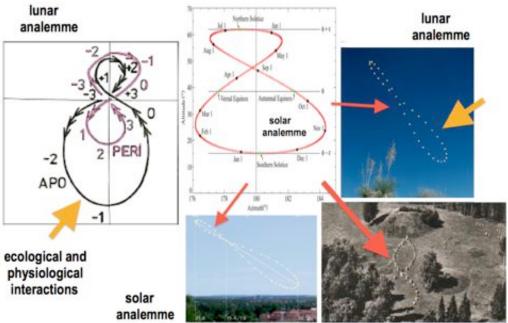
30

4 5

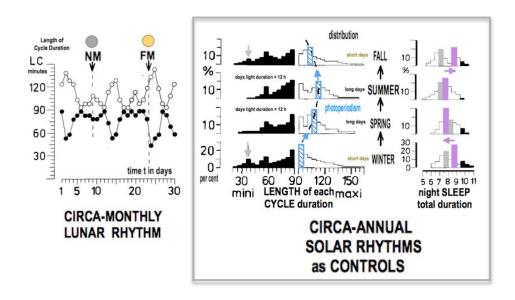
Systemic Solutions for Systemic Problems - IASCYS - University of Sichuan at Chengdu, P.R. China, top 10 University

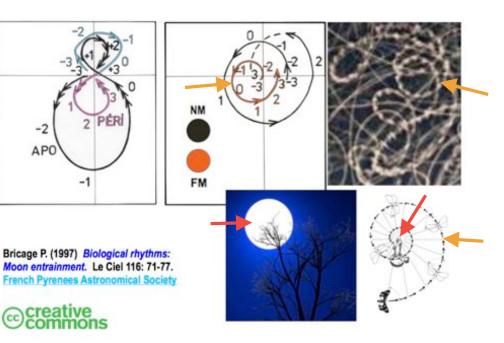


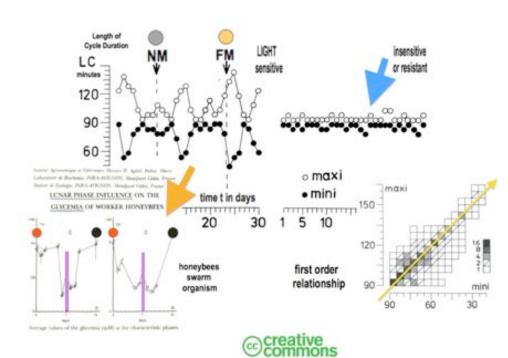


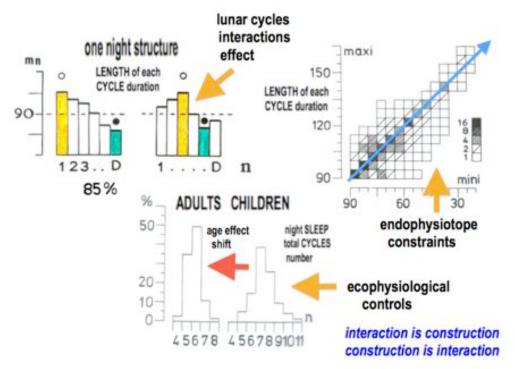


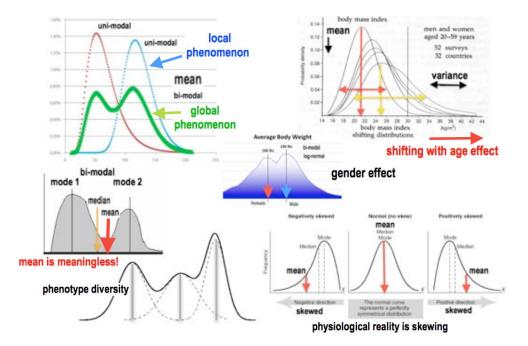
stone ships and the analemma solar observatory at King Anund's barrow

