Organizational Change and Global Standardization
Solutions to Standards and Norms Overwhelming Organizations
Edited by David M. Boje
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website
http://davidboje.com/fractal for proceedings paper, slides, cases...
Externally-Imposed STANDARDS

• E.g. At age 65 a professor in France in Public University Must Retire

1. This is a waste of talent, experience
2. Public University replace retired older professor with less costly young professor
3. Private French Universities hire the over 65 to acquire better IMPACT FACTOR
4. French universities dropping in world rankings
3 Zoom-zones of self-same fractal patterns
What is a Fractal Narrative?

Monological-Fractal Narratives reduce complexity to search for ONE Universal Standard by focusing on **ONE LOGIC**
STANDARD-SETTING tends to create FRACTAL Narratives that are LINEAR
Applying same rule repeatedly (recursive)
Le maximum de simplicité est atteint comme suit. Le temps boursier est multifractal non récursif ; quant au processus, lorsqu'il est suivi en temps boursier, c'est, tout simplement, le mouvement brownien, soit ordinaire, soit fractionnaire.

(Benoît Mandelbrot)
E.G. MY DAD: Daniel Boje’s Invention & Spiral Fractal Web of Patents – for COMMERCIAL TRASH COMPACTOR
MY DAD: Dan Boje’s Invention & Spiral Fractal Web of Patents
4 TETRANORMALIZING Fractals of Global Standardization for BUSINESS
PART 1: Economy/Accounting Change Fractals - chapters:

3. How Does the Creation of Local Accounting Standards Reflect the Identity of an Organization? Tronc Boris and Plane Jean-Michel


5. Professional and neo-institutional Dynamics in the Islamic accounting standards-setting process. Aldo Lévy and Hichem Rezgui
Benoit Mandelbrot (1999) developed a multifractal approach to analyzing Wall Street stocks.
Accounting Fractals in TETRANORMALIZING

• Smith, Boje & Foster (2014) apply Tetranormalizing to the global competition to standardize accounting practices
Part II: Trade and Change Fractals - chapters:

• 6. Tetranormalization, Disruption of Markets and Strategic Steering: Threats and opportunities. Henri Savall and Véronique Zardet

• 7. The loss of sense in labor legislation, a risk for Mexican small businesses and their employees. Luis Portales, Consuelo García de la Torre, and Osmar Arandia

• 8. Tetranormalizing Entrepreneurial Storytelling: Bringing complexity to the narrative of ‘Born Global’. Rohny Saylor
Henri Savall continues to draw inspiration from German Bernacer’s critique of speculative markets, how they suck the entrepreneurial life out of productive markets...
EXAMPLE of FRACTAL NARRATIVE virus

- WEBER
  - Bureaucratic
  - STANDARDIZATION
- TAYLOR
  - Scientific Management
- FAYOL
  - Administered Order
Deleuzian-Rhizome Fractals

WTO, IMF, ILO, and GATT as organization-network-regulatory-apparatus of world trade (Hardt & Negri).

But ‘free market’ ‘anti-state’ ‘anti-regulation' ideology counter-fractal of great speculative debacles, from Enron and WorldCom to the Banking and Foreclosure global crises ... (Williams, 2002: 119)
Wikia - Fractal-Rhizome Example
Part III: Social/Cultural Change
Fractals - chapters:

• 9. The decision-making smart information system based on the human behaviour Patrick Haim
• 10. Recent Advances in Standardizing the Reporting of Non-Financial Information Juan Pineiro-Chousa, Marcos Vizcaíno-González, and Noelia Romero-Castro
• 11. Profession Architects: Normative dispossession of an art trade is not inevitable Miguel Delattre and Véronique Zardet
• 12. The Tetranoormalization of Human Resource Management of Persons with Disabilities Jillian Saylors
• 13. Corporate Social Responsibility disclosure and institutional legitimacy: A comparative analysis Bechir Bellahouel, Nader Mansouri, and Jean Marie-Peretti
Wikia - Fractal-Rhizome Example
More on Social/Culture Fractal

• The Web fractal (the Internet) created limitless accessibility. This is what Abbott (2001) calls the fractal re-parameterization of morals and ethics within late modern capitalism (Williams, 2002: 120).
Savall connection

• Jenson (2007) says the relation between the micro scale and the macro scale is a long-standing concern of social theory.

