

Thoughts for a complementary view to the Classic Economic Mindset

Peter Bretscher © 2012

<https://bengin.com/>

<https://insede.org/>

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(Attendees ickc June 12, 2012)
- Updates and further information see:
http://bengin.net/12/ickc_e.htm

Agenda

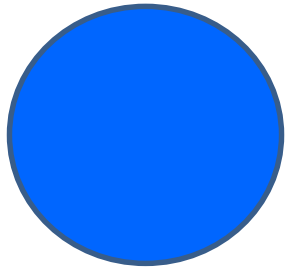
- Peter Bretscher
Practical need for model that integrates intangibles
- Findings & Project
- 3 Levels of Enterprise
- Values, Visuals & Framework beyond Smith & Co
- Links

**PETER BRETSCHER,
PRACTICAL NEED FOR MODEL THAT
INTEGRATES INTANGIBLES**

- Professional Mechanician (Handwork)
- Professional Engineer (Mindwork)
(R&D, Production, Marketing, IP-Rights,
transdisciplinary trouble-shooting, special tasks....)
- **Δ between real live and (business) theory**
- Technology & Knowhow Transfer
 - no books, no theory, no best practise....
 - need for inventing a model realize T'Transfer
(one that includes knowledge and other intangibles)

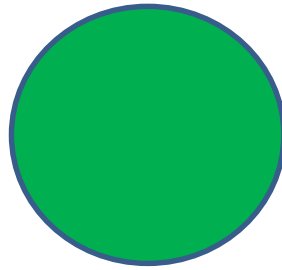
Obstacles – why?

World 1



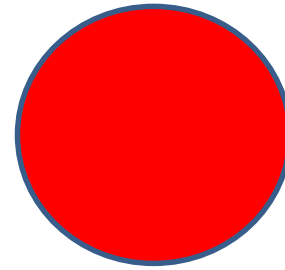
**real
reality**

World 2



**experienced
reality**

World 3



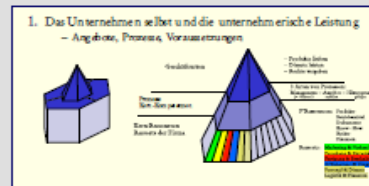
**explained
reality**

FINDINGS & PROJECT

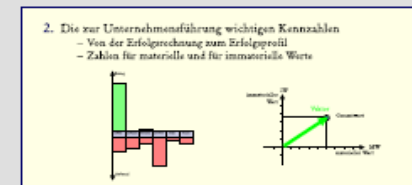
1. Bottom up structuring reality, 3D-Models

2. Metrics that enables quantifying subjective dimension of value

1. Strukturieren



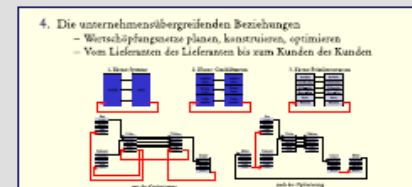
2. Quantifizieren



3. Orientieren



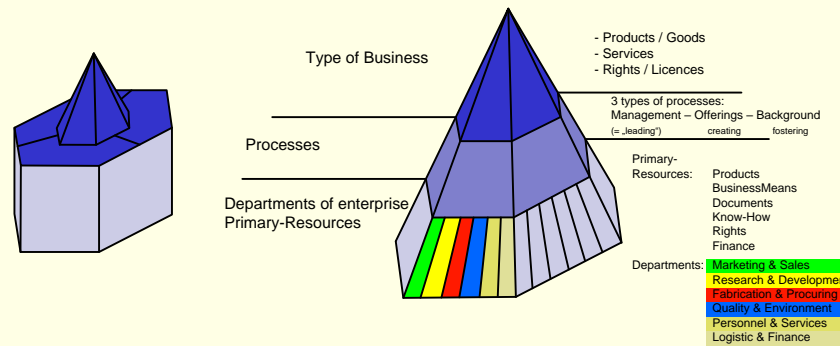
4. Optimieren



Four main views

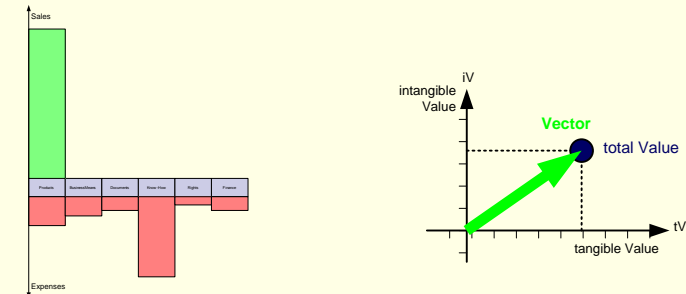
1. Structuring the Elements of a Corporation

Three levels: Offerings, Processes, Prerequisites



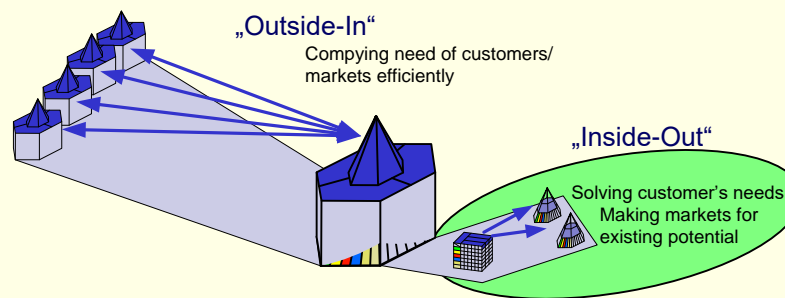
2. Quantifying means (numbers and indicators)

- from P&L account to the P&L profile
- numbering system for tangible and intangible values



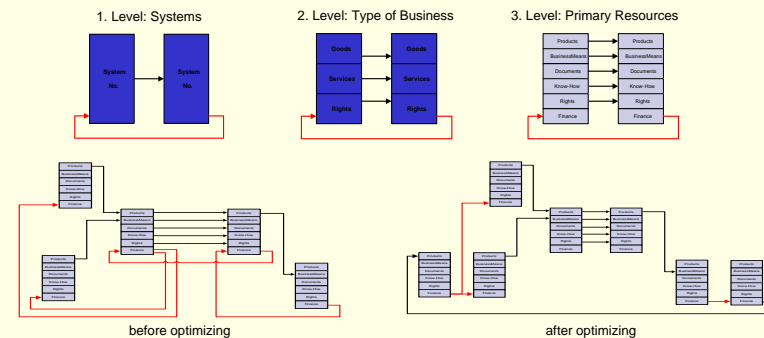
3. Development of Enterprise (Strategies, options....)

- Market-oriented (outside-in) and offerings-oriented (inside-out)

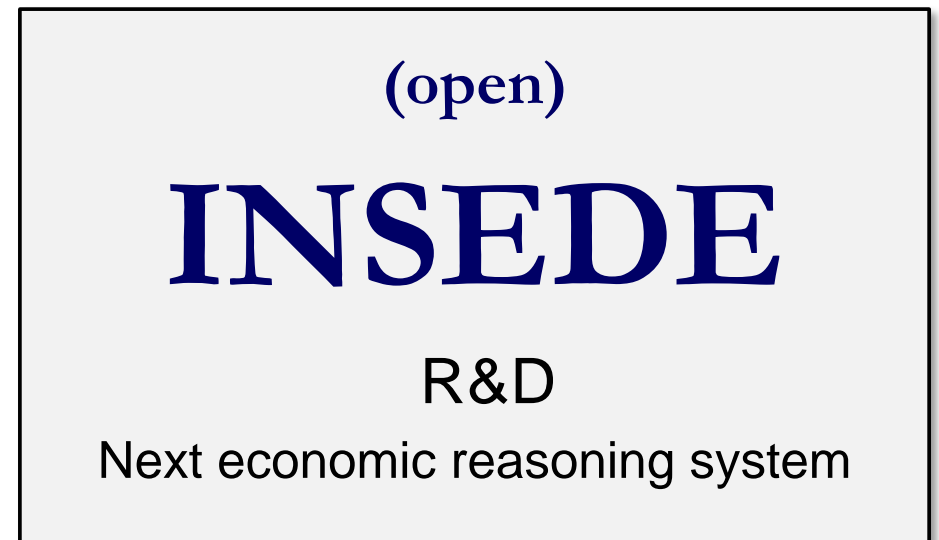


4. Closed Loop Business Relations

- planning, design, optimize Value Adding Net [VAN], beyond borders
- from the supplier of the supplier to the customer of the customer



- Economic theory is a product, a tool that no longer fits the needs.
- Task
Develop a new theory from bottom up that includes (tangible and intangible assets) and that makes subjective valuation quantifiable.
- Huge preliminary work
3D Models, 300 GB
Registered Copyright



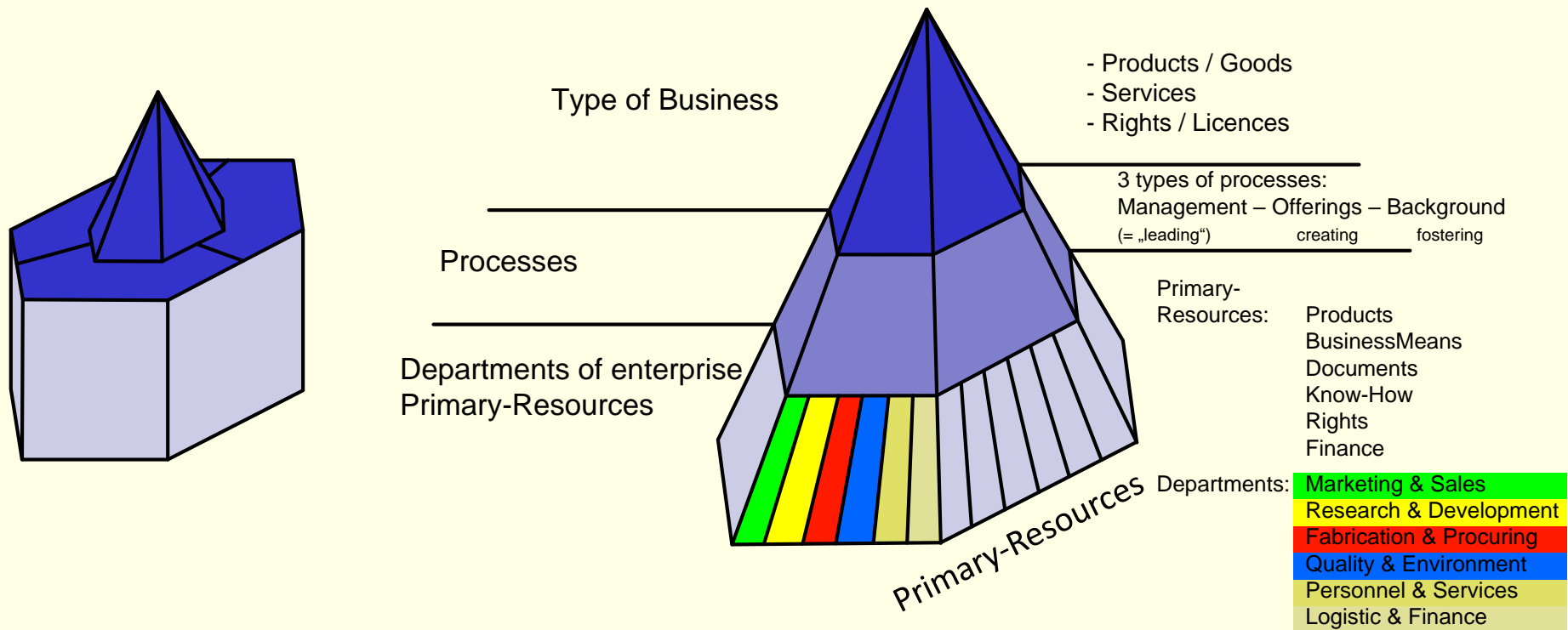
INSEDE

(open) Institute for Sustainable Economic Development

3 LEVELS OF ENTERPRISE

1. Structuring the Elements of a Corporation

Three levels: Offerings, Processes, Prerequisites

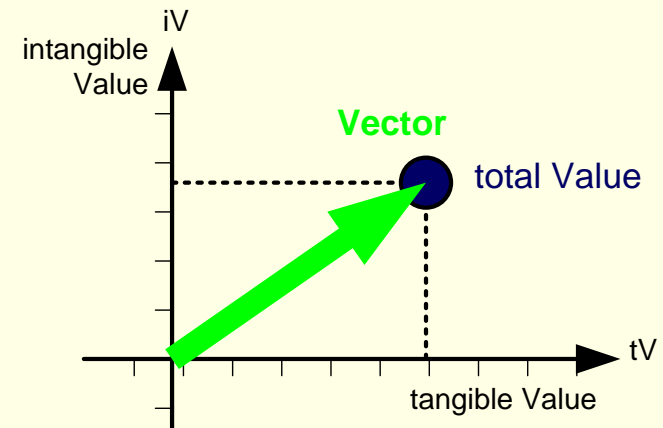
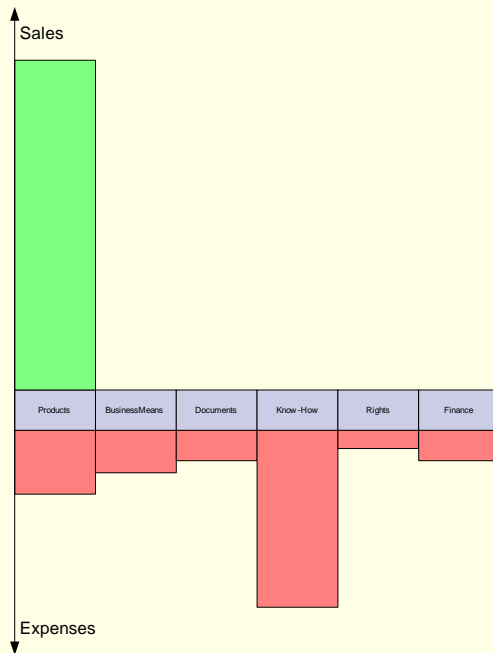


Vector Type 1

**VALUES, VISUALS & FRAMEWORK
BEYOND SMITH & CO**

2. Quantifying means (numbers and indicators)

- from P&L account to the P&L profile
- numbering system for tangible and intangible values