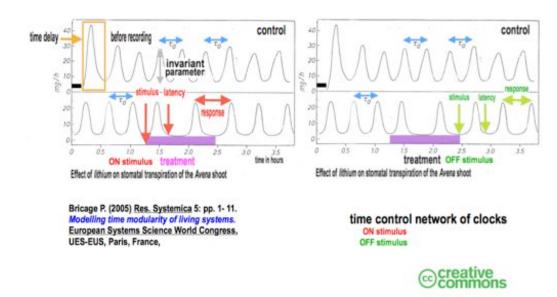


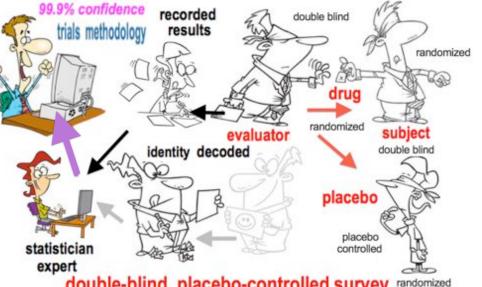






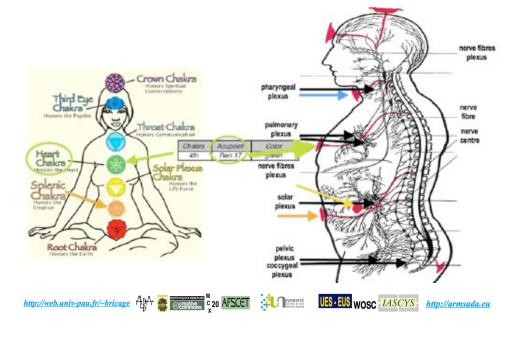


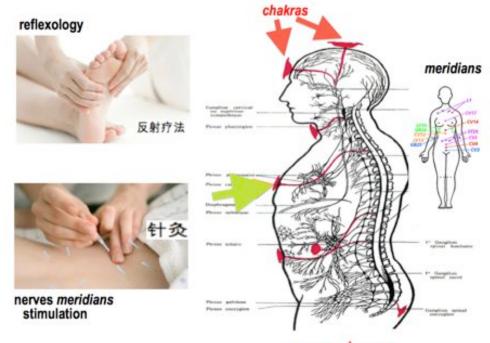




double-blind, placebo-controlled survey randomized



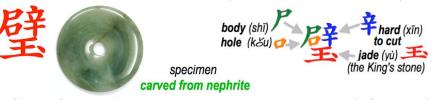




nerves plexuses

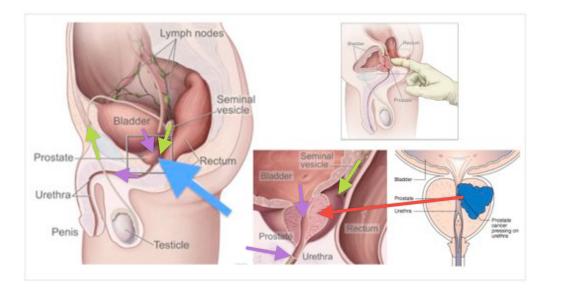
Systemic Solutions for Systemic Problems - IASCYS - University of Sichuan at Chengdu, P.R. China, top 10 University





a flat perforated disk with a circular hole in the centre (a flat donut), is one of the earliest symbolic carvings (Liangzhu culture 3400-2250 BC). The ancient Chinese believed the heart contained the person's intellect. Therefore the heart became the symbol for the "perforated disc".
The object was handled by shamans, the religious leaders of Liangzhu society and the transmitters of cosmological knowledge.
The disks were placed on or near the head of the deceased person and sometimes near the stomach and chest in neolithic burials.

http://web.univ-pau.fr/~bricage



NEPHRITE

NEPHRITE Ca₂(Mg,Fe)₅Si₈O₂₂(OH)₂

Canadian jade dark-green stone amphibole group



JADEITE

more than 50% of

sodium and aluminium

Chinese jade

white jadeite

pyroxene

group



yellow jade

caused by chromium

green JADEITE Cr, Ni , Mn traces

green

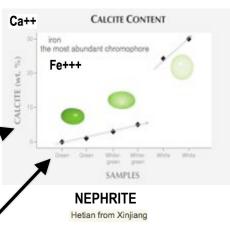
JADEITE SERPENTINITE serpentine group

denser and tougher than nephrite

The term jade encompasses two tough, compact, fine-grained materials: jadeite and nephrite. The definition of these two materials is difficult, at best.

Strictly speaking, jadelite is a distinct monoclinic mineral belonging to the pyroxene group and having an ideal chemical composition of NaAl[SiO₂]₈. However, jadelite may be an intimate intergrowth of jadelite with at least one of two closely related pyroxenes: acmite (NaPe)4O₂]₂, or diopside (CaMg)3O₂]₂. The three minerals can form a continuous isomorphic substitution series. The variations in the properties of jadelite any therefore dependent on the proportions of each pyroxene present.

