

S-BPM ONE DAY, Karlsruhe, 2009/10/22

SUBJECT ORIENTATION METHOD – THE MISSING LINK BETWEEN INDIVIDUALS AND MACHINES IN REGARD TO TRUTH

Dipl.-Ing. Dr.techn. Christian Fichtenbauer

Initial Situation



What do you feel watching these pictures?



A Thesis About The Truth (based on constructive radicalism)

§ Everything, which is perceived, is individually interpretable and there are different, content depending realities about these perceptions, however, which must not be mandatorily disjoint. These realities are always real from the view of the respective individual interpreter, this reality is neither real nor wrong from the view of the external receivers of this interpretation. So it can only exactly be true if at the time of t the individual interpretation is identical with the interpretation of the receiver of the interpretation.

compare Hörmann/Haeseler (Hsg), Die Finanzkrise als Chance, LexisNexis, Vienna, 2009

§ But in our economical life we just want to reduce this truth to formulas.

Calculation Of Profitability

$$EW = \sum_{t=1}^T \frac{E_t}{(1-i)^t}$$

t index of periode of profatibility

EW profatibility

i interest rate

T horizon of planning

$$EW = \sum_{t=1}^T \frac{E_t + \tilde{V}(t)}{(1-i)^t} = \sum_{t=1}^T \frac{E_t}{(1-i)^t} + \sum_{t=1}^T \frac{\tilde{V}(t)}{(1-i)^t}$$

Calculation Of Profitability

$$\tilde{V}(t) := \begin{pmatrix} \tilde{v}_k(t) \\ \tilde{v}_m(t) \\ \tilde{v}_l(t) \end{pmatrix}$$

$$\tilde{V}(t) := \begin{pmatrix} \tilde{v}_{k_{11}}(t) & \cdot & \cdot & \cdot & \tilde{v}_{k_{1n}}(t) \\ \cdot & \cdot & \cdot & \cdot & \cdot \\ \cdot & \cdot & \cdot & \cdot & \cdot \\ \cdot & \cdot & \cdot & \cdot & \cdot \\ \tilde{v}_{k_{m1}}(t) & \cdot & \cdot & \cdot & \tilde{v}_{k_{mn}}(t) \end{pmatrix}$$

lim

\sum

$$\tilde{v}_m(t) := \begin{pmatrix} \tilde{v}_{m_{11}}(t) & \cdot & \cdot & \cdot & \tilde{v}_{m_{1n}}(t) \\ \cdot & \cdot & \cdot & \cdot & \cdot \\ \cdot & \cdot & \cdot & \cdot & \cdot \\ \cdot & \cdot & \cdot & \cdot & \cdot \\ \tilde{v}_{m_{m1}}(t) & \cdot & \cdot & \cdot & \tilde{v}_{m_{mn}}(t) \end{pmatrix}$$

$$\tilde{v}_l(t) := \begin{pmatrix} \tilde{v}_{l_{11}}(t) & \cdot & \cdot & \cdot & \tilde{v}_{l_{1n}}(t) \\ \cdot & \cdot & \cdot & \cdot & \cdot \\ \cdot & \cdot & \cdot & \cdot & \cdot \\ \cdot & \cdot & \cdot & \cdot & \cdot \\ \tilde{v}_{l_{m1}}(t) & \cdot & \cdot & \cdot & \tilde{v}_{l_{mn}}(t) \end{pmatrix}$$

We FORGET The Human Interactions

Socio-Technical System

People



- Relation Of Interactions (Processes)
- Capabilities
- Perception Of Values
- Needs
- Expectations Of Behavior (Roles)

Supported by IT



Synchronization

Of Asynchronous Processes

What Do We Need Describing A Socio-Technical System

- § Actors and the exchanged messages between these actors
- § Only the knowledge of the actors can define the grade of detail of their activities and the messages.
- § So we need to follow the natural language in regard
 - ú Subject
 - ú Predicate
 - ú Object