Vector Type 1

Enterprise

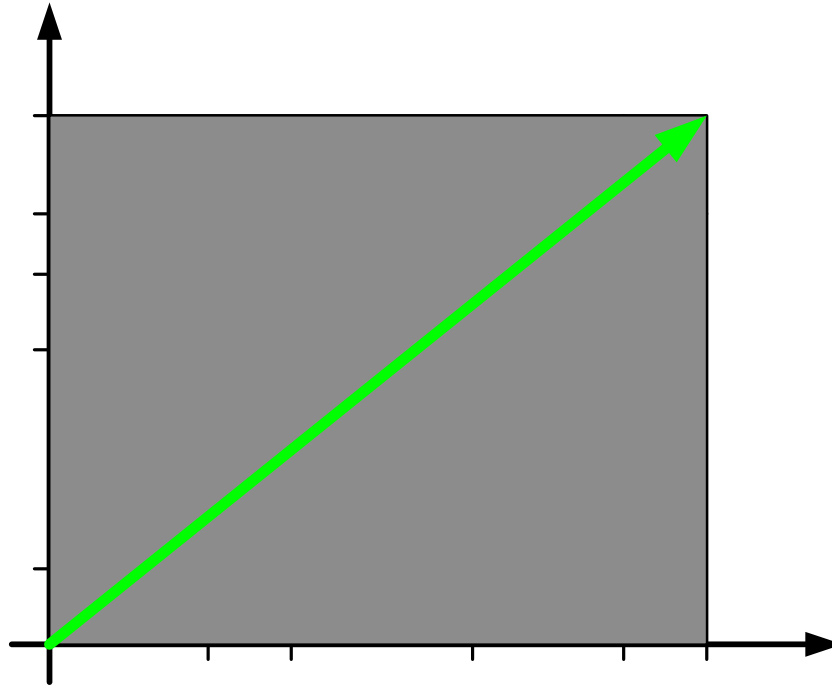
Metrics

Quantitative metric

Objective metric

Qualitative metric

Subjective metric



Units

gallons

%

i\$

pounds

\$

squaremeter

meter

sec

manhour

Number of pieces

Vector Type 1

Metrics

Quantitative metric

Objective metric

Qualitative metric

Subjective metric

Units

gallons

%

i\$

pounds

\$

squaremeter

meter

sec

manhour

Number of pieces

Clusters

Functional departments

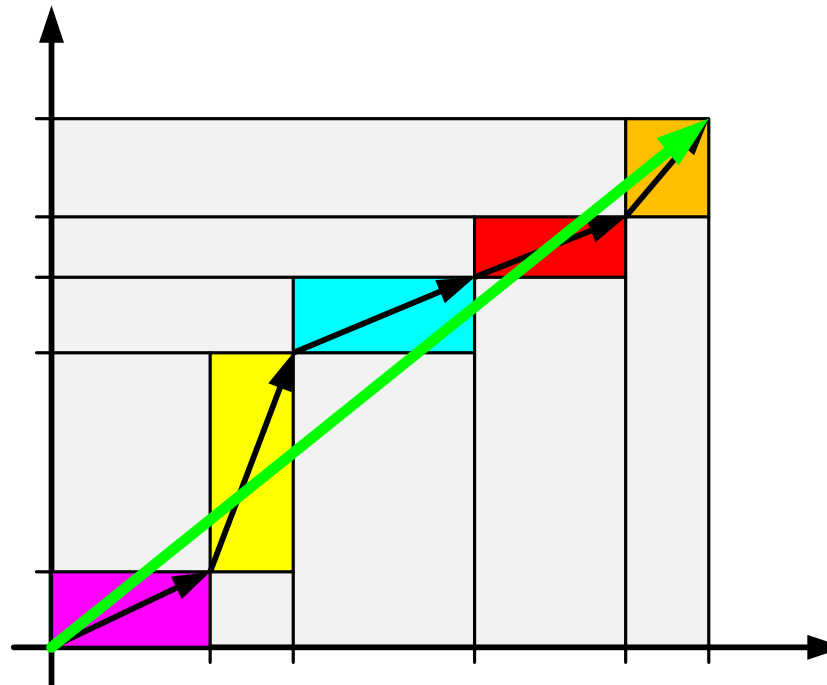
Business units

Countries

Products

Sales regions

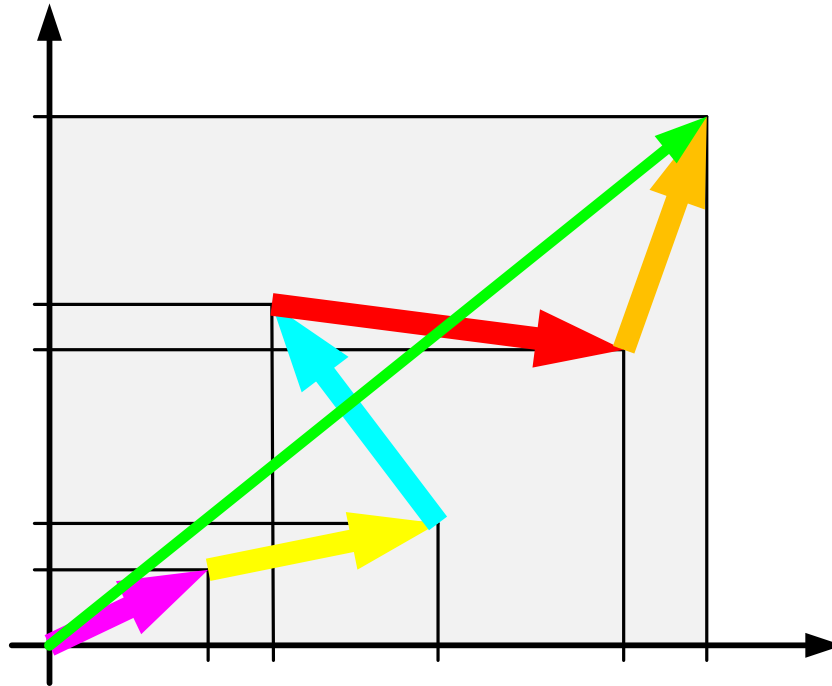
Balanced Scorecard



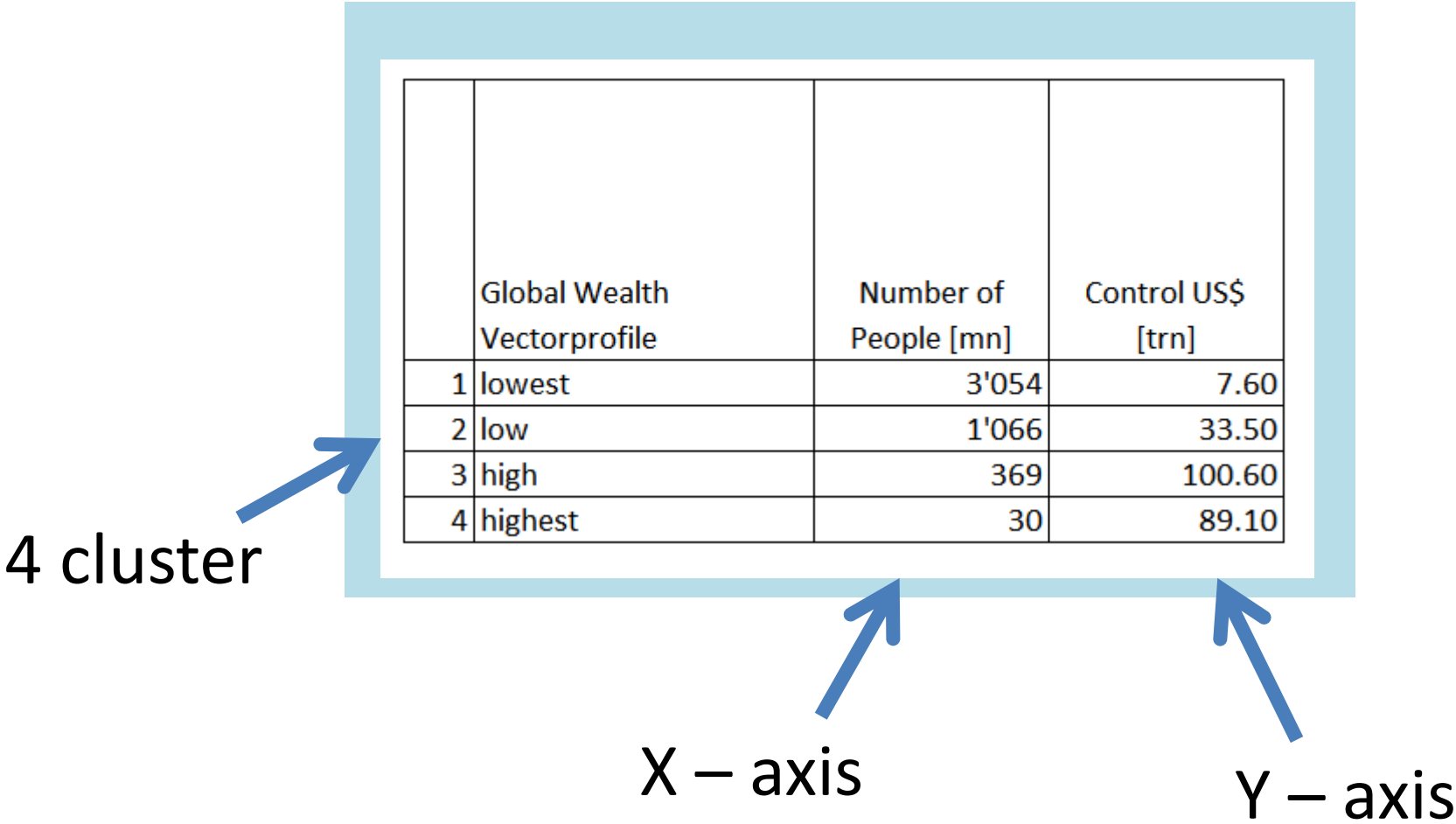
Vector Type 1

No rectangle

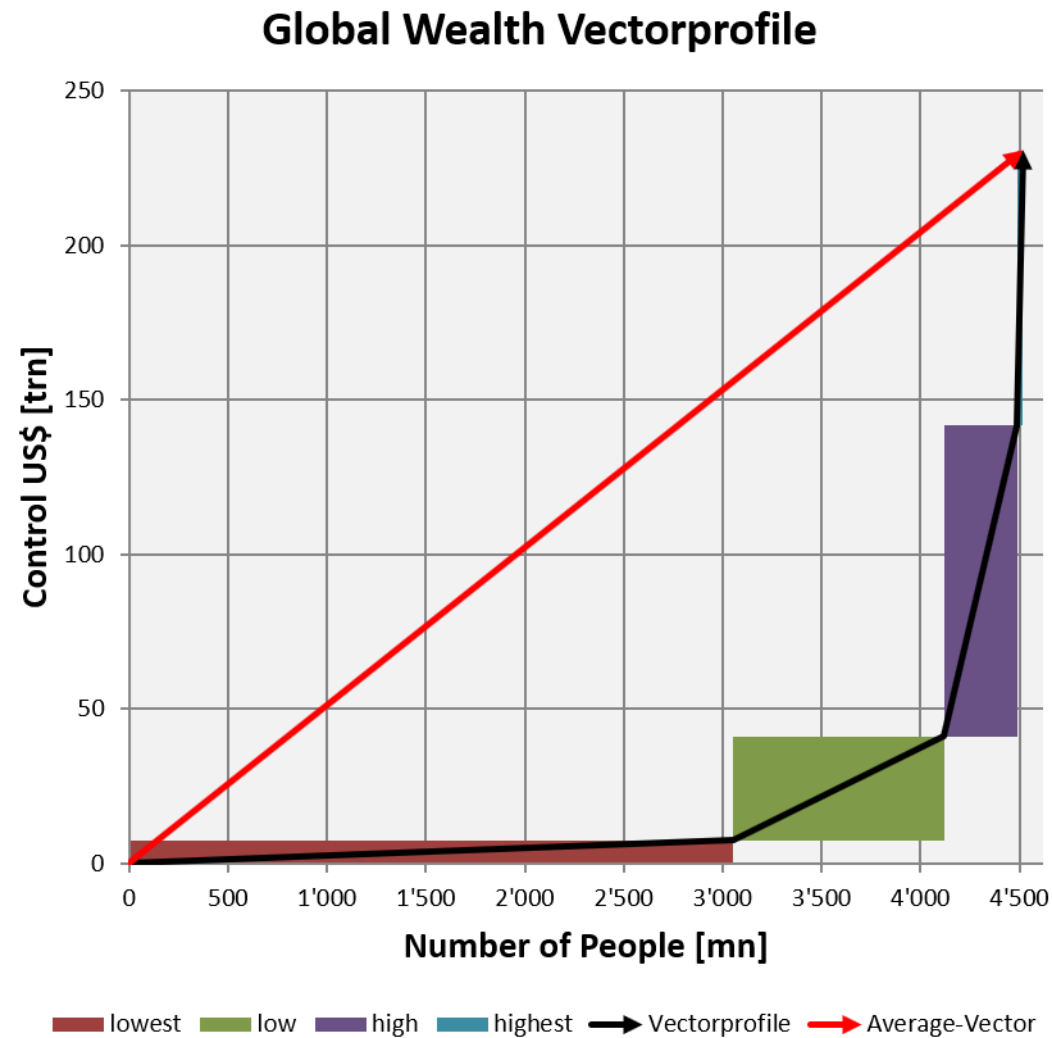
For more complex visualizations
For comparison with other vector profiles



Vector Type 1

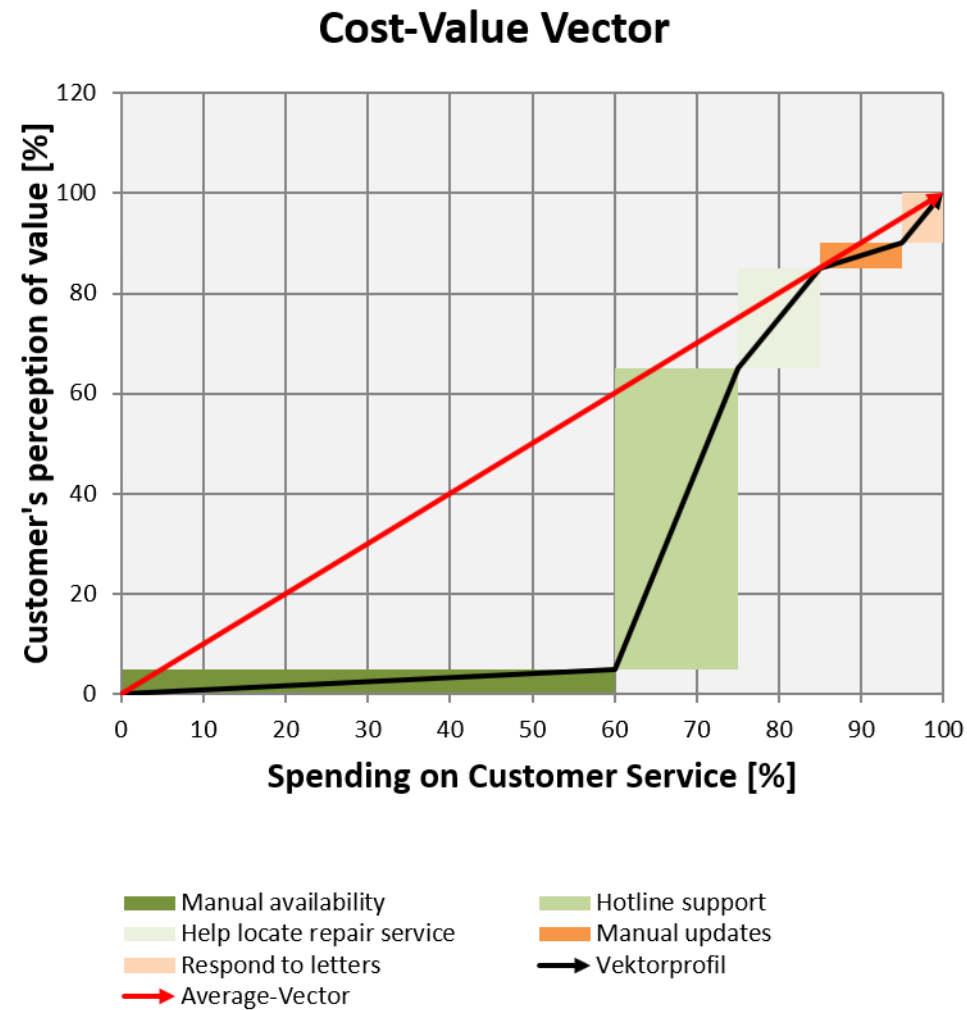


Vector Type 1



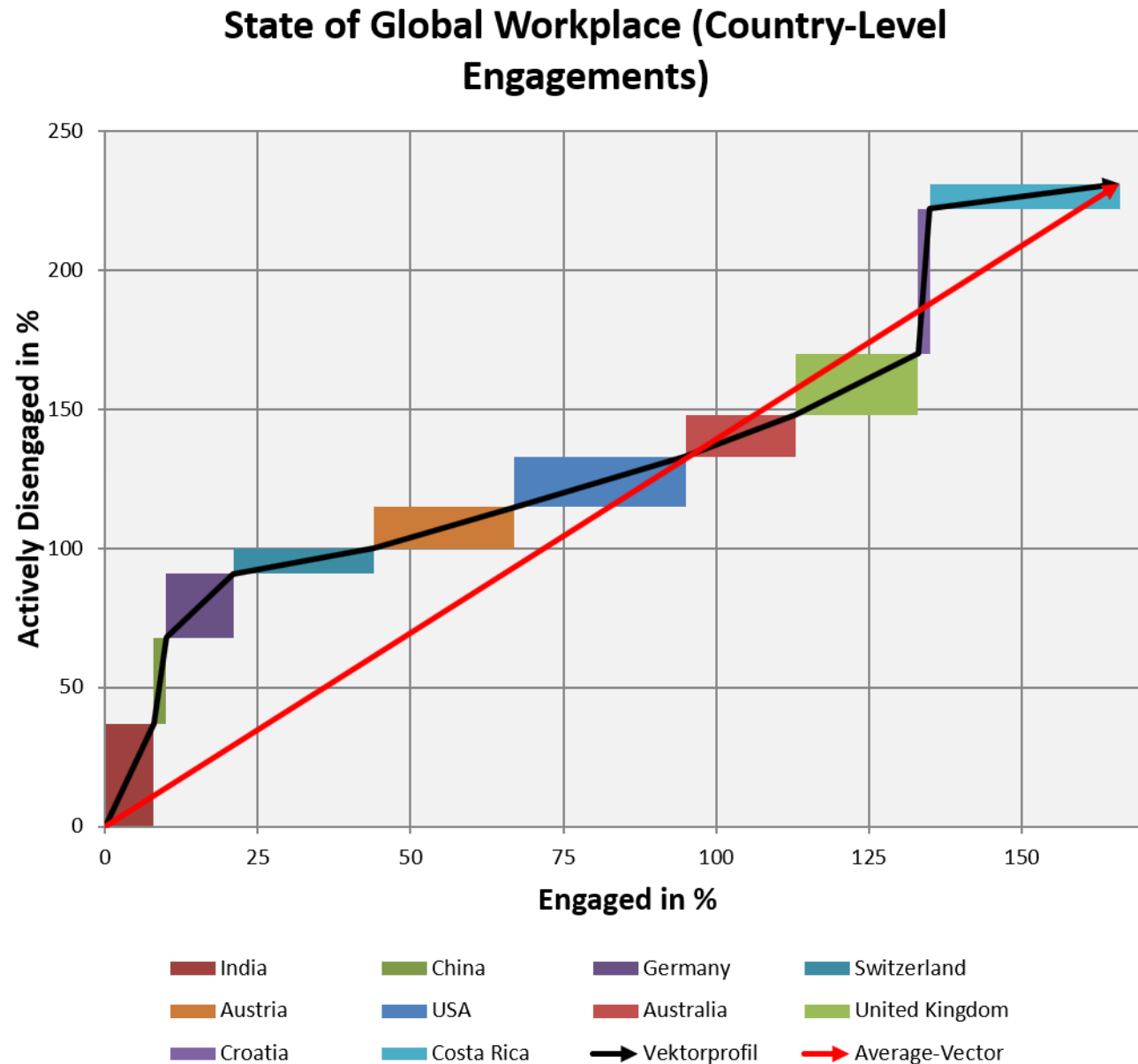
http://bengin.net/beta/04_global_wealth_vector_cs_e.xlsx

Vector Type 1



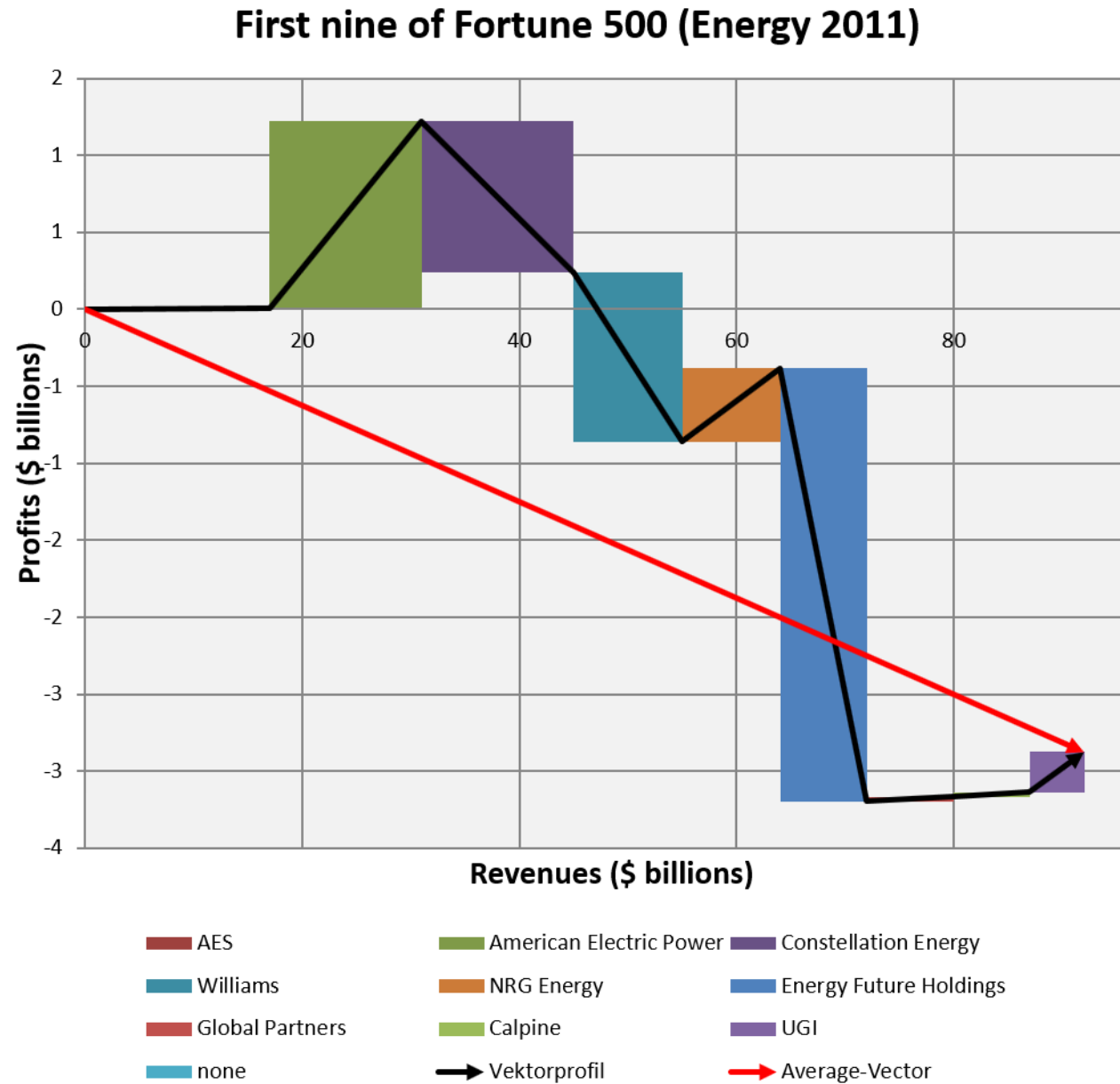
http://bengin.net/beta/05_cost_value_vector_e.xlsx