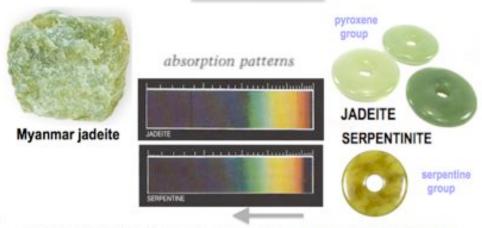
Jadeite. In Chinese, Jadeite is called "Fei Cui". And this name is come from a bird's name. This bird has a very colorful and beauty feathers. The male bird has red feathers, and it called as "Fei" bird. The female bird has green feathers, and it called as "Cui". In combination, they called "Fei Cui". There has wide range of variations in color of Jadeite. The color is mostly found in white, green, red, purple, blue, yellow, black and pink.



香港五器商會 HONG KONG JADE ASSOCIATION

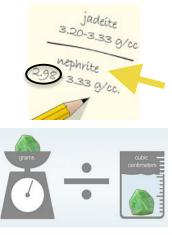


From "piedra de ijada" stone of the flank, as it was thought to cure kidney pains.



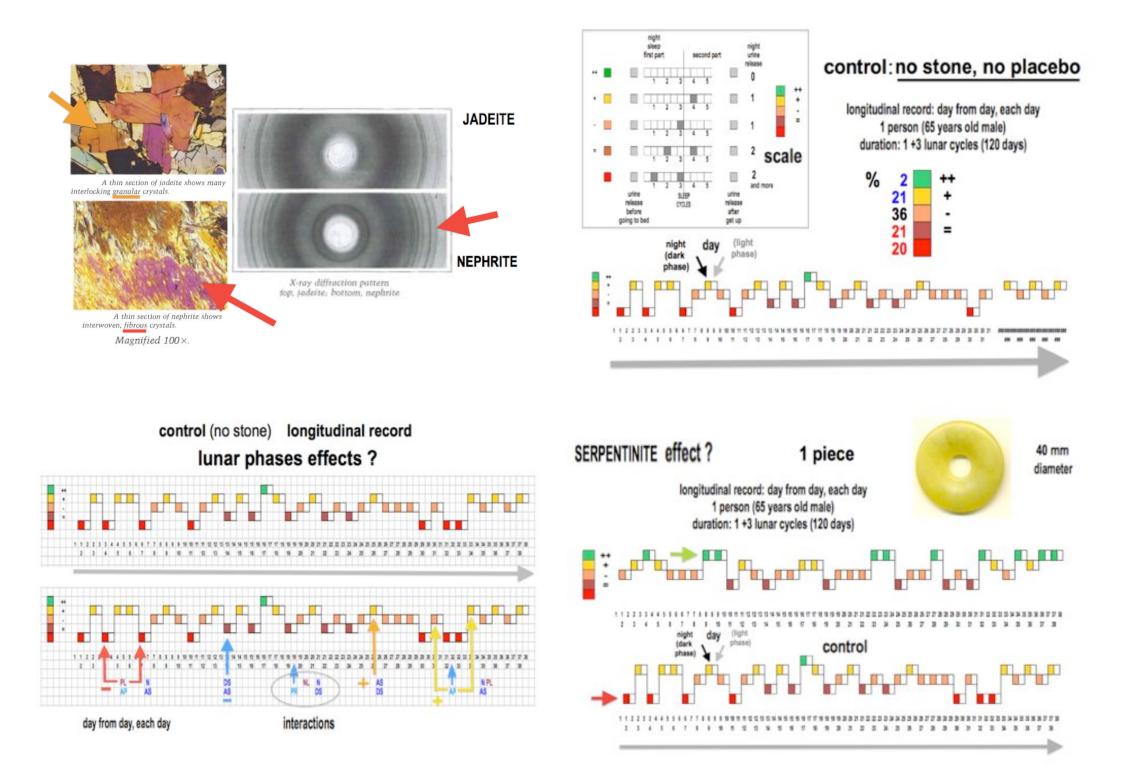
have been marketed as jade, especially nephrite and serpentinite Gemmologists restrict the name to just jadeite and nephrite.