• Savall thinks in terms of the scale of sociotechnical relations in relation to socioeconomic/sociotechnical relationships
In Sum

As this standards-fractal becomes more mono-mythic, it encounters a counter-narrative, the way the professoriate is becoming posthuman resist becoming just cyborg-professor, doing distance education, the professor-self no more than the information-materiality of their Internet, Google Scholar, citation counts, journal rankings, etc.
Part IV: Ecology/Quality Change

Fractals - chapters:

• 14. Disclosure of Sustainability Information and the Evolution to a New Type of Report in a Tetranormalization Context. Hong Yuh Ching and Fábio Gerab

• 15. The Quality Management Systems, The environmental and the social responsibility management systems and their effects on the Human Resources practices. Riad Makdessi and Sélim Mekdessi

• 16. Taking the Natural Environment in the Hospitality Industry into Account: An examination on the relevance of the diversity of standards. Bernard Guillon and Gisèle Sigal
Quality/Ecology fractals:

- the ecosystem-fractal sustains human and non-human life;
- the standards-fractal brings quality-compliance-reporting into software algorithms;
- fractals-driven by commercial exploitation of earth result in global warming.
Fibonacci-Spiral Ecology Fractal

• in the historical events (disease pandemics, famines, revolutions, wars) in England, and political turmoil dating back to the 6th century (Pugesek, 2014)

• Fibonacci # series: 1 2 3 5 8 13 21...
ECO Multi-Fractal
Veta la Plama Fish Farm, SPAIN

• They replace a (narrow focus) MONO-FRACTAL of agribusiness with a MULTI-FRACTAL of different kinds of fractals

• fertile soil, fresh water for fish and birds form an eco-network

• E.g. Flamingos eat shrimp, shrimp eat Phytoplankton, etc.

• This iteration of recurring pattern of self-sameness of scale that comes from implementing the multi-fractal of EXTENSIVE agriculture at higher magnification scales
# Veta La Palma Fish Farm Case

<table>
<thead>
<tr>
<th>CONTRASTS</th>
<th>Mono—Fractal Fish Farm</th>
<th>Multi-Fractal Fish Farm</th>
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</thead>
<tbody>
<tr>
<td>1. Design Rules</td>
<td>Iteration of one kind</td>
<td>Iterations of many kinds</td>
</tr>
<tr>
<td>2. Measurement</td>
<td>Maximize one thing</td>
<td>Pinkness of Flamigo belly</td>
</tr>
<tr>
<td>3. Focus</td>
<td>Intensive agriculture</td>
<td>Extensive agriculture</td>
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<tr>
<td>4. Control</td>
<td>Hierarchy</td>
<td>Heterarchy</td>
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<td>5. Thinking</td>
<td>Uncritical</td>
<td>Eco-critical</td>
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<tr>
<td>6. Logic</td>
<td>Monologic</td>
<td>Polylogical</td>
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<tr>
<td>7. Voice</td>
<td>One</td>
<td>Polyvocal</td>
</tr>
<tr>
<td>8. Storytelling</td>
<td>Mono-narrative</td>
<td>Living Story Web</td>
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HOW TO CHANGE FRACTALS

All four Tetranormalizing Wings are turning multifractal. Use SEAM to develop attunement by successive projects that brings momentum
Using SEAM to tame FRACTAL VIRUS
CONCLUSION

Instead of separation of SOCIAL and ECONOMIC, Henri Savall and Veronique Zardet developed Tetranormalization to bring about socioeconomic NORMS that refractalize the wings together across scalabilities
Thanks to you, and all the authors of this book

- Contact David Boje dboje@nmsu.edu

- Slides, Cases, etc. can be found at http://davidboje.com/fractal