Vector Type 1



http://bengin.net/beta/10_global_workplace_gallup_2011_e.xlsx

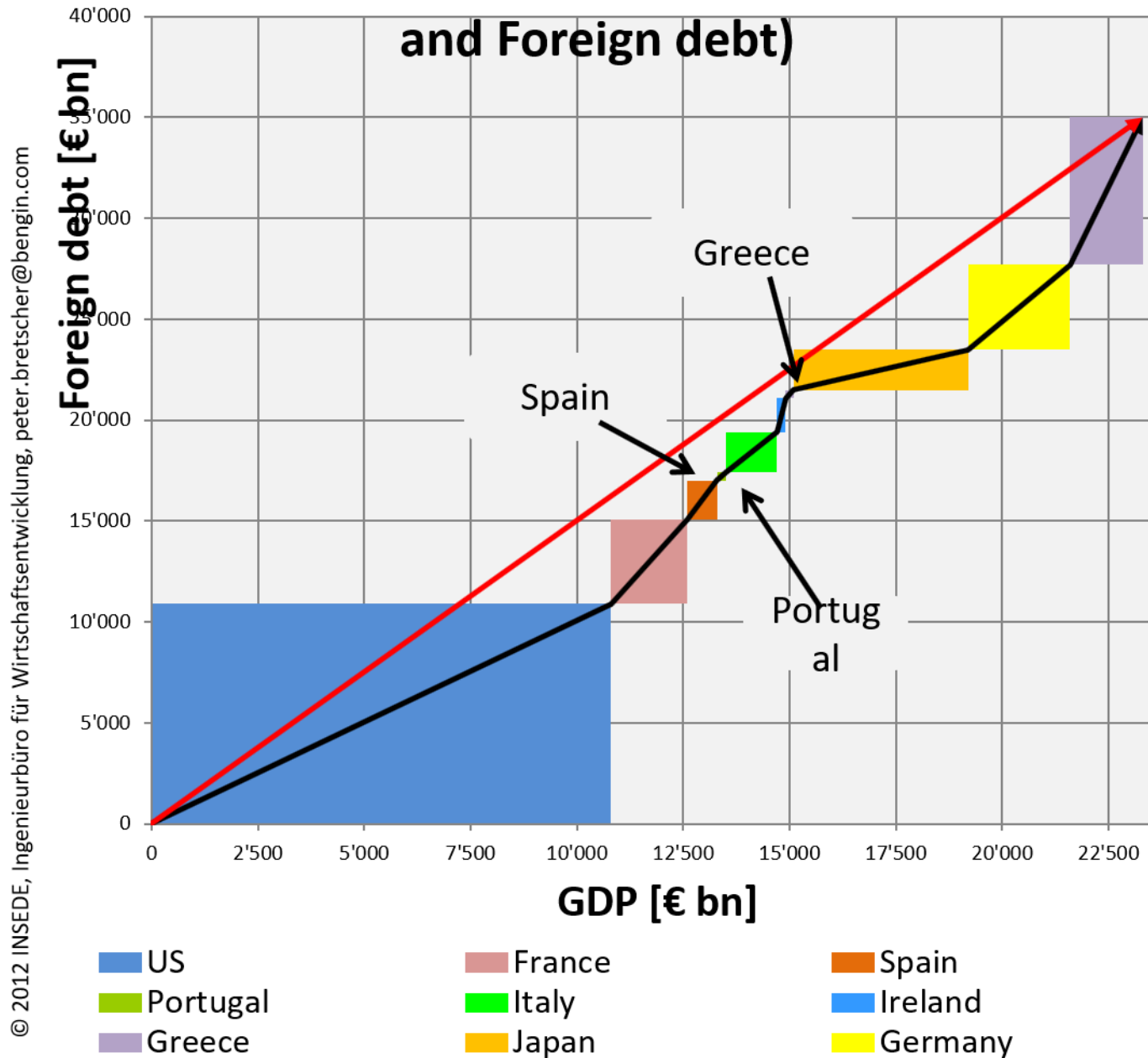
Vector Type 1



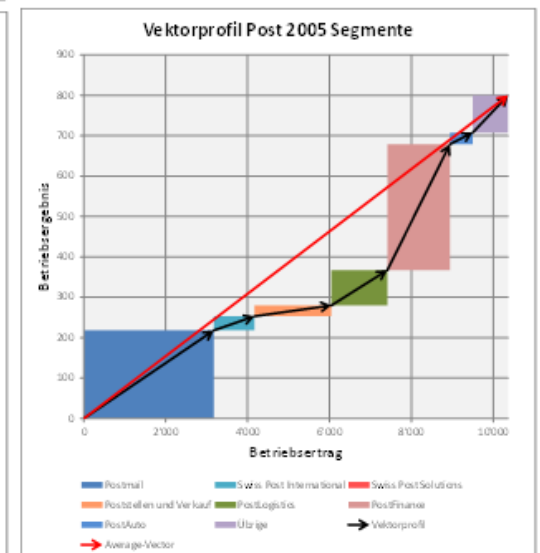
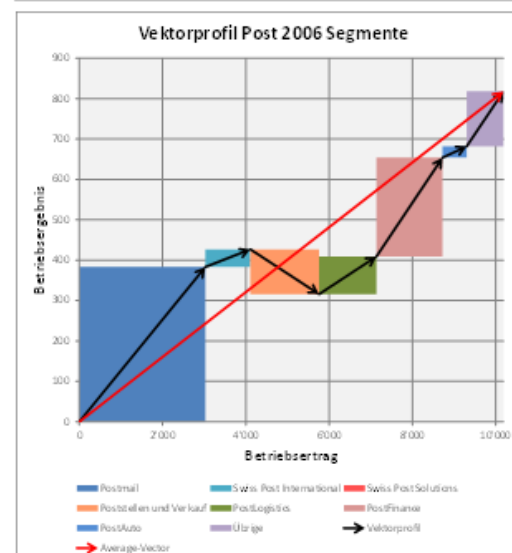
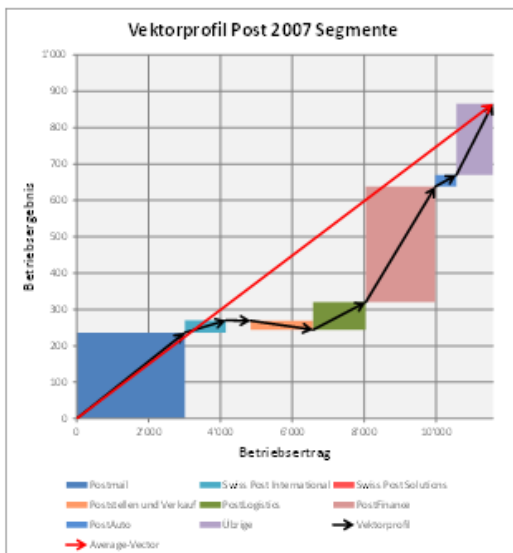
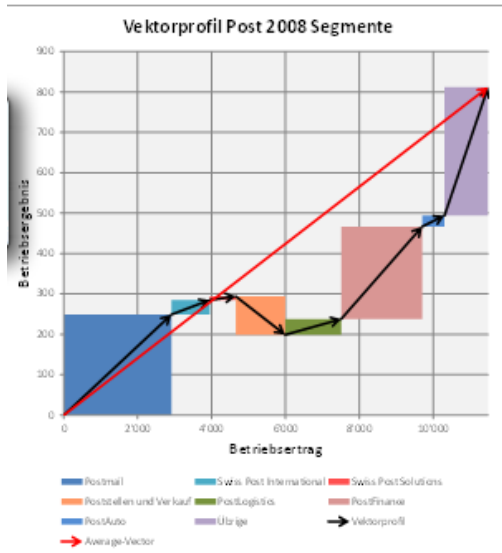
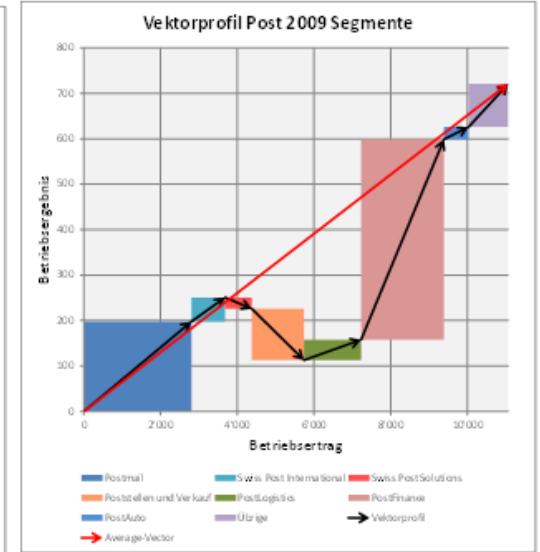
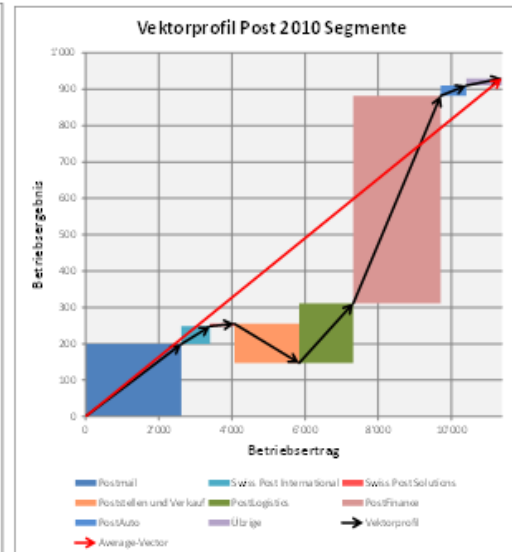
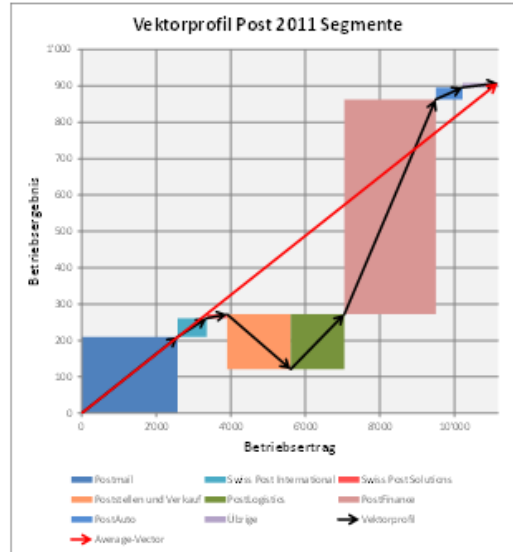
http://bengin.net/beta/10_fortune500_energy_rect_e.xlsx

Vector Type 1

Vector Profile Eurozone, US & Japan (GDP and Foreign debt)

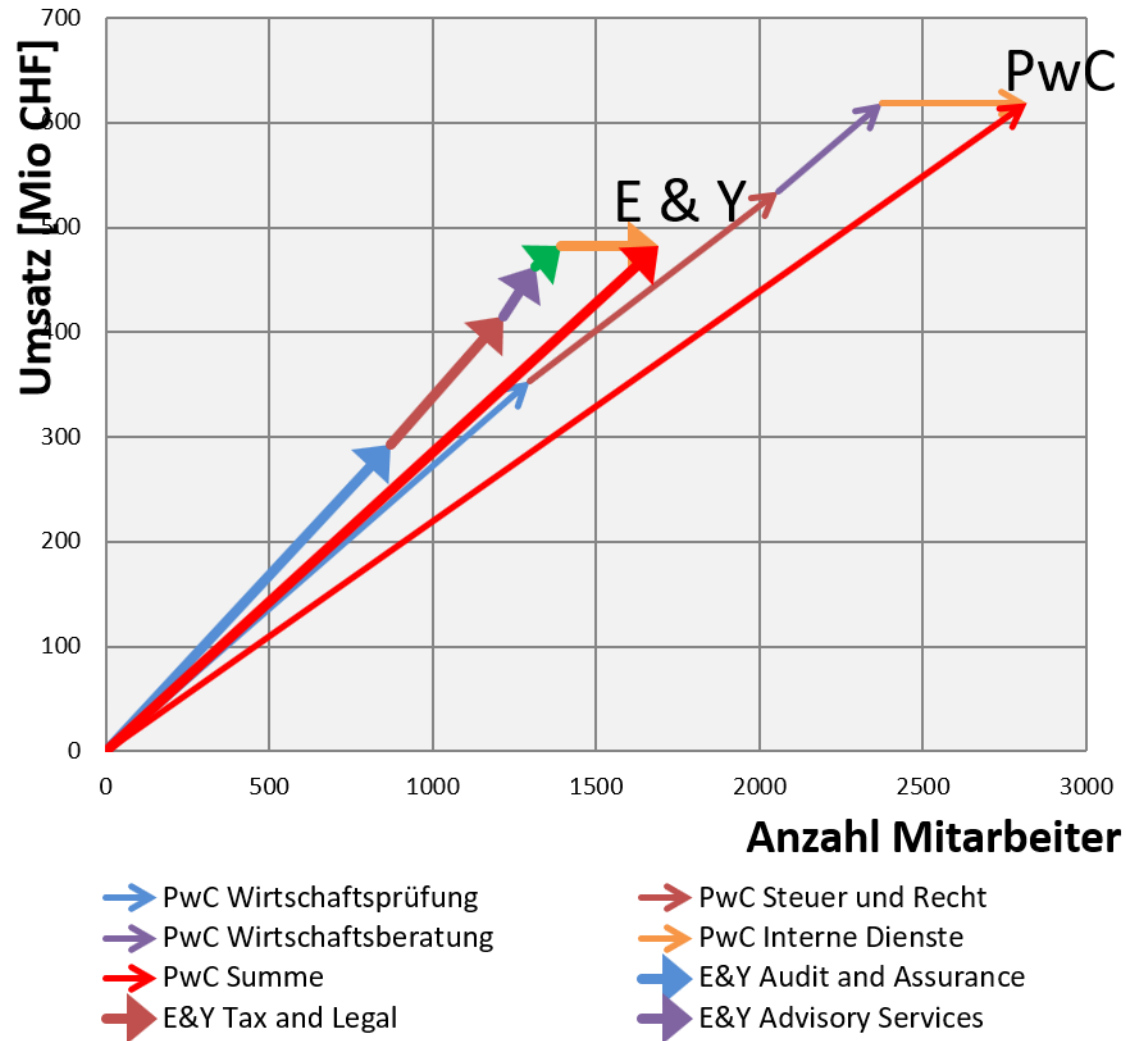


Vector Type 1



Vector Type 1

Performancevector: Vergleich PwC 2011 mit Ernst & Young 2006



(C) 2011 peter.bretscher@bengin.com www.performancevector.net

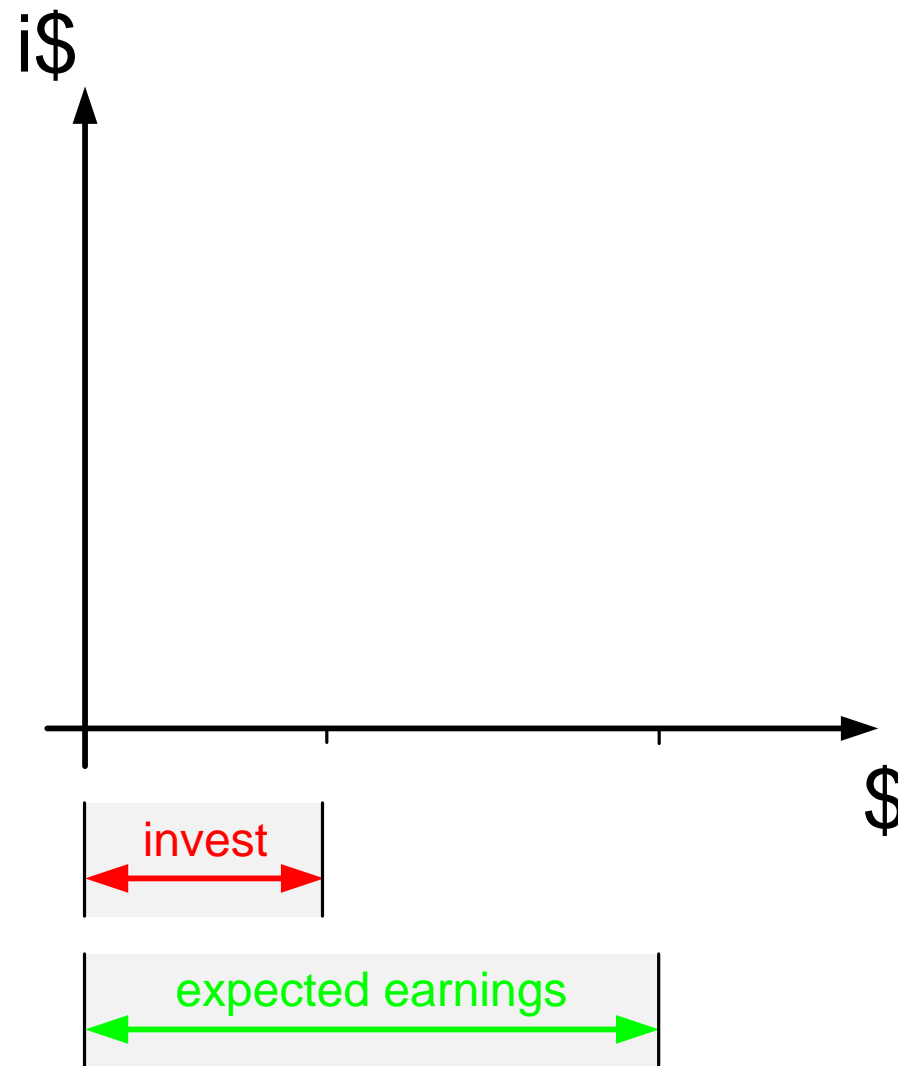
http://bengin.net/beta/pwc_ey_2_performancevector_d.xlsx