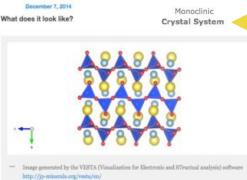
Divide the weight of the substance by the volume.

density



A greenstone - Jadeite

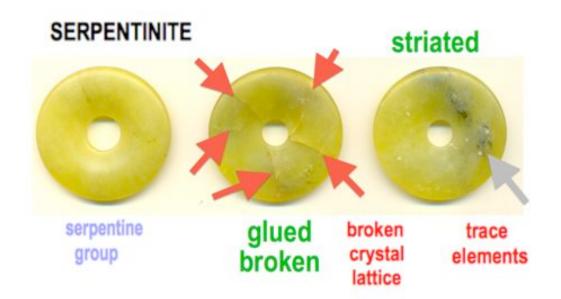


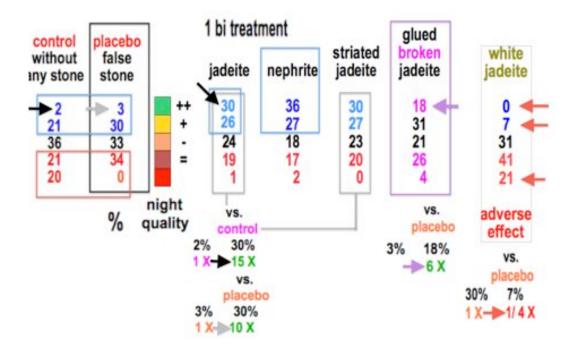


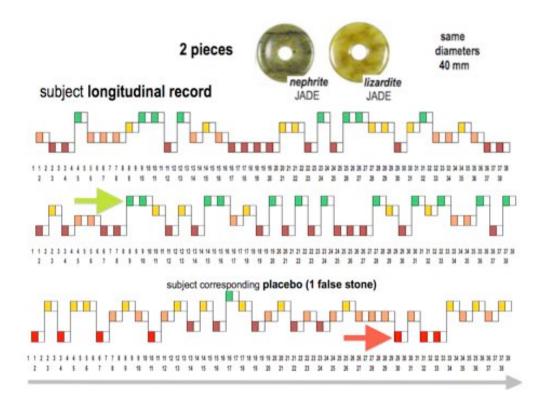
What is it?

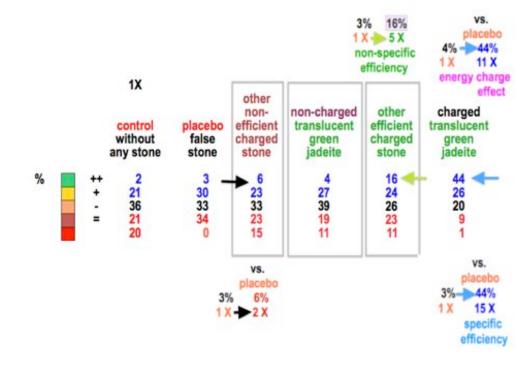
Jadeite is from a family of silicate minerals, called pyroxenes, which are distinctive for their single chains of silicate tetrahedra (the blue shapes with red oxygens in the corners). This particular mineral has sodium (gold) and aluminium atoms (light blue) between the layers. Pyroxene minerals are an important part of the Earth's crust and mantle, and are found in many igneous and metamorphic rocks.

