

NON ZERO RATIO



NON ZERO RATIO ®

MISSION & VISION

To develop and demonstrate the NON ZERO RATIO ® generic problem-solving toolbox

A rigorous innovation process using logic and Nobel-prize winning insights!

- PANDORA™ ALGORITHM A PROBLEM-SOLVING *PROCESS*
- NON ZERO BEHAVIOR™ OPTIMAL PROBLEM-SOLVING *BEHAVIOR* (GROUP AND INDIVIDUAL)

INGREDIENTS

Based upon important existing insights

- mapping of logic
 - cause-and-effect lies behind all systematic problems
 - Body of Knowledge related to Theory of Constraints (Goldratt Thinking Processes)
- decision-making in uncertainty
 - works of Kahneman et al
- segment analysis
 - problems that have not been solved since long have led to segments that are in competition *undesirable effects*
 - these segments are the key to the "Ideal Final Solution (cfr TRIZ)
- Complexity
 - next adjacent possible principle (Kauffman)
 - system vs super-system
- win-win
 - John Nash demonstrated that cooperation yields better solutions than non-cooperation => problem-solving needs to target win-win if the best solutions are to be found.
 - The field of interest: *non zero sum games*
 - refusing to communicate is in line with the optimum problem-solving strategy
 - negative convictions between people are caused by insufficient problem-solving capacity and generate instabilities

NAME ORIGIN: NON ZERO RATIO

- RATIO
 - refers to the use of cause-and-effect logic as the main means to solve problems
- NON ZERO
 - NON ZERO is extracted from NON ZERO SUM games and refers to the goal of solving problems in win-win
 - is, as the logo shows, a barred zero, better known as the greek symbol "phi"
 - PHI is better known as "the golden ratio", and related to beauty
- "NON ZERO RATIO" therefore is a metaphor
 - ratio refers to thinking
 - non-zero refers to the golden ratio
 - golden ratio meaning "beautiful thinking"
 - beautiful thinking being related to win-win thinking (non-zero sum games)

THE PEOPLE BEHIND NON ZERO RATIO

- The toolbox brings together into a single framework insights from John Nash, Daniel Kahneman, George A. Miller, Eli Goldratt, Stuart Kauffman, ...
- Author endorsing NON ZERO RATIO

CONTACT

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- Routeplanner Google Maps

DOWNLOADS

- This webpage (pdf, English)
- Map to my office
- Problem-Solving elements in Project Management
- Presentation for PMI Belgium (May 6th, 2009) on Quality In Projects
- Example of Segmentation Analysis to derive Ideal Final Solution
- Example analysis : NON ZERO RATIO applied to traffic jam problem

NON ZERO RATIO Material on other sites

- Abstract @ VUB ECCO
- Introduction to NON ZERO RATIO
- Presentation pdf (5.5 MB)