Vector Type 2

**VALUES, VISUALS & FRAMEWORK
BEYOND SMITH & CO**

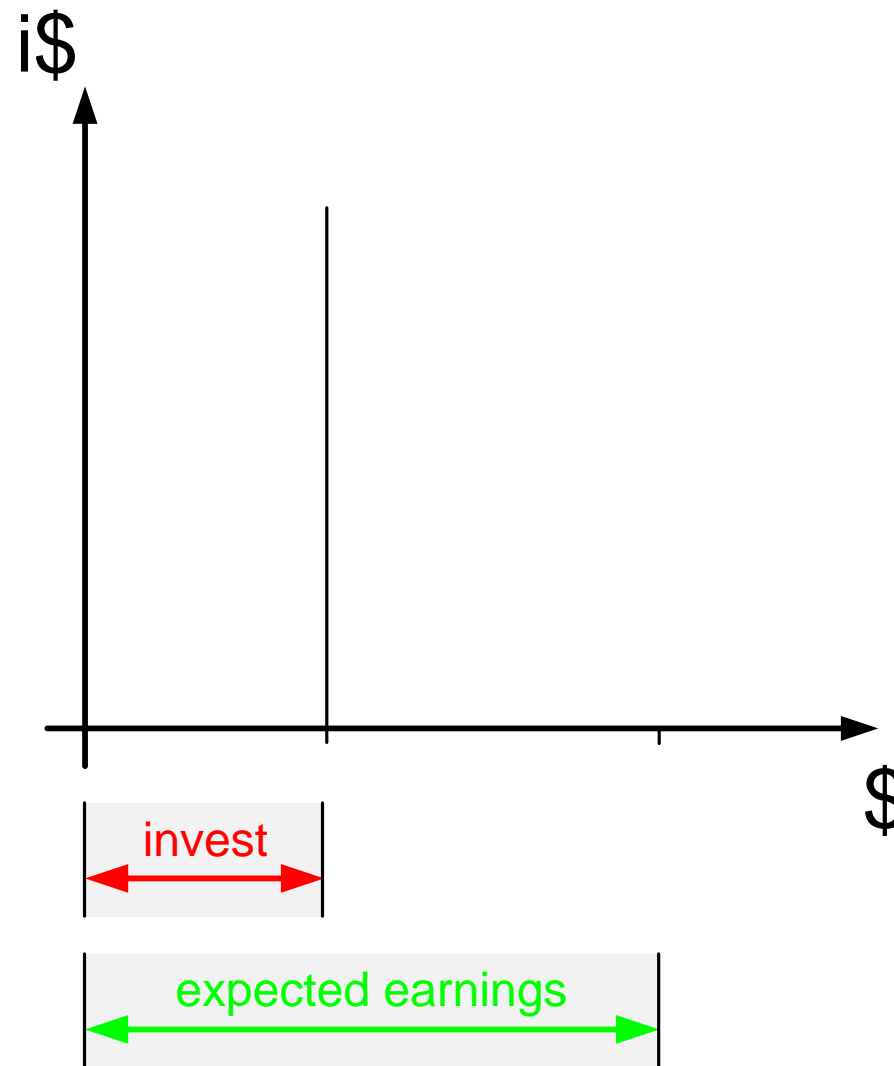
Vector Type 2

Business potential of a project



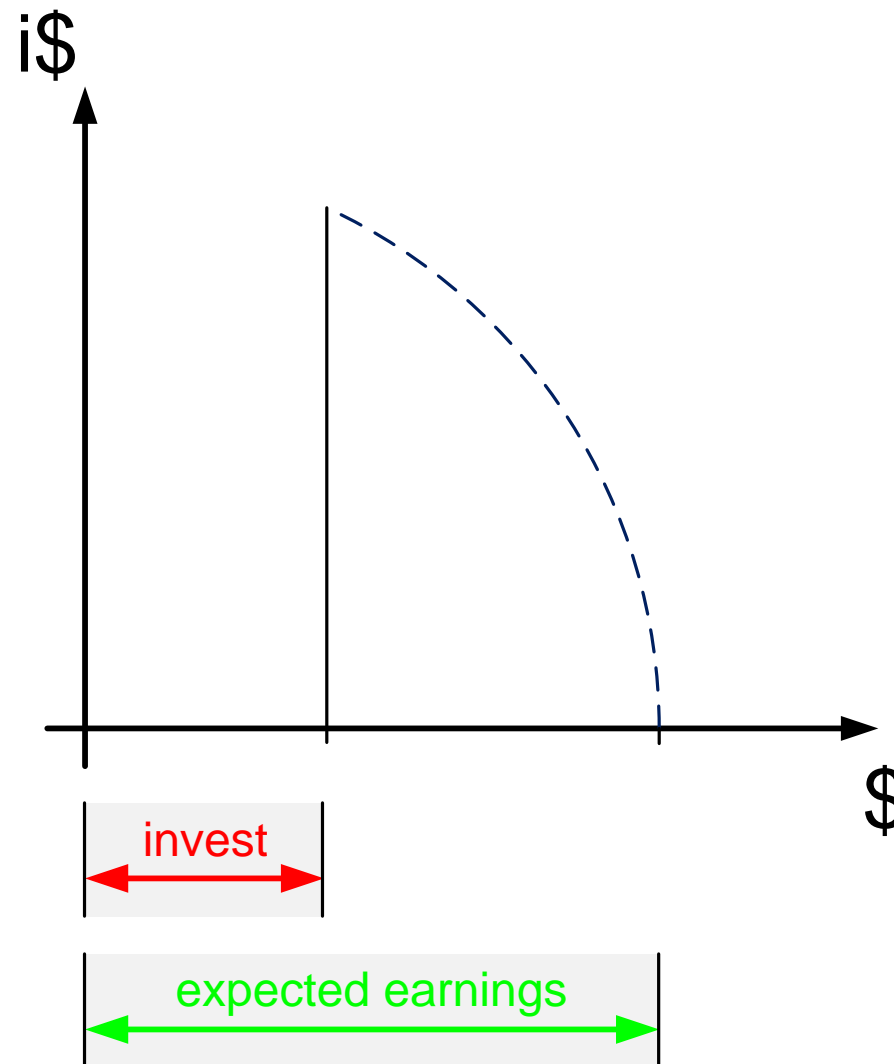
Vector Type 2

Business potential of a project



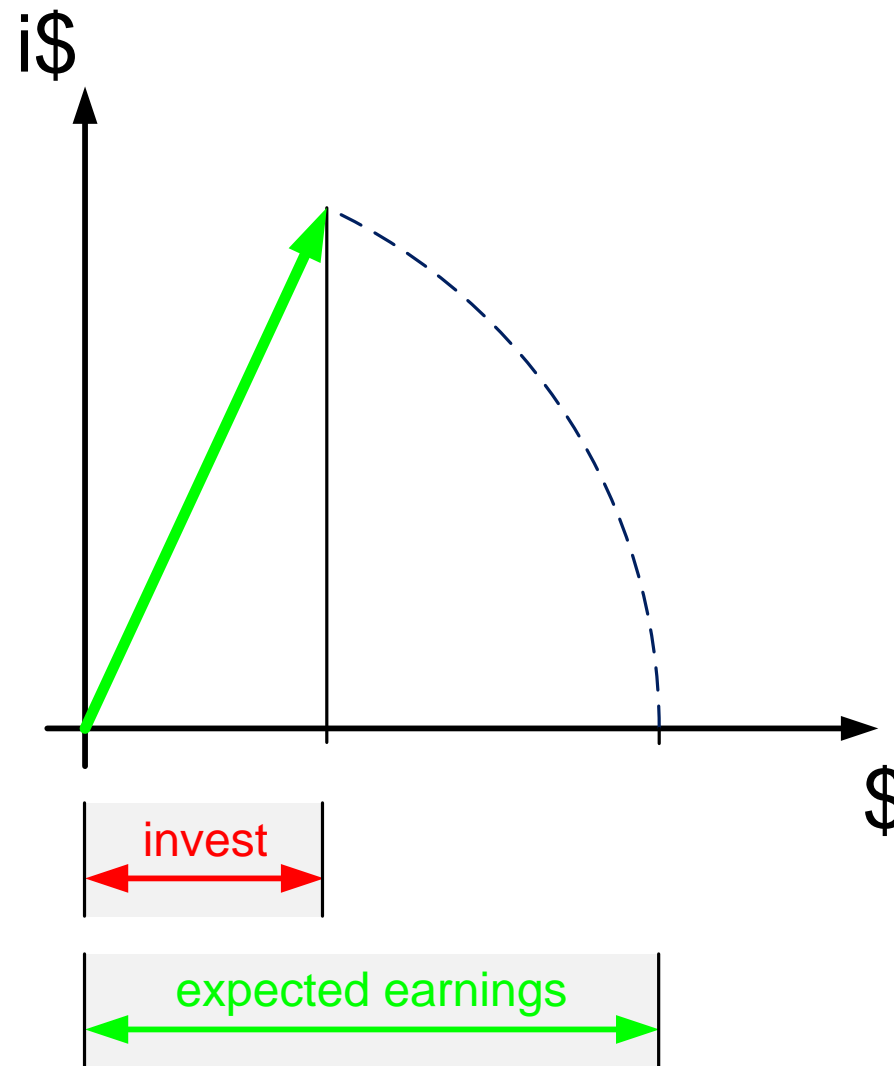
Vector Type 2

Business potential of a project



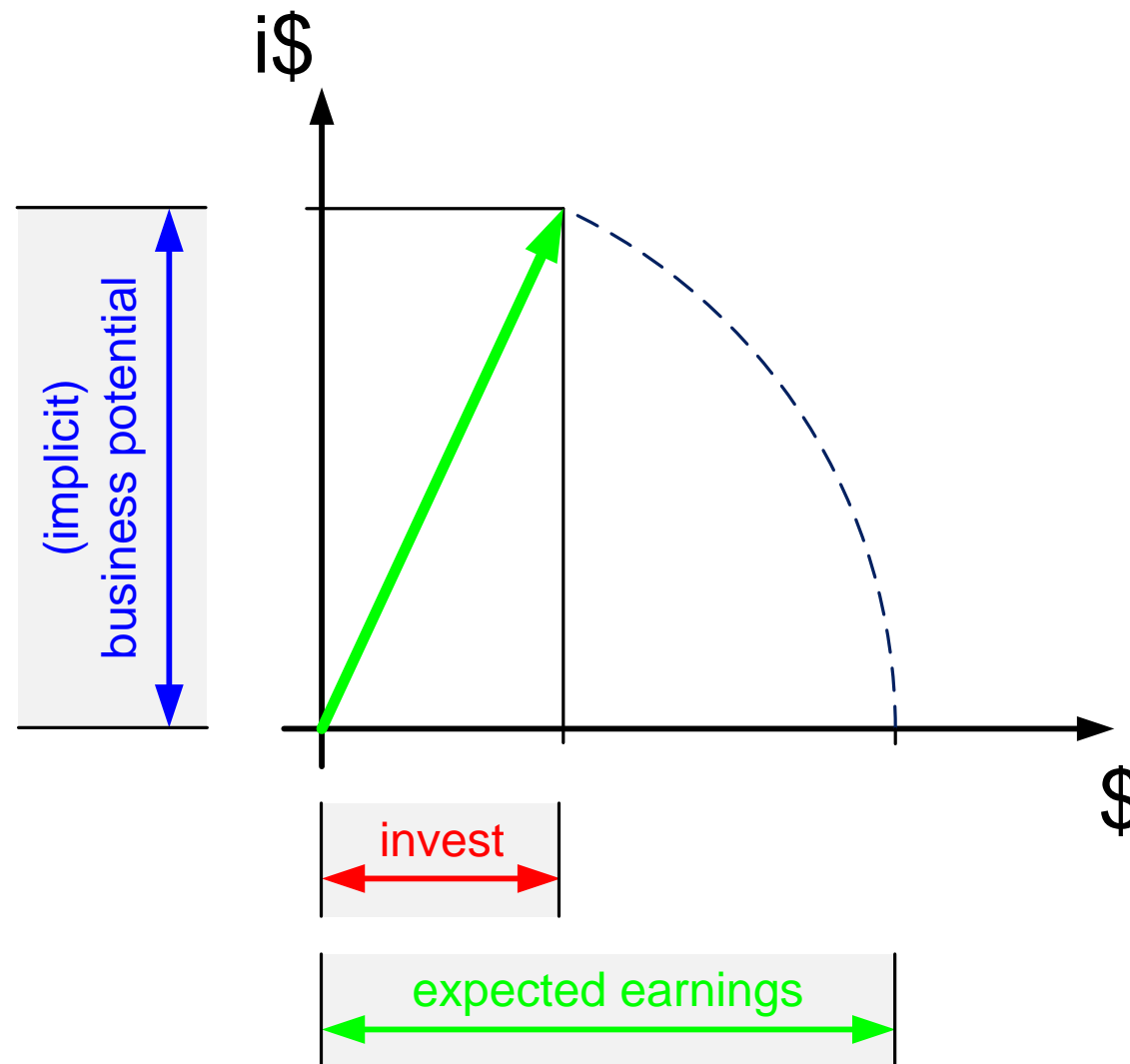
Vector Type 2

Business potential of a project



Vector Type 2

Business potential of a project

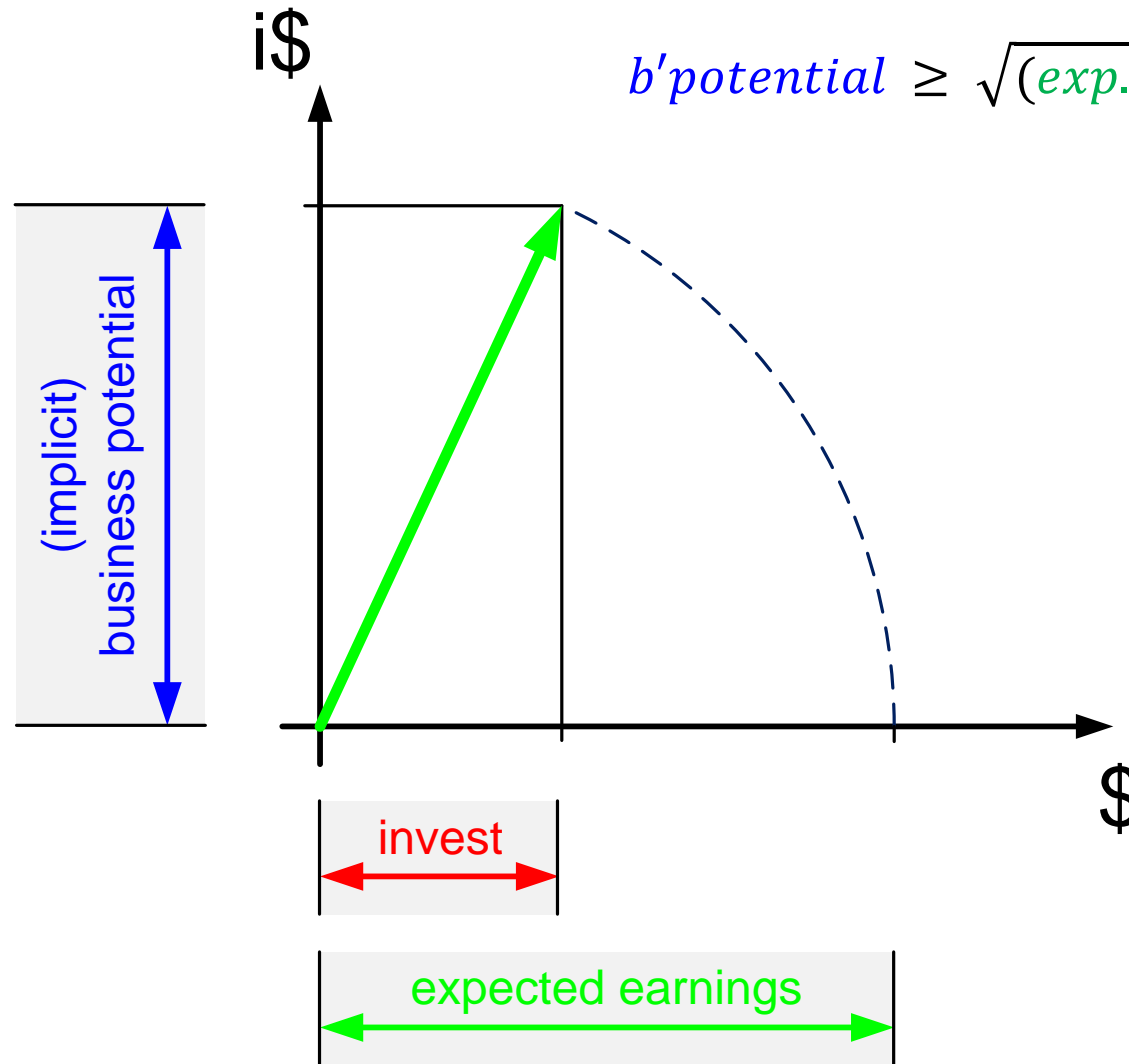


Vector Type 2

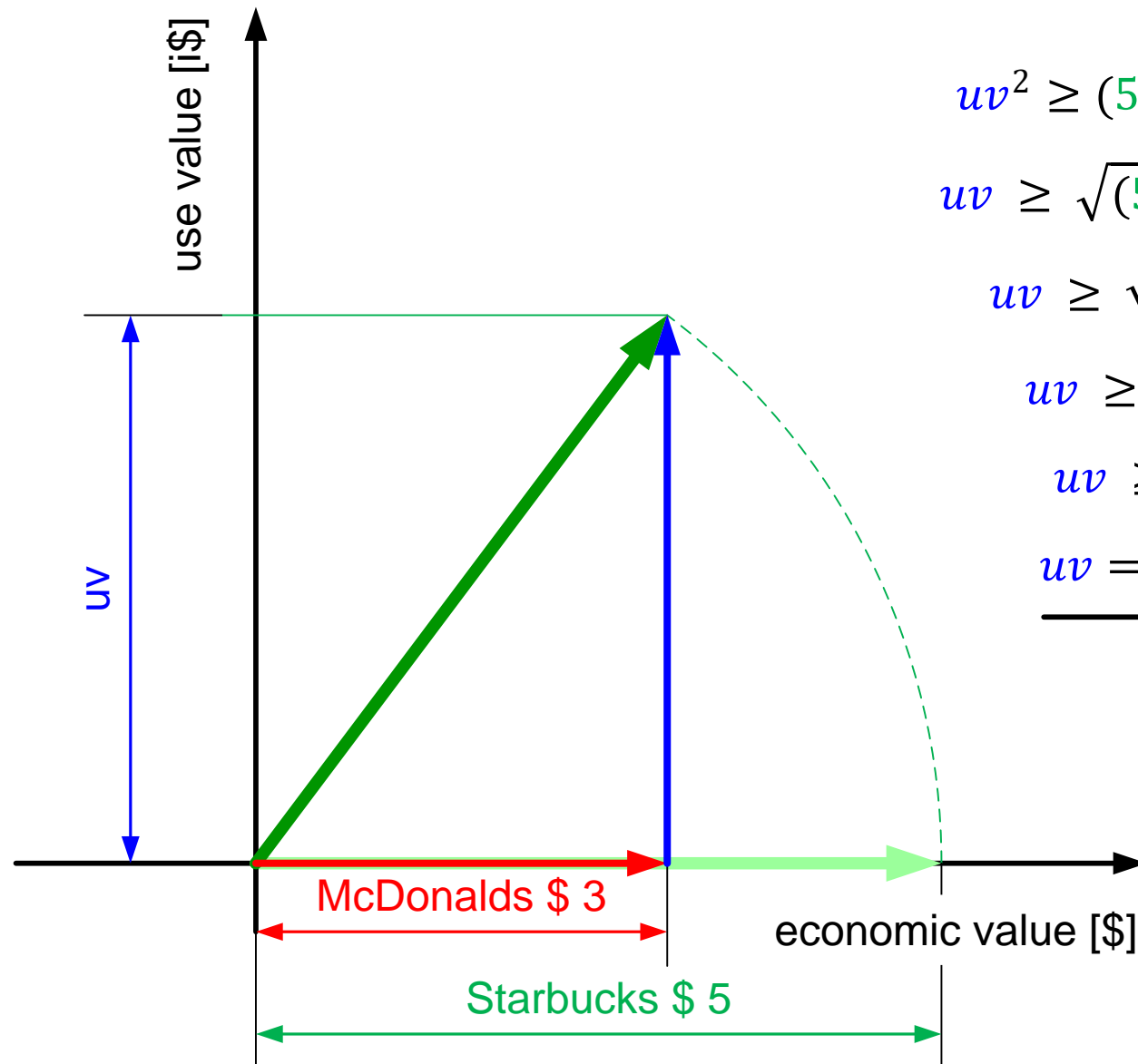
Business potential of a project

$$b'potential^2 \geq (exp.earnings)^2 - (invest)^2$$

$$b'potential \geq \sqrt{(exp.earnings)^2 - (invest)^2}$$



Use value for coffee at Starbucks instead McDonalds?
(\$ 5) (\$3)