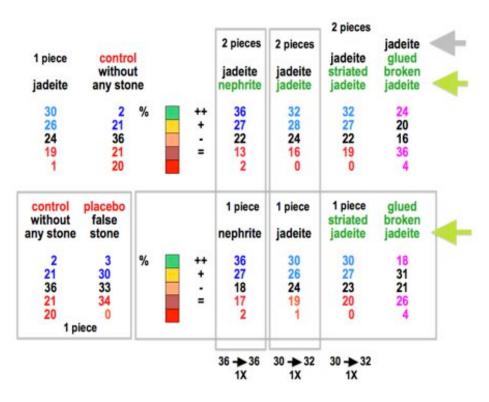




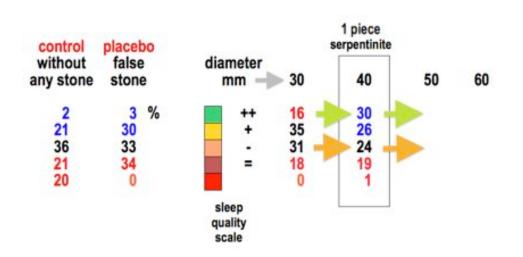


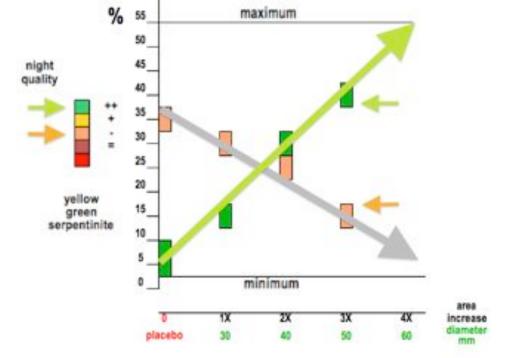


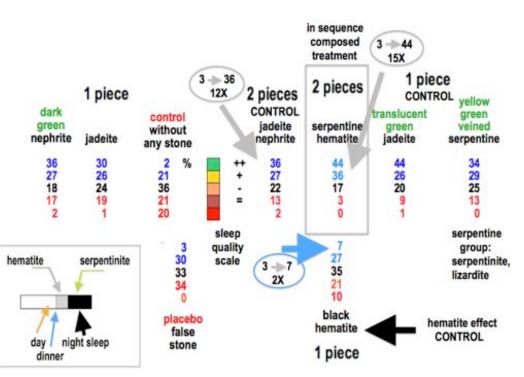








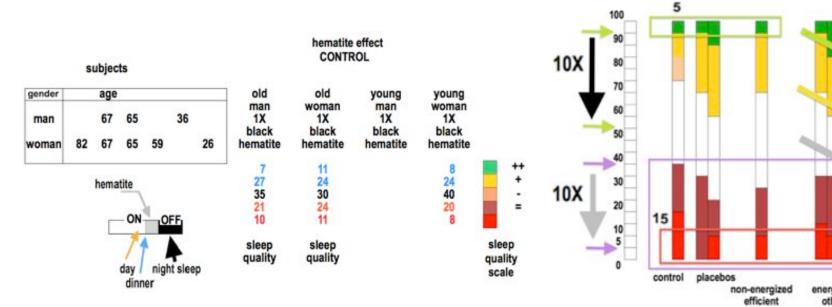


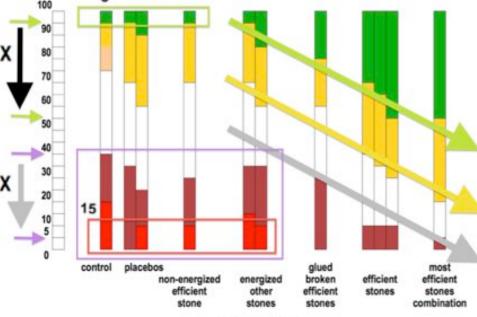




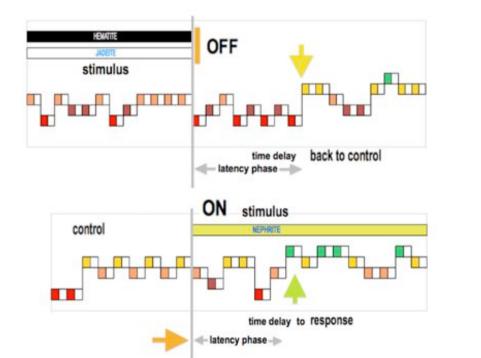


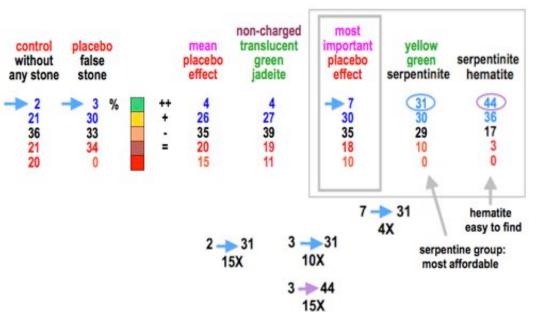






all diameters 40 mm







Goat-headed basket carved from red jasper. Russian, late 19th century





Goldstone Pi Necklace

jasper

an opaque reddish-brown variety of chalcedony, originally denoting any bright-coloured chalcedony other than carnelian

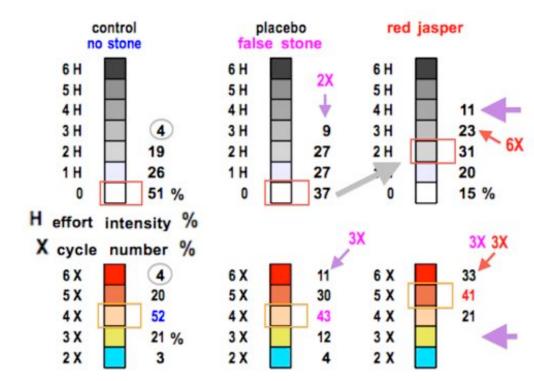
(a kind of hard fine porcelain invented by Josiah Wedgwood and used for Wedgwood cameos and other delicate work)

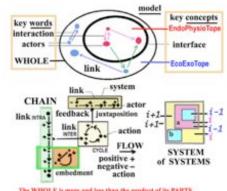
from Old French jasp(r)e, from Latin iaspis, from Greek, of Asian origin.