$$uv^2 \geq (5)^2 - (3)^2$$

$$uv \geq \sqrt{(5)^2 - (3)^2}$$

$$uv \geq \sqrt{25 - 9}$$

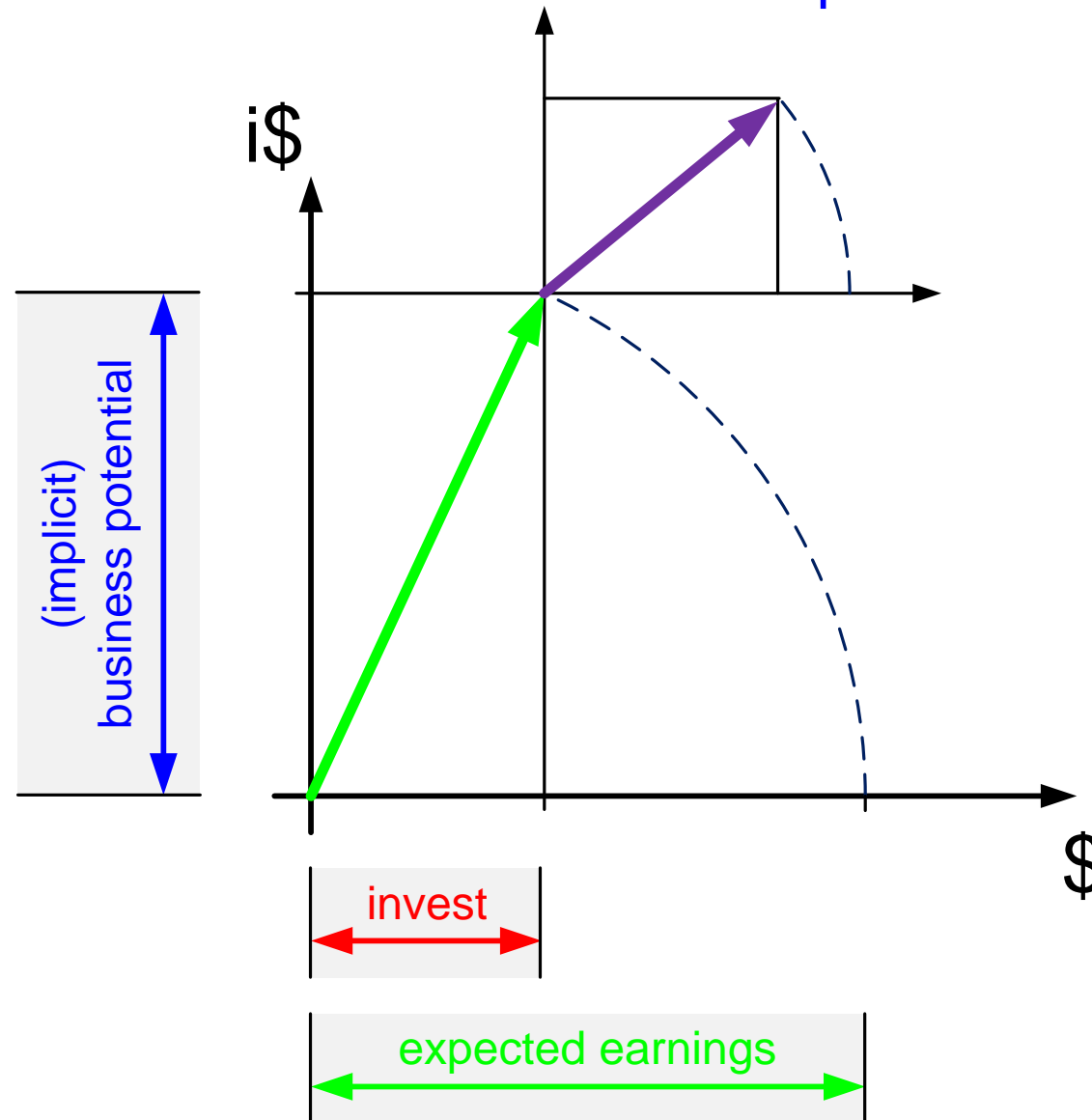
$$uv \geq \sqrt{16}$$

$$uv \geq 4$$

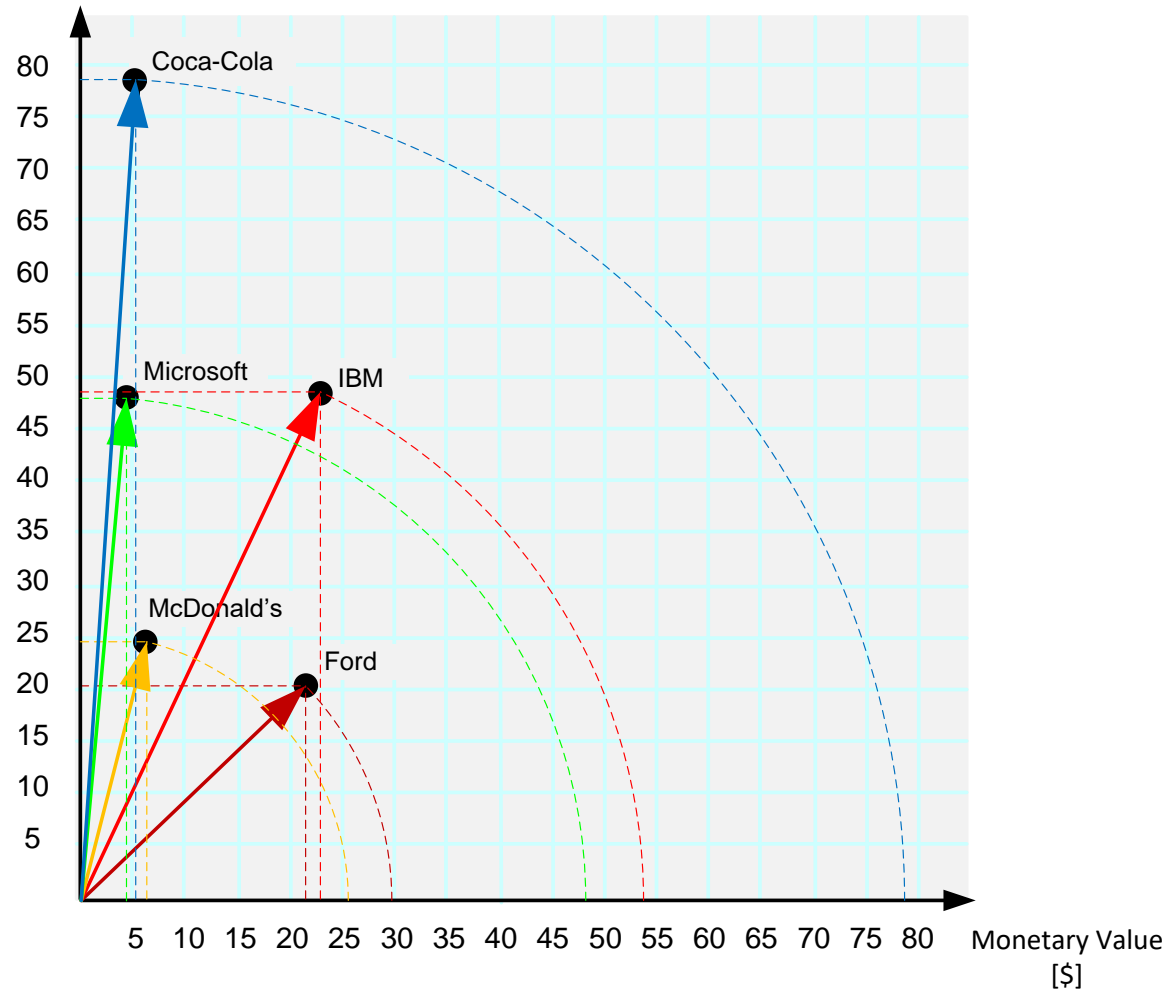
$$\underline{uv = 4 \text{ i\$}}$$

Vector Type 2

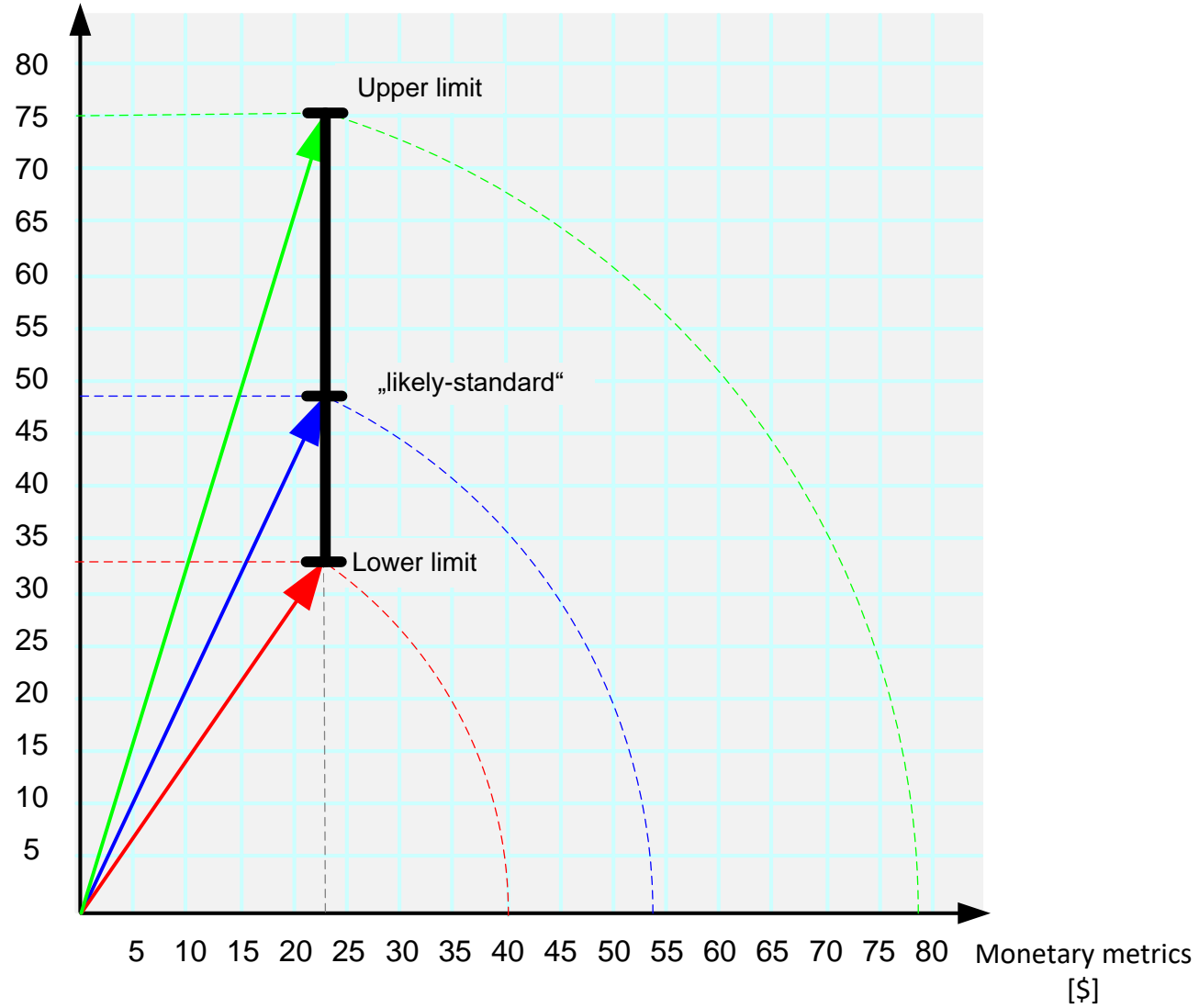
Business potential of several projects



Imaginary / immaterial
Value
[i\$]



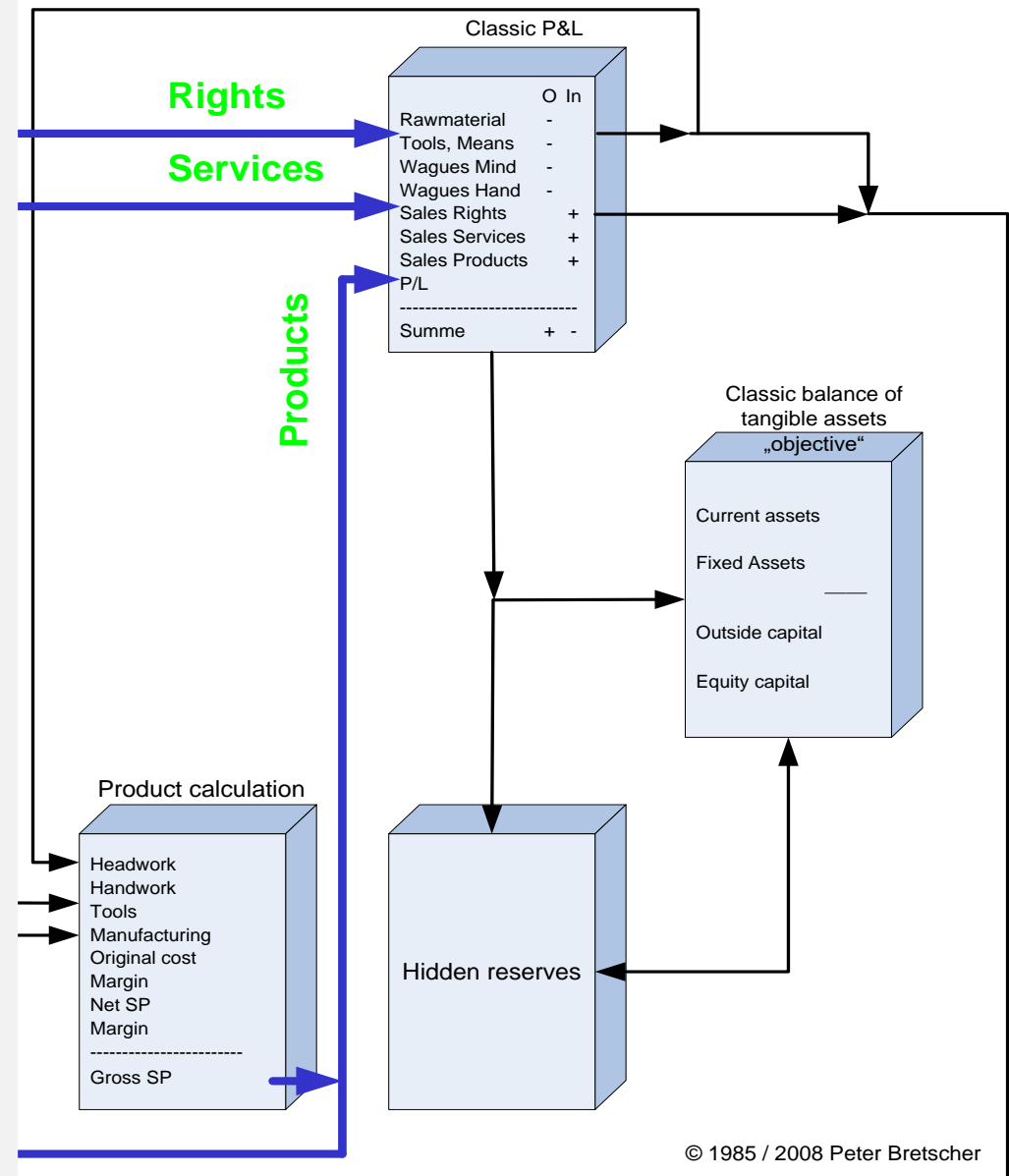
Standard
Implicit Potential
[i\$]



WHAT TO MAKE WITH POTENTIAL

„traditional“ business economics

„objective“ Values [\$, £, ¥, €, CHF]



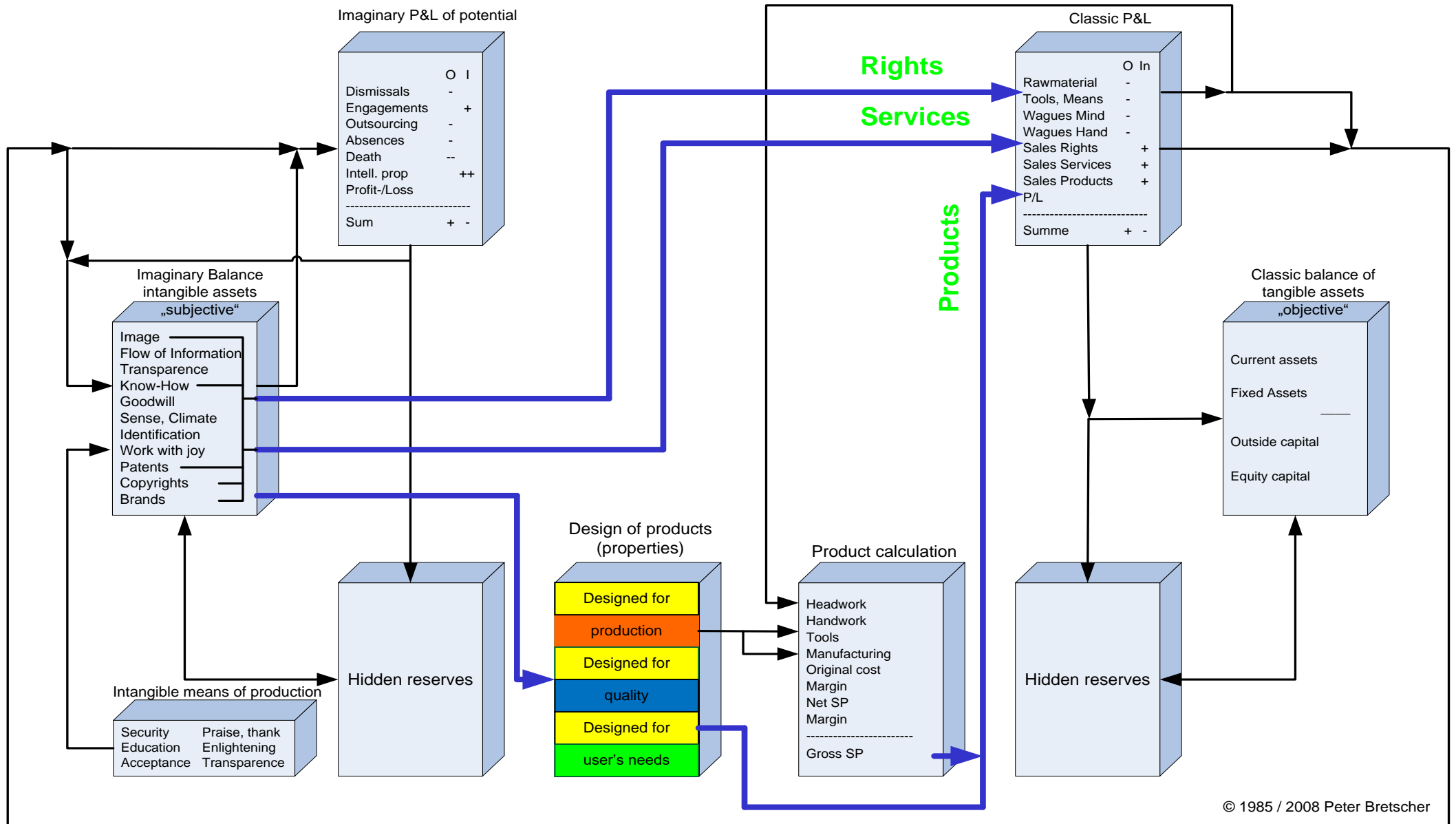
© 1985 / 2008 Peter Bretscher

„imaginary“ business economics

„subjective“ Values, not tangible, but real

„traditional“ business economics

„objective“ Values [\$, £, ¥, €, CHF]



© 1985 / 2008 Peter Bretscher

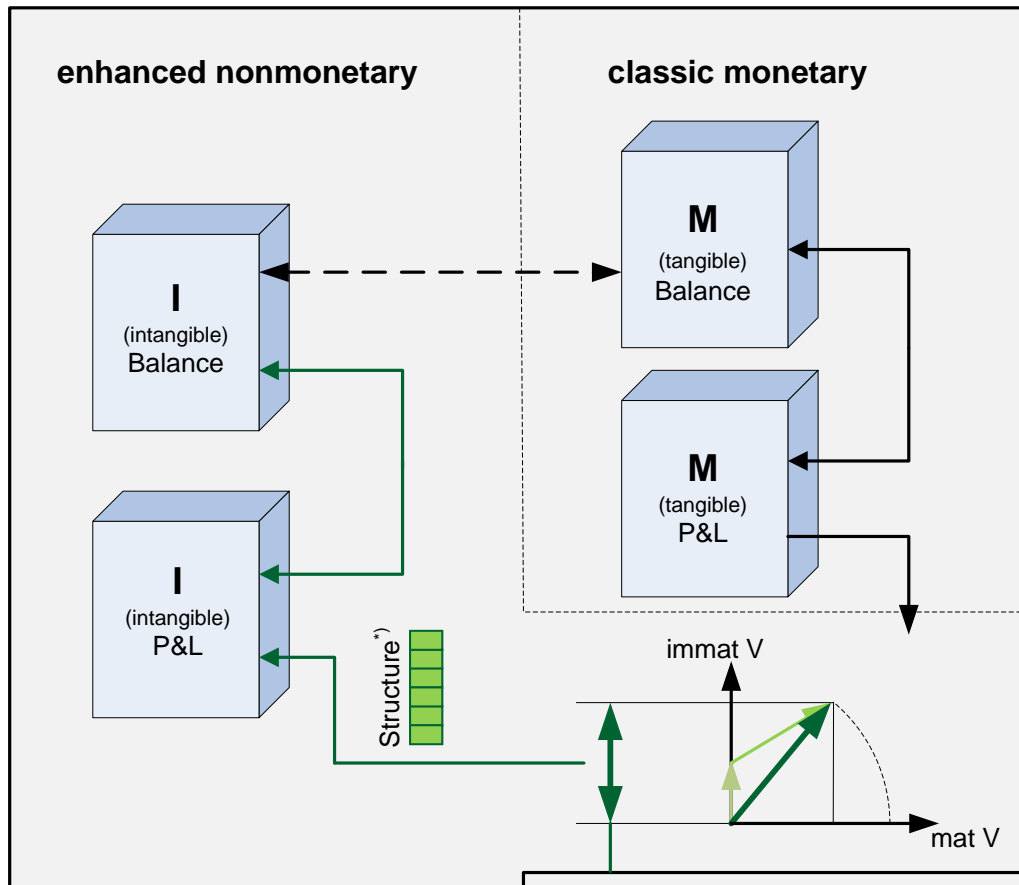
Economic Value Architecture & Engineering

2. Enterprise potential

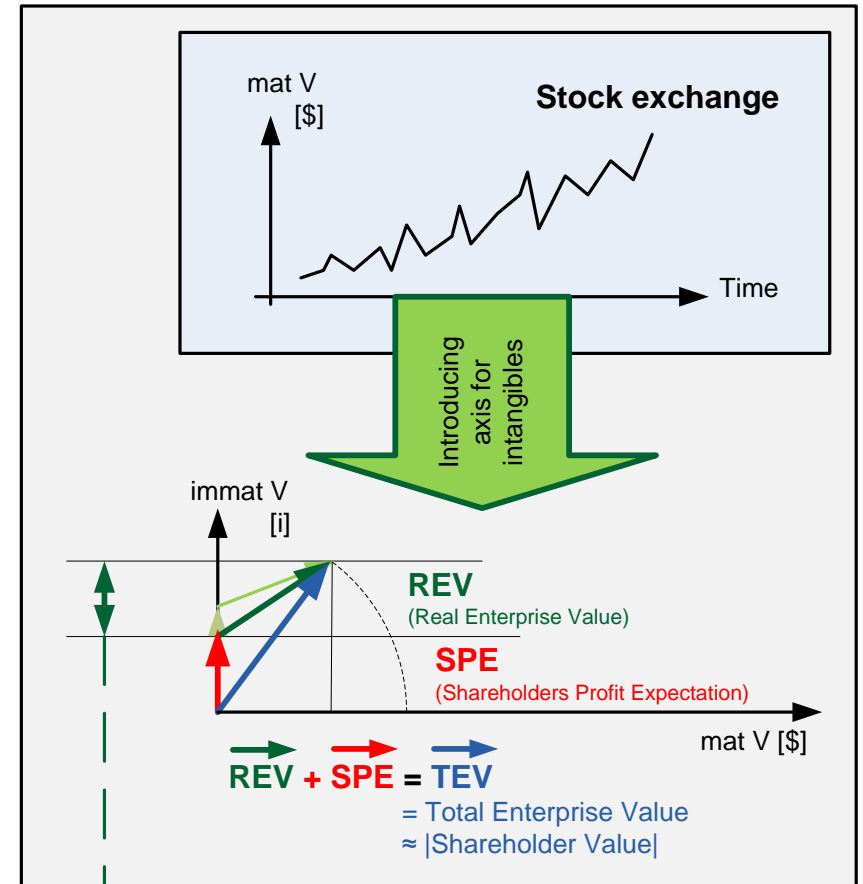
1. Stock exchange

3. Communicating values and progress

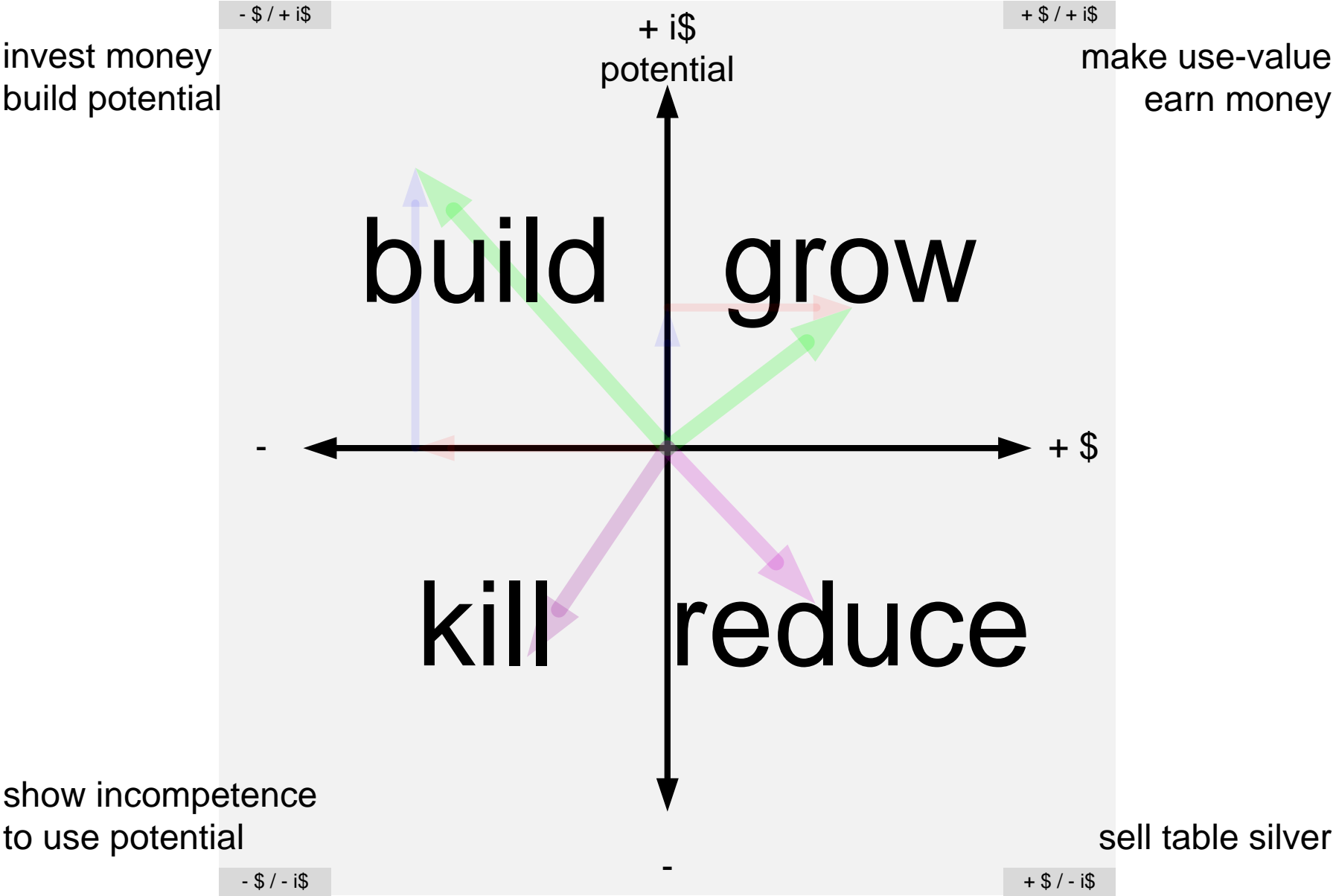
Economic Value Architecture & Engineering



*) As for example:
BSC, EVA, BIG, UPR, B'E....



Strategic modes – **build** – **grow** – **reduce** – **kill**



FURTHER LINKS



Kanal von peterbretscher
by peterbretscher

3
Abonnenten

346
Videoaufrufe

Feed

Videos

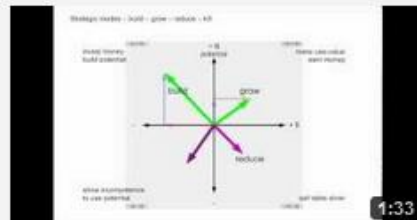
Im Kanal suchen



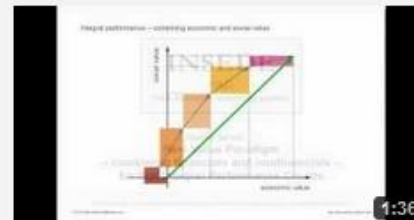
Hochgeladene Videos (9)

Hinzugefügt am (neueste - älteste) ▾

Hochgeladene Videos



Strategic Potential and Performan...
9 Aufrufe vor 2 Wochen



Hidden Message in pwc's Logo?
57 Aufrufe vor 1 Monat



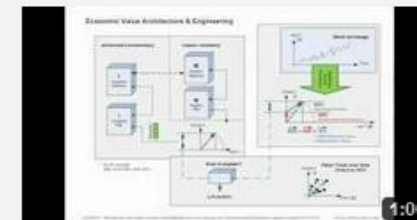
Disruptive innovation in economic ...
9 Aufrufe vor 1 Monat



Next Economic Measuring and Val...
20 Aufrufe vor 1 Monat



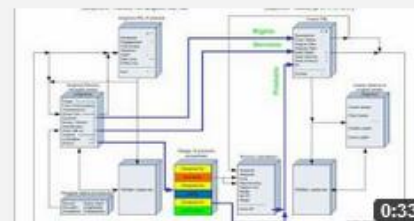
Understanding Value as a Vector - ...
20 Aufrufe vor 2 Monaten



Economic Value Architecture and ...
26 Aufrufe vor 2 Monaten



Vector metric for visualizing mone...
16 Aufrufe vor 3 Monaten



Mapping Intangible Assets too - be...
148 Aufrufe vor 3 Monaten



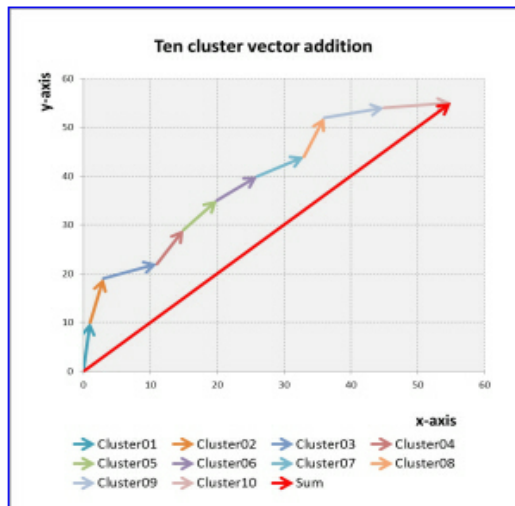
INSEDE enhanced economic reaso...
37 Aufrufe vor 3 Monaten

<http://www.youtube.com/peterbretscher>

Tips/Recommendations:

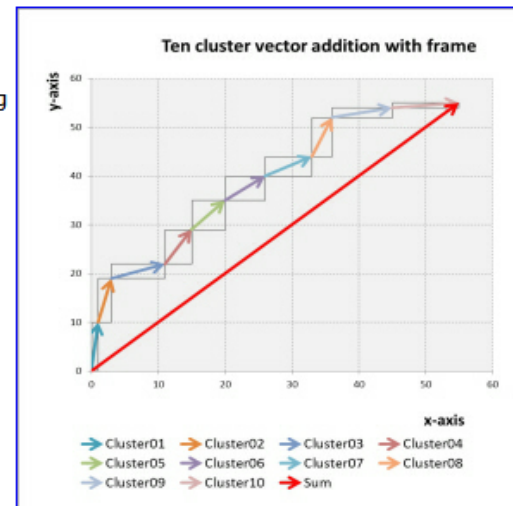
http://bengin.net/beta/basic_master_e.htm

- look for the template, which contains at least that number of clusters that you want to consider. (Not required clusters may be set to zero. The index may be revised direct in the chart.)
- Use for comparison of data sets - for example, budget and account of two companies or business cycles or.... - the pure vector representation (without colored rectangles). Use it for comparing monetary with monetary - monetary with nonmonetary and nonmonetary with nonmonetary indicators. You may be surprised about the new transparency you will gain.
- Make "Drill-Downs" by copying the first page behind that page so much times as you have "clusters". Then structure the elements of the "sub-clusters" according to your needs and link the sum to the corresponding field on the first page.
- Connect your internal data with external data from web.



"Pure 10 vectors"
 Comparison of 10 clusters - for example, divisions, countries, projects, cost centers..... - among themselves and within the overall context.

[10 vect add one 001 e](#)



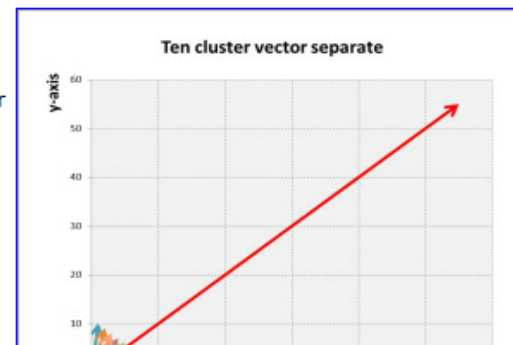
10 Vectors with frames. These frames facilitate untrained observer the orientation.

[10 vect add one frame 001 e](#)



Similar to "Pure 10 vectors" but with a second record. This allows the simultaneous display of budget and account - or two periods or.....

[10 vect add two 001 e](#)



10 cluster starting x=0 and y=0 (without addition) with sumvector.

[10 vect sep 001 e](#)



Ökonomie neu denken - Jenseits der Finanzkrise (V)

by Stifterverband PLUS 2 months 2 weeks ago /

English spoken

<http://vimeo.com/38091481>

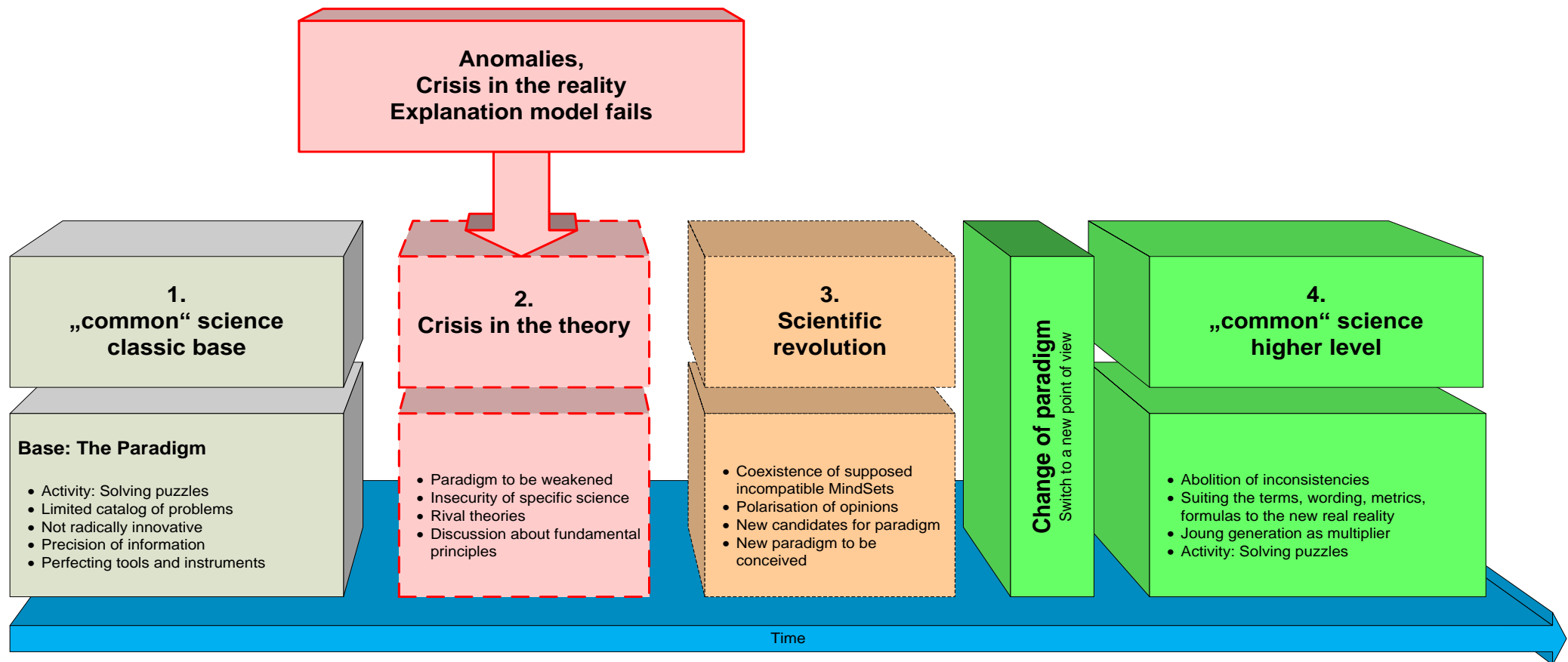
Questions?

Thank You

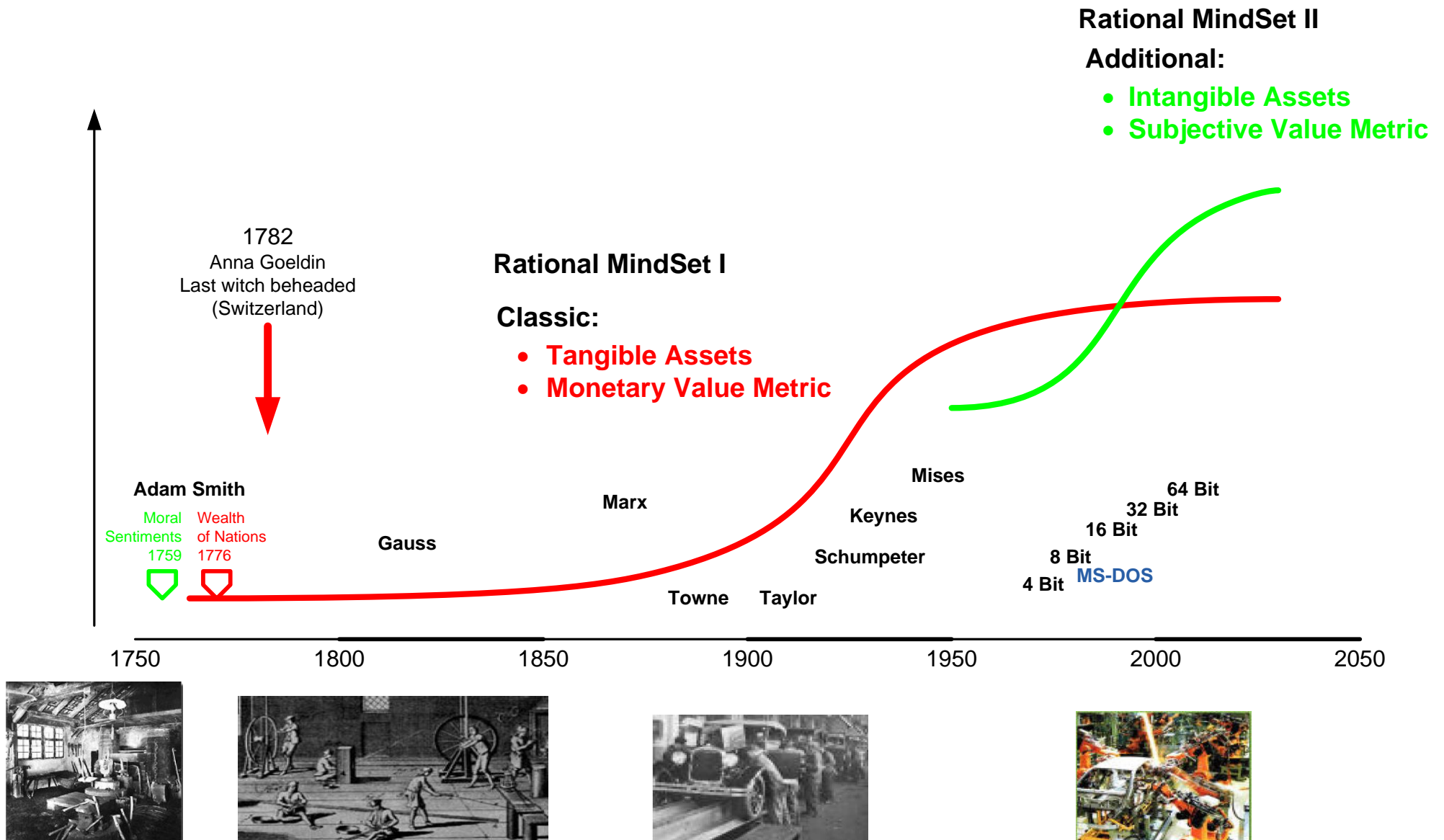
Other slides

Paradigm shift in economic understanding

(Steps in mindware development)



Development of Business Theory (S-Curve of Product Development)