Jasper, an aggregate of micro-quartz and/or chalcedony and other mineral phases, is an opaque, impure variety of silica, usually red, yellow, brown or green in colour; and rarely blue. The common red colour is due to iron (III) inclusions. The mineral aggregate breaks with a smooth surface and is used for ornamentation or as a gemstone. It can be highly polished and is used for vases, seals, and snuff boxes. The specific gravity of jasper is typically 2.5 to 2.9. Along with heliotrope (bloodstone), jasper (green with red spots) is one of the traditional birthstones for March. Jaspilite is a banded iron formation rock that often has distinctive bands of jasper.

carnelian (also cornelian)

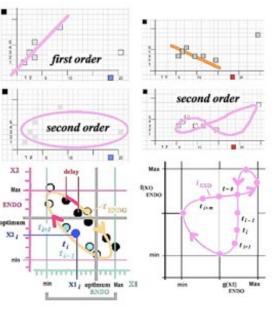
a semiprecious stone, an orange or orange-red variety of chalcedony from Old French corneline; car- from Latin caro, carn- 'flesh.'

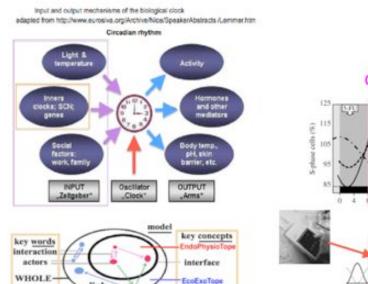




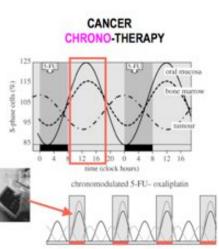
The WHOLE is more and less than the product of its PARTS. The simplest graphic 2D representations are always conics or assembly of conics. The usual space trajectory of a mobile in a field of gravity, is a conic. The same for the time trajectory of a Niving system. In its field of space-time-action it is a conic. **Circle** $X1^{-1} \times X2^{-1} = K$ **Hyperbola** $X1 = X2^{-1} = K$ **Hyperbola** $X1 = X2^{-1} = K$ $X1^{-1}X2^{-1} = (X1^{-1}X2)(X1^{-1}X2) = K$ the WHOLE is the product of the sum and the difference of the parts the WHOLE is the product of the sum and the difference of the parts.

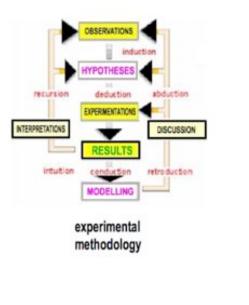






link





reality RANS UNI **TEACHING SYSTEMS & CYBERNETIC SCIENCES** EUA REPORT ON RANKINGS 2013 trans-disciplinary **GLOBAL UNIVERSITY RANKINGS** holistic AND THEIR IMPACT

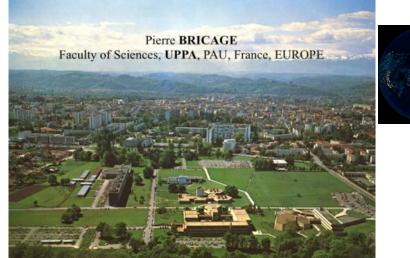
method of thinking



- REPORT II -



Systemic Solutions for Systemic Problems - IASCYS - University of Sichuan at Chengdu, P.R. China, top 10 University



Cybernetics : " The study of circular causal, and feedback mechanisms" " The study of observed systems" (von Foerster)

Second order Cybernetics :

First order Cybernetics :

"The study of observing systems" (von Foerster)

ASC President died on December 20th 2014 **IASCYS Vice-President**, founding member





Ranulph GLANVILLE **Second Order Cybernetics** http://www.facstaff.bucknell.edu/jvt002/brainmind/Readings/SecondOrderCybernetics.pdf

(Macy conferences)

http://web.univ-pau.fr/~bricage