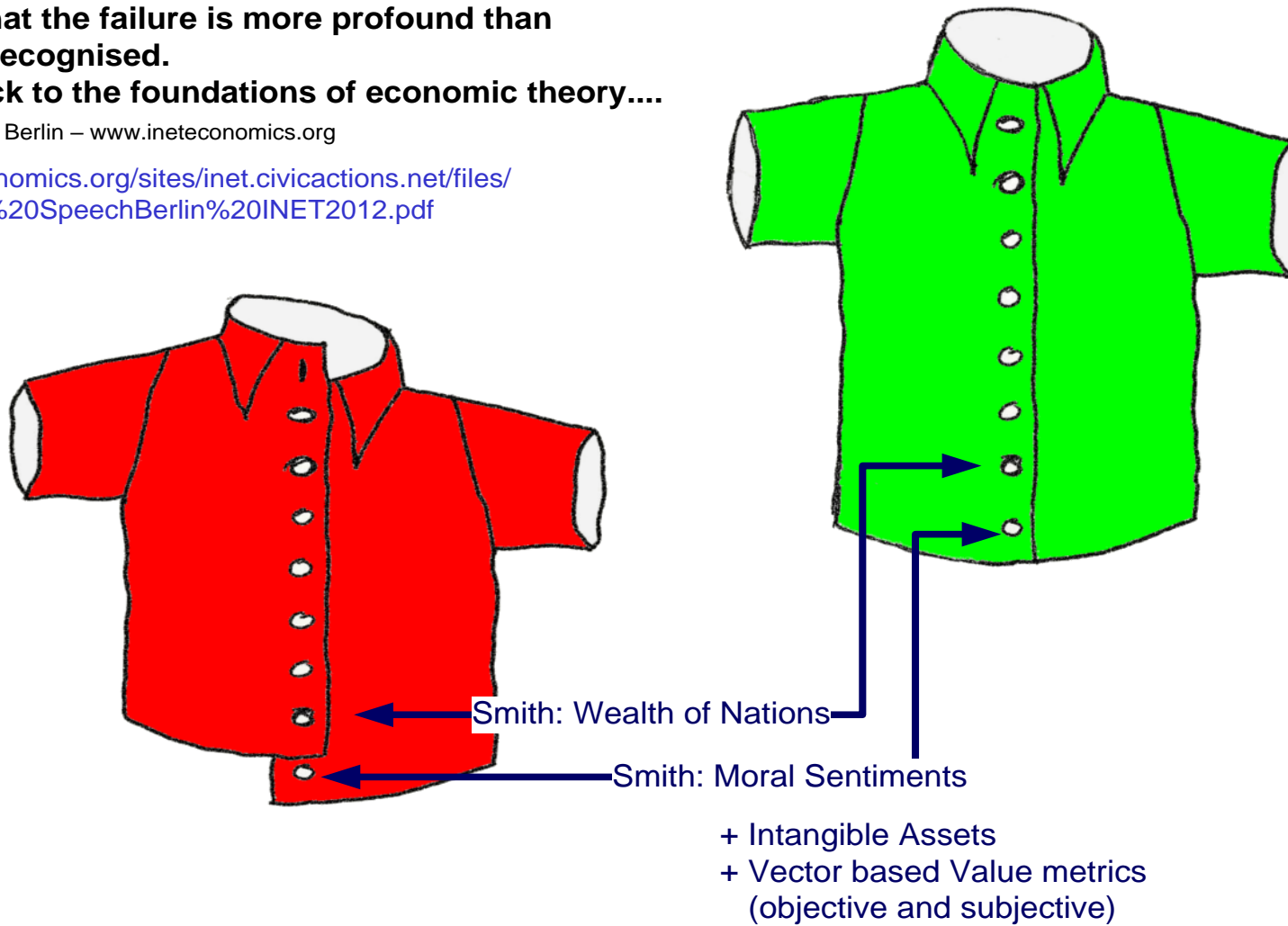
Soros

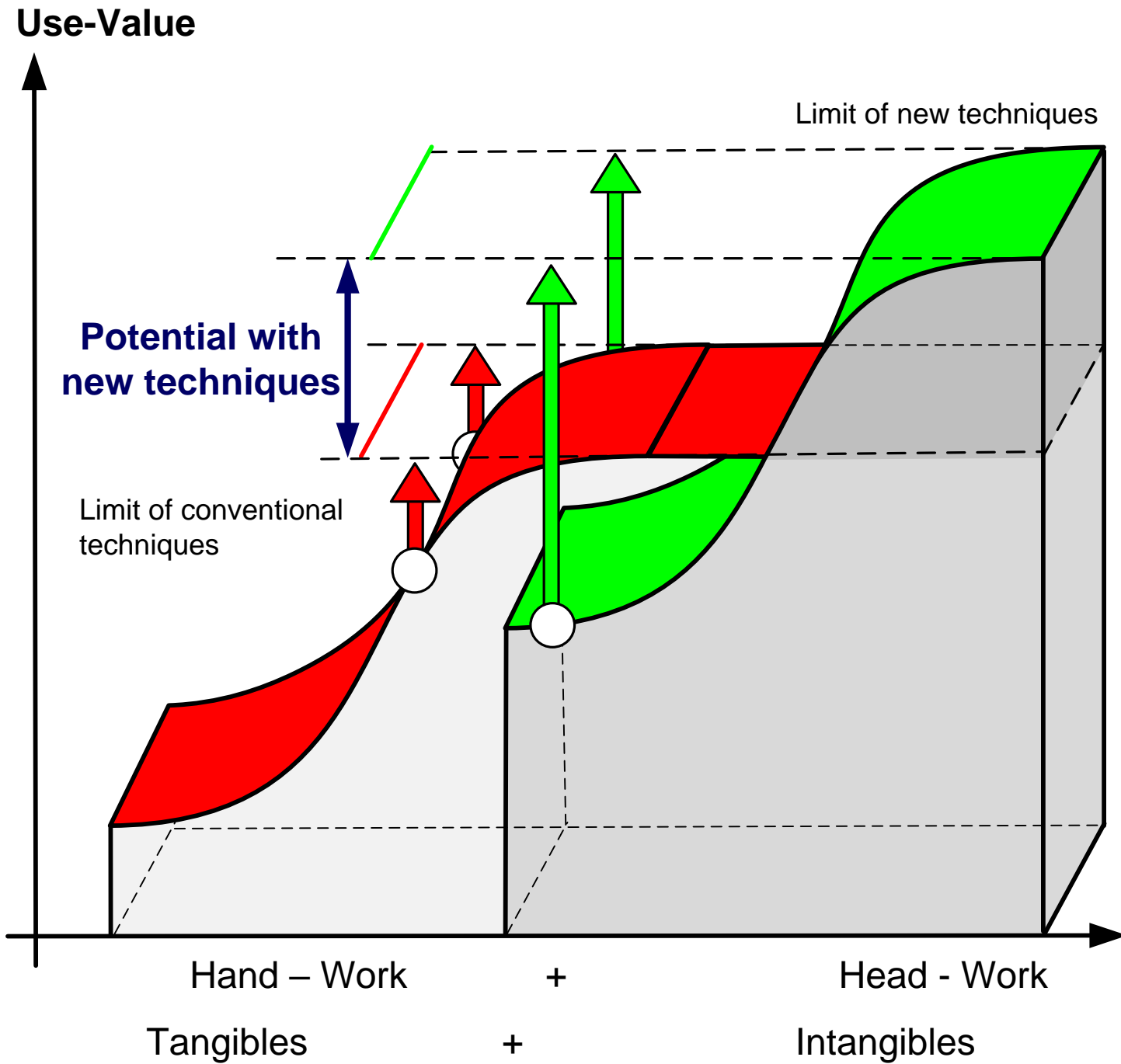
I believe that the failure is more profound than generally recognised.

It goes back to the foundations of economic theory....

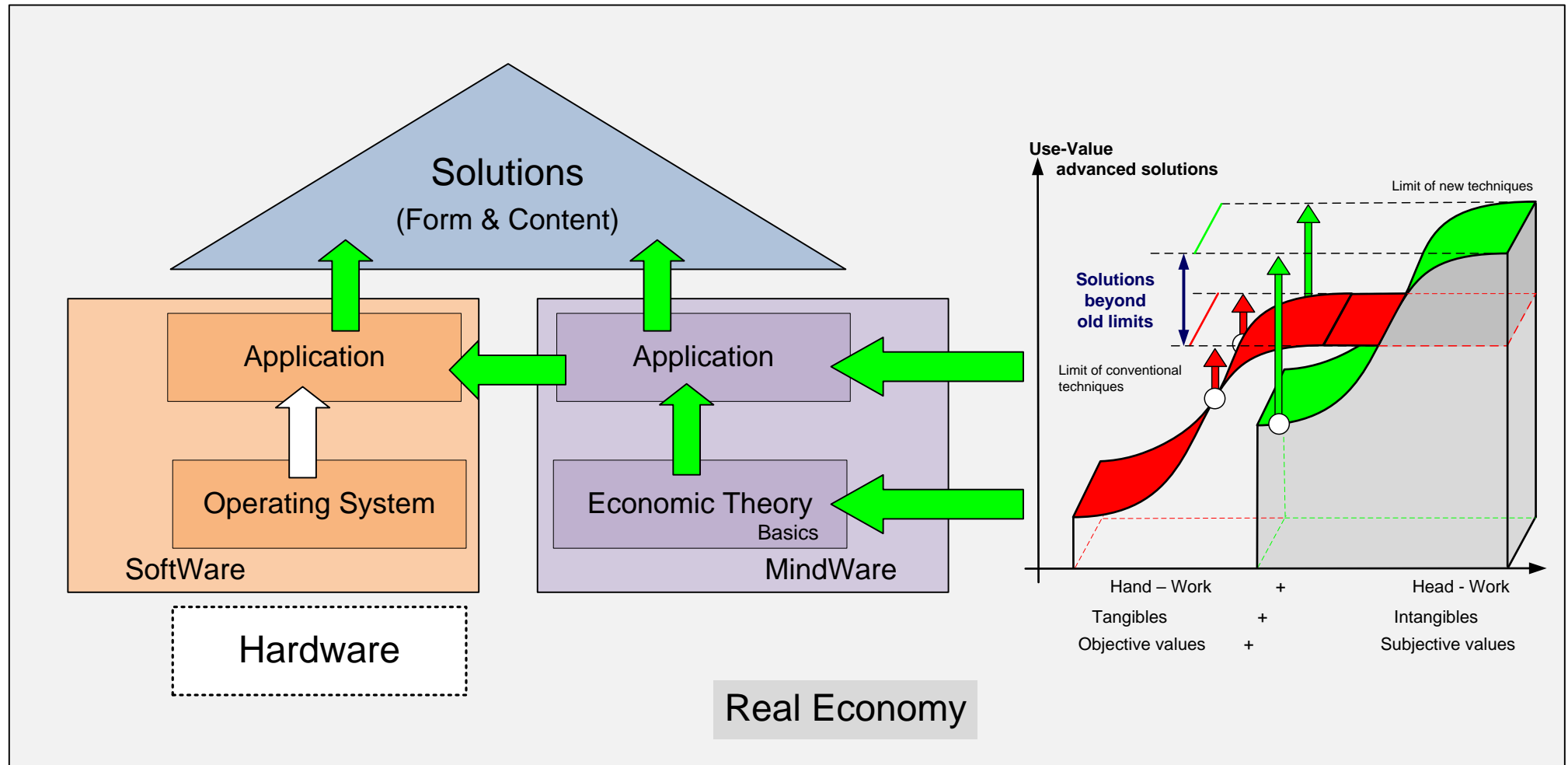
12. April 2012 – Berlin – www.ineteconomics.org

<http://ineteconomics.org/sites/inet.civicaactions.net/files/Soros%20SpeechBerlin%20INET2012.pdf>

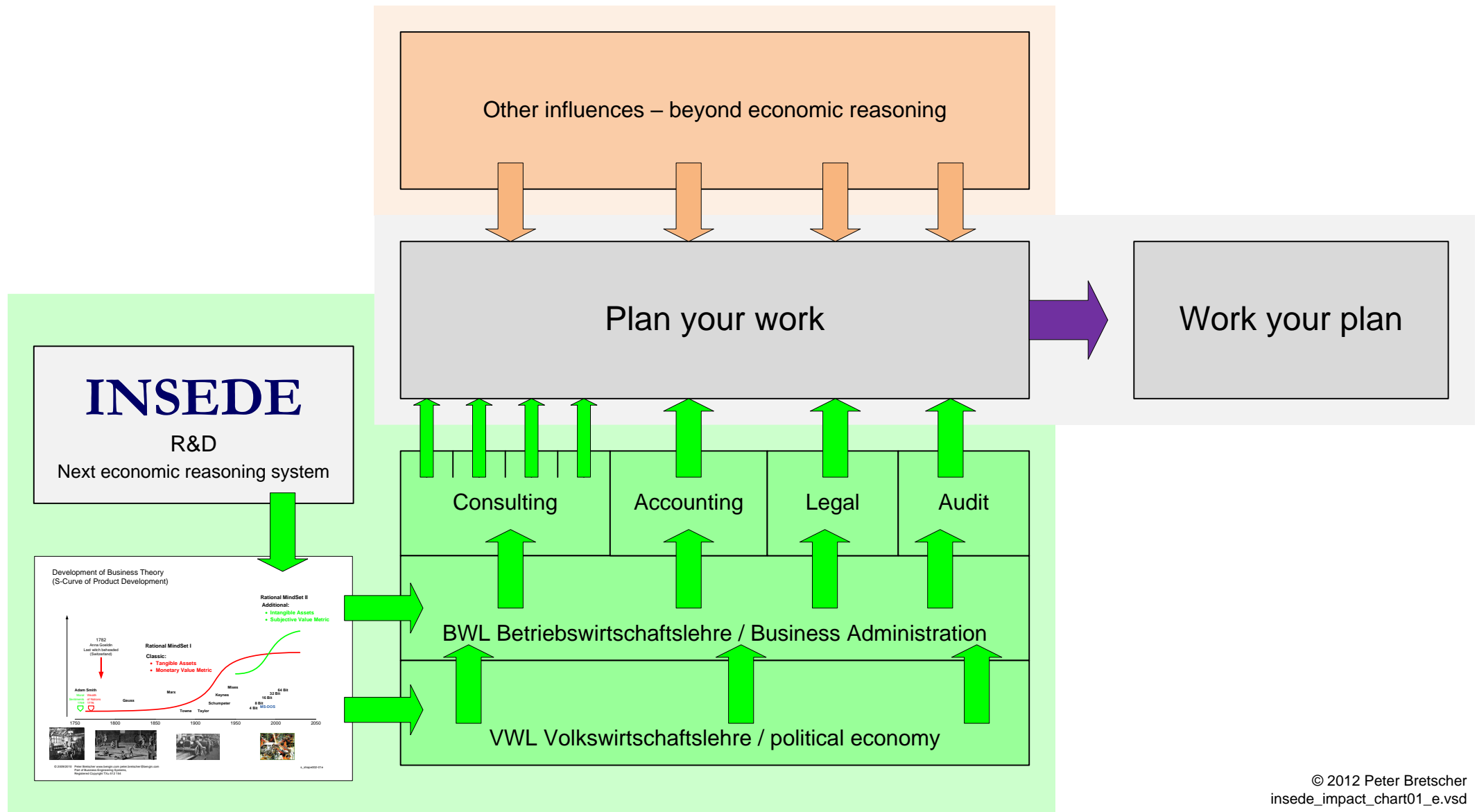




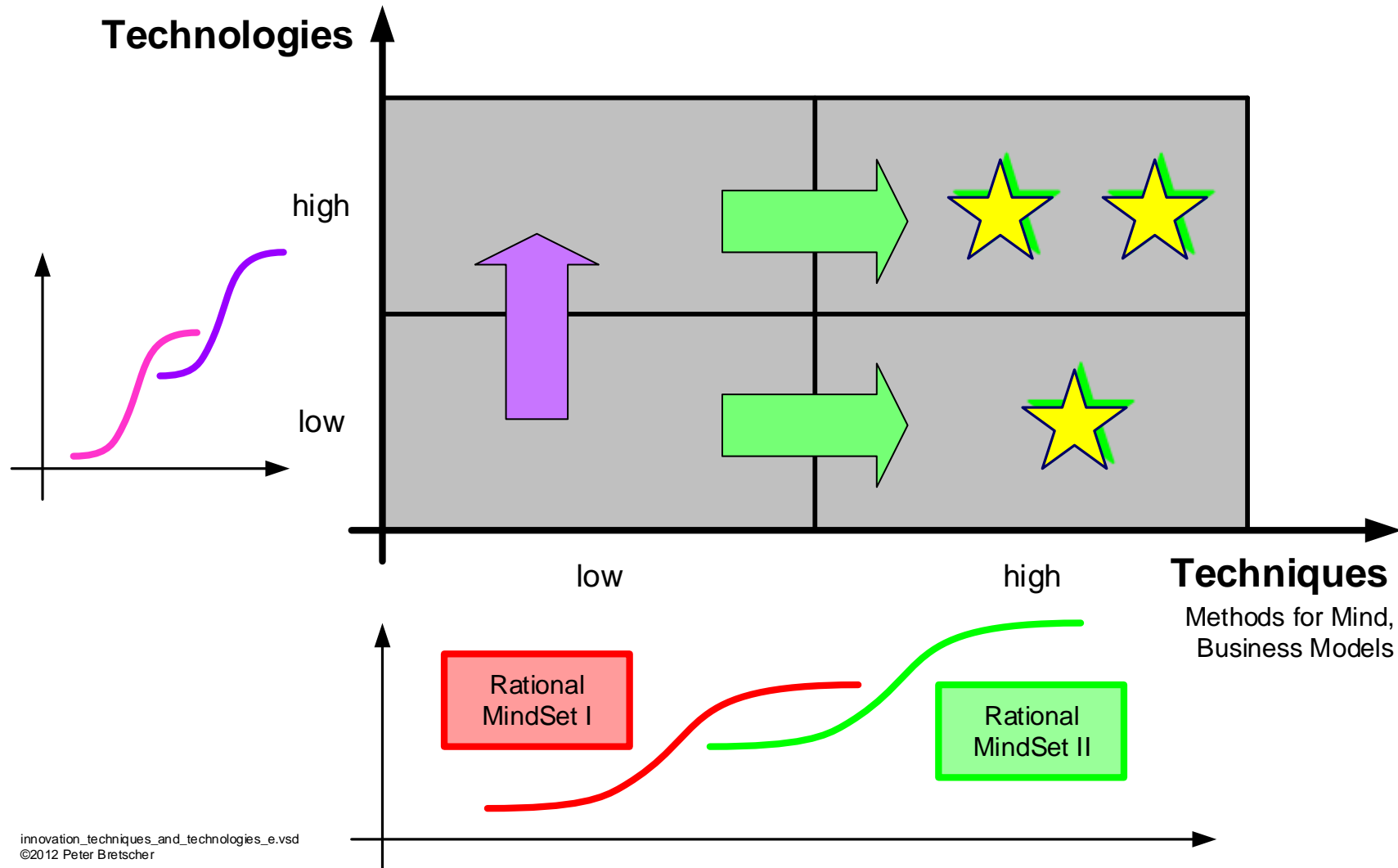
Professional solutions beyond classic limits



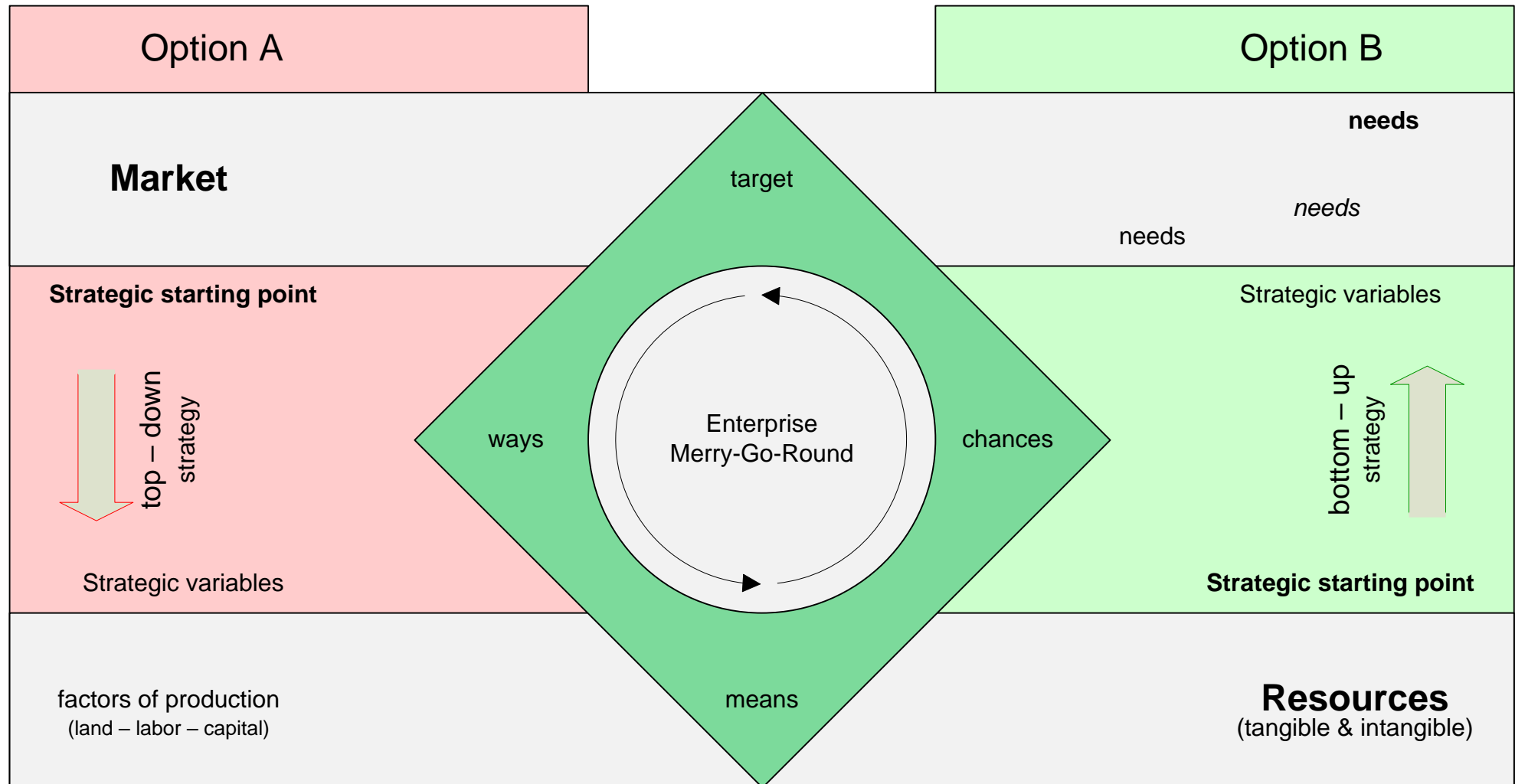
INSEDE enabling sustainability



Two Directions of Innovation (Technology and Techniques)



The two strategic business options in balance



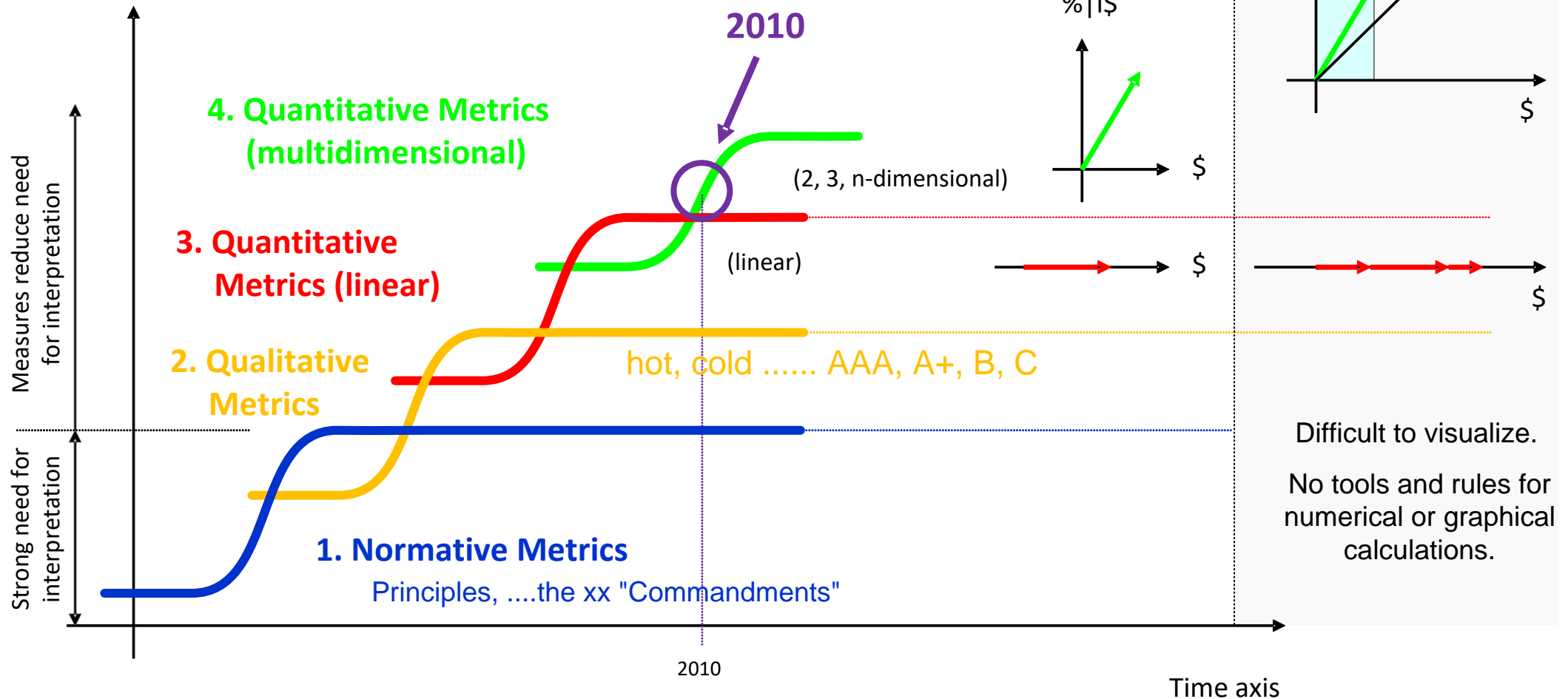
Development of (economic) Value-Metrics

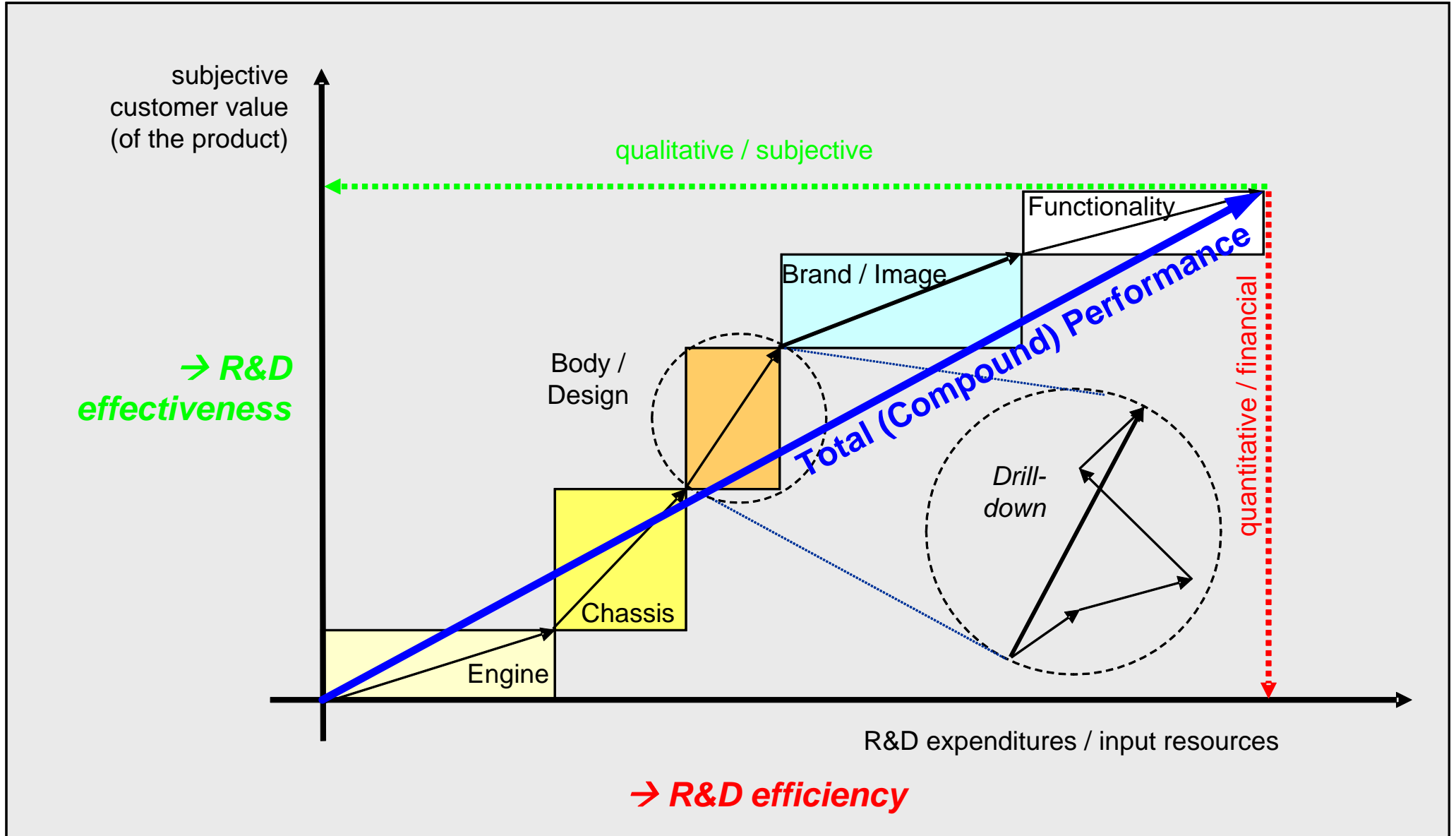
Why Metrics?

- comparing, comprehensible, reproducible
- Making rational communication easier.

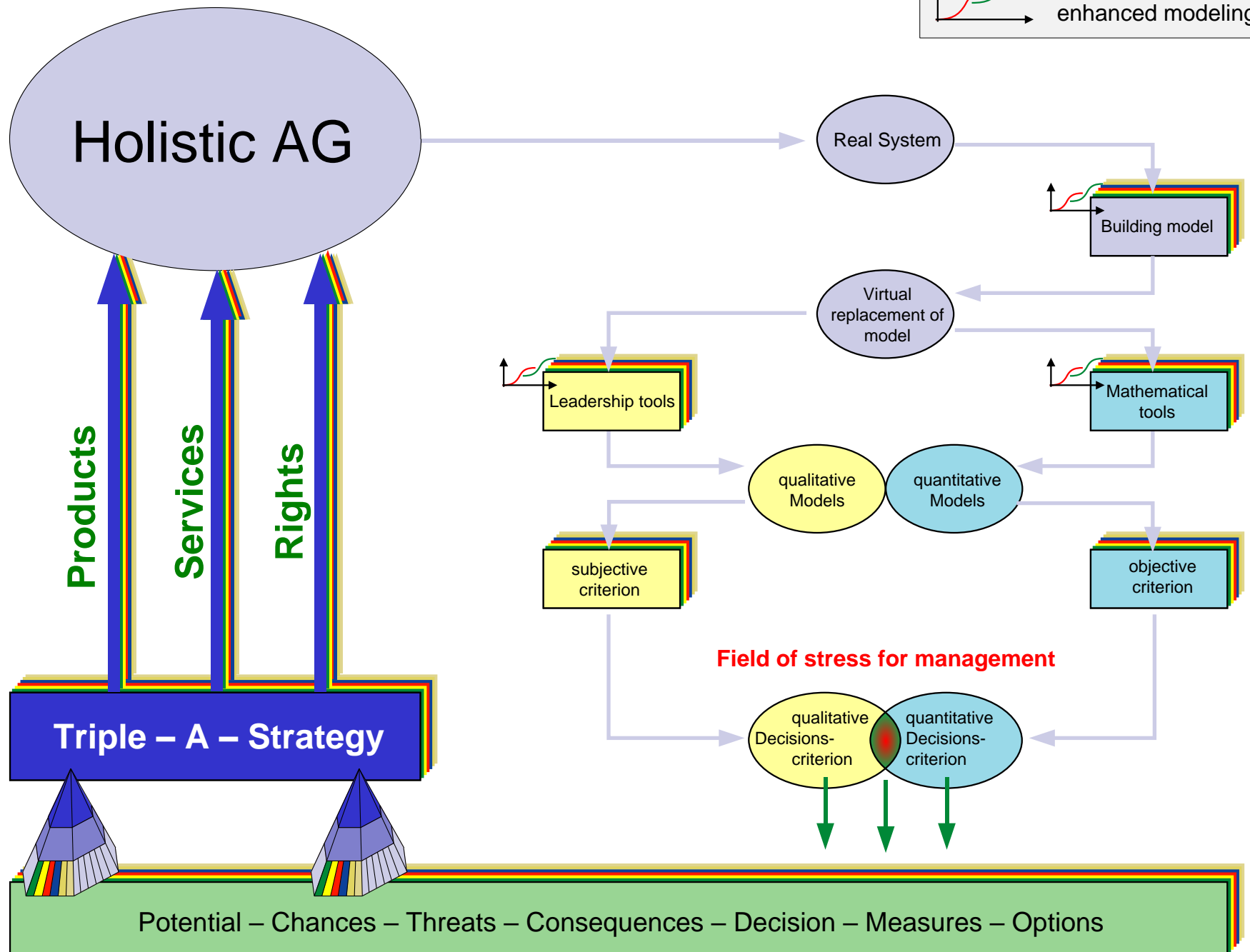
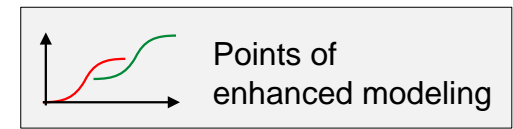
Only multidimensional metrics makes it possible to treat multidimensional value aspects in that kind that coherence remains intact and visualizable (even objective and subjective values).

Possible to calculate with (and visualize) 2D-Values



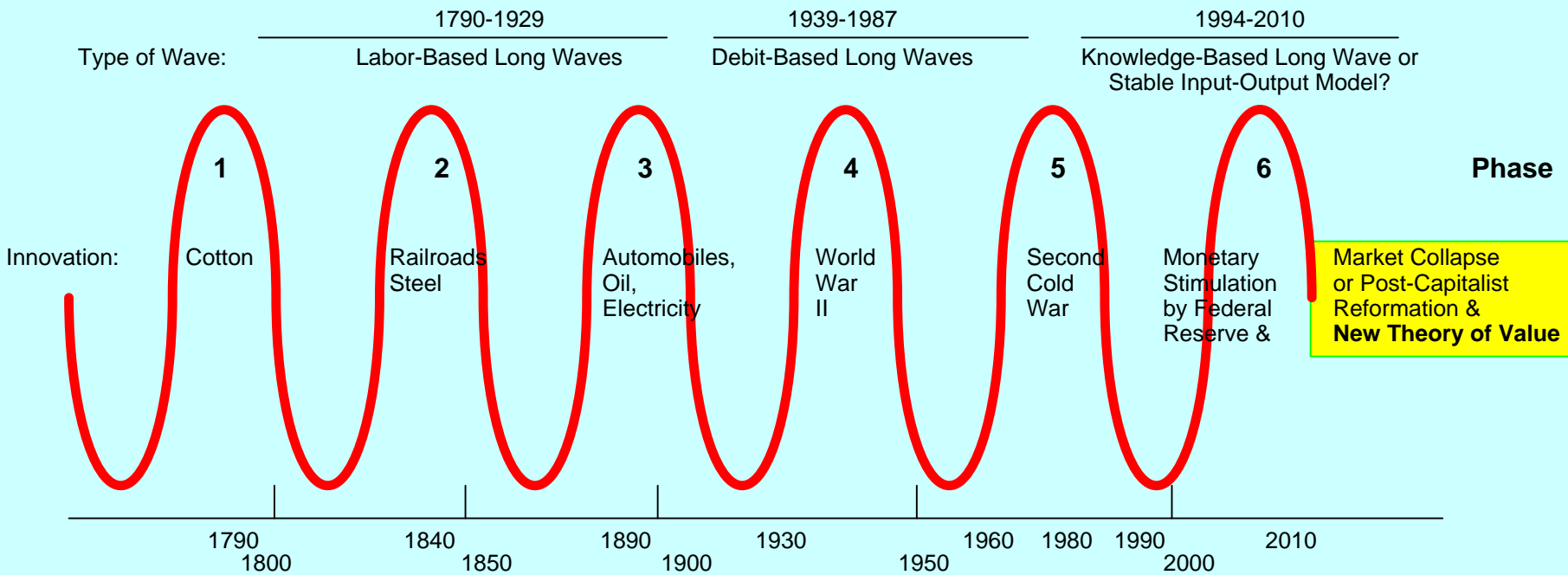


Improved Business by enhanced models



The long Road to Post-Capitalism: Schematic of Six Long Waves From 1790 to 2000

Theory of Value & Monetary Value:	Aggregate Labor & Capital	Aggregate Dept & Capital	Aggregate Technical Knowledge & Cohesive Cultural Base
Theoreticians:	Smith, Ricardo, Marx	Keynes	Leontieff, Greenspan & Stiglitz
Accumulation Model:	Labor & Capital	Fiscal Stimulation [War Dept] > Labor & Capital	Monetary Stimulation [Stock Market] > Information-Knowledge



Adam Smith 1723-1790

Karl Marx 1818-1883

Nikolai Kondratieff 1892-1938

John Maynard Keynes 1883-1946

Carl Friedrich Gauss 1777-1855
New Theory of Numbers
(Complex Number = 2D-Vector on a plane with a real and an imaginary axis)

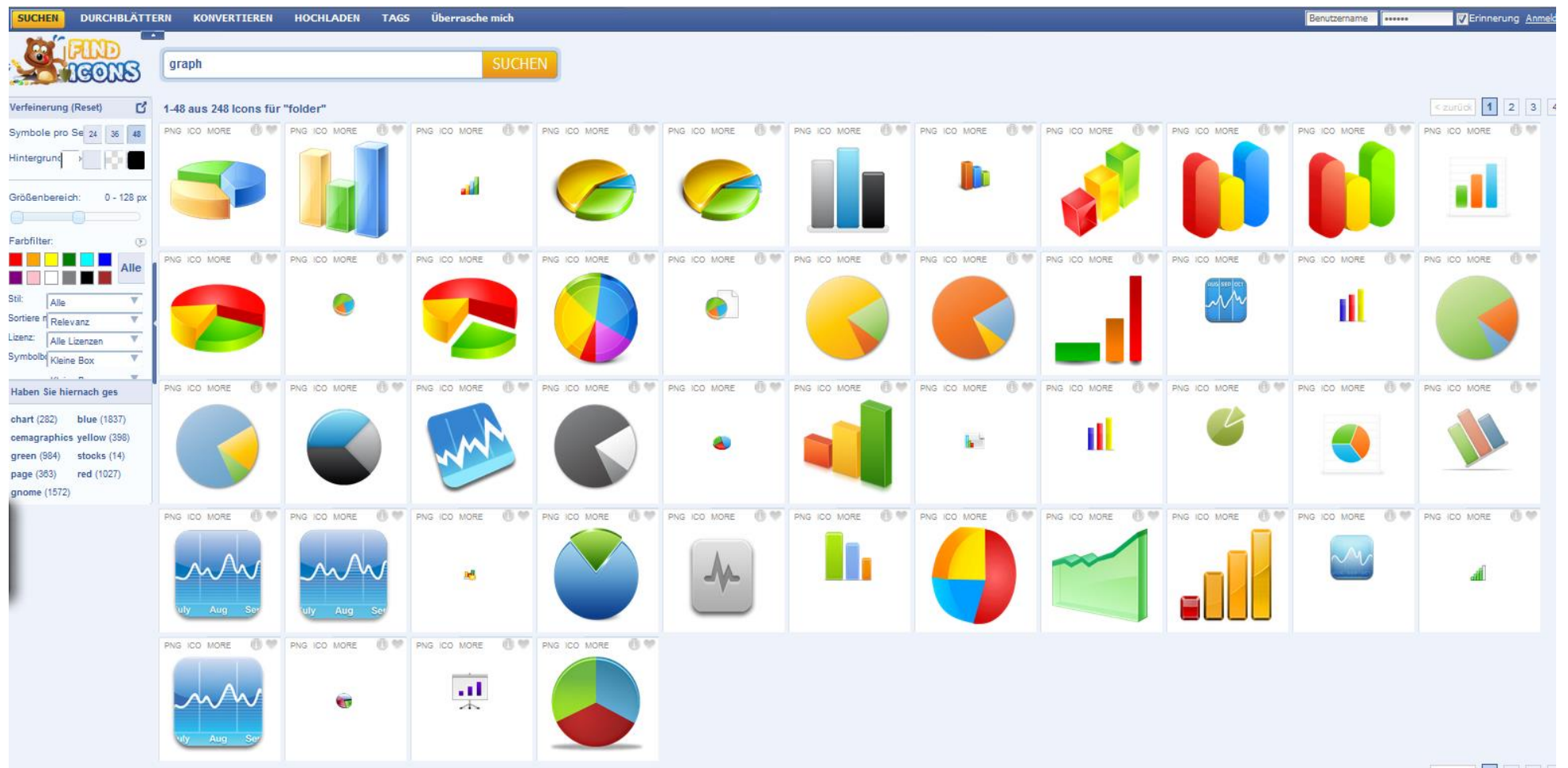
Ernest Mandel 1923-1995

Wassily Leontieff 1905-1999

Alan Greenspan 1926-Present

Joseph E. Stiglitz 1943-Present

Based on graph of
Reuben L. Norman, Jr.
June 11, 1998
[Link: June 14, 2011](#)



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