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Considerable Conglomeration of "Cons" of Global Concern

Eightfold constraint on constructive conflict control?

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Introduction

In these strange times there would seem to be a strange preponderance of ways in which problematic conditions are articulated through use of words prefixed by "con". There is therefore a case for exploring this phenomena more systematically. This is done here by clustering words of that form which are used with greatest frequency. The approach is to endeavour to isolate clusters which are especially important to processes of governance -- or to concerns regarding the efficacy of that governance.

In anticipation of a more systematic study and conclusion, clusters of significance can be usefully configured as an eightfold pattern of "con" terms which tend either to be ambiguous or to form meaningful pairs. The pattern is as follows:

1. "Con":

- "*contra*" (or *con*), in the sense of being against any proposed change or remedial initiative (as in the shorter version of the Latin *pro et contra*), with a preference for conservation of the *status quo* -- perhaps creatively reframed, as by "*neocons*". This therefore constitutes a primary constraint on many forms of change. Many public demonstrations and protests may focus primarily on what people are specifically against, leaving implicit exactly what they are for and how that is to be achieved.
- "*con*" as widely used in French as an extremely derogatory expression to denote stupid people (*connard*). This is currently applied by the population to those in authority and the policies they propose -- in France or elsewhere. It may also be implied, through other expressions, by those in positions of power in their exploitation of those they esteem to be ignorant -- as with the miss-selling of complex financial derivatives. In the case of confidence trickery, intended victims are known as "marks". The attitude is exemplified by the widely publicized comment by US presidential candidate Mitt Romney, suggesting that [47% of the population of the US](#) was not worthy of consideration.

2. Confidence, ambiguously:

- *confidence* as experienced in relation to authority, institutions, the professions, society, community, and the future. It is this confidence which has been much abused in recent years, as widely noted in relation to the financial system and in the associated efforts at "confidence-building" (*Abuse of Faith in Governance*, 2009). The disastrous breakdown in confidence has had implications for the self-confidence of many.
- *confidence trickery* ("*con-game*") recognized after the fact as being an exercise in deliberate deception, of which the [subprime mortgage scandal](#) and various [Ponzi schemes](#) are examples.

3. Conviction, as a consequence of belief, and confidence in that belief:

- *conviction*, especially that arising from belief giving rise to the sense of being unquestionably right. A *convict* (also known as a "con") is a person who has been convicted of a crime -- as a consequence of collective belief in the system of justice. The distinct convictions, resulting from confidence variously engendered by different systems of belief, is the root cause of faith-based conflict.
- *condemnation*, is a consequence of conviction that the other is in the wrong. This is currently exemplified by radical interpretations by the different faiths and by the blame-game regarding responsibility for the current financial crisis. Ironically few, if any, of those most complicit have been convicted for their involvement.

4. Consensus:

- *consensus*, as desperately sought in a variety of circumstances with respect to enabling remedial strategies. Current

examples include, climate change, regional conflicts (Iran, etc), minority rights, research ethics, capital punishment, and the like. Meaningful global consensus may be unreachable (cf. *The Consensus Delusion*, 2011)

- **constitution**, as the legal formalization of collective consensus. Constitutional provisions may be used to prohibit valuable change and reform, as with the constitutional amendment ensuring access of the population to firearms in the US.

5. **Control:**

- **control**, as the primary preoccupation of governance and any form of management, and hence the concern of the security services with "law and order". Current conditions suggest that the global system is effectively "out-of-control" and may be essentially ungovernable (cf. *Ungovernability of Sustainable Global Democracy?* 2011)
- **conspiracy**, as highlighted by the many **conspiracy theories** regarding the secretive operations of government, and even the existence of secret government, or secret government agencies. Partial confirmation is offered by former US Senator **Ted Kaufman** (chairperson of the Congressional Oversight Panel) identifying "The Blob", namely the government entities that regulate the finance industry, and the army of Wall Street representatives and lobbyists that continuously surrounds and permeates them (*The Payoff: why Wall Street always wins*, 2012). Further documentation is offered by Tony Cartalucci (*Naming Names: Your Real Government, Land Destroyer Report*, 21 March 2011). Concerns extend most notably to the role of major corporations -- and the existence of a considerable configuration of their conglomerates (*Revealed "" the capitalist network that runs the world*, *New Scientist*, October 2011; **David Korten**, *When Corporations Rule the World*, 1995)

6. **Consumption:**

- **consumption**, as a major current concern in relation to increasing population numbers and the challenge to resources (The Royal Society, *People and the Planet*, 2012) This may also be understood both in terms of the problematic consequences of overconsumption on health (obesity, malnourishment, etc) and the environmental consequences of the accumulation of waste.
- **consummation**, understood in terms of the quest driving many lives, whether understood within the immediate context of (physical) relationships or as the ultimate qualitative achievement of a lifetime of struggle

7. **Conception**, ambiguously interpreted as:

- **conception** of structures of every kind, whether with respect to construction of building, explanations, theoretical models, or images for public relations purposes, namely frames of reference, potentially "written in stone", and including processes promoted by consultants. The consequence of such "emissions" is noteworthy in terms of the plethora of insights and the information overload experienced by many
- **conception** in the sense of unconstrained human reproduction, with its consequent call on increasingly limited resources and the much-challenged capacity to deliver them appropriately. With this is associated the divisive issue of contraception. Especially significant is the manner in which many strategic concerns for both society and the family derive from unconstrained reproduction -- although this originating factor is ignored in framing preoccupation with the immediate challenges.

8. **Consideration**, in various senses of according attention, or not, to what is esteemed to be of importance:

- **consideration**, understood more broadly as according attention and recognition to phenomena which may previously have been neglected -- or deliberately ignoring them. Many expect sympathetic consideration of their condition and circumstances by society and by authority, whether or not this calls for action.
- **concern**, understood as (selective) recognition of a potential danger calling for further investigation and action. Many issues in society are formulated as a focus for action as a consequence of expressed concern, possibly grave concern.

A previous exercise explored the way in which a complex strategic concern could be addressed by ignoring a key consideration (*Lipoproblems: Developing a Strategy Omitting a Key Problem -- the systemic challenge of climate change and resource issues*, 2009). This was inspired by a form of **constrained writing** or **word game** consisting of writing texts in which a common letter or group of letters is omitted -- usually a common vowel. That approach is one adopted by *Oulipo*, a group of writers, poets and mathematicians. In that spirit, the question here is whether the current crisis can be significantly articulated using terms prefixed by "con". Conversely, this is then a form of "game" in which only "con" words are used to describe all the processes of governance from a cybernetic perspective -- cybernetics as being the science of control. The issue then is what would be missing and why?

To that end, the following table clusters a set of 643 words starting with "con" -- of which the first two are **consider*** (902) and **control*** (811). There is an appropriate irony to the emergence of "consider" in this way, given its etymology -- deriving from stellation and sidereal -- even suggestive of "star-gazing". The exercise follows an earlier exploration (*Exploration of Prefixes of Global Discourse: implications of a cognitive prefix for sustainable confidelity*, 2011). The "eightfold" mapping follows from a different exercise (*Mapping Paralysis and Tokenism in the Face of Potential Global Disaster*, 2011).

Clustering of words prefixed by "con"

The site MoreWords.com offers a list of 1947 **words starting with "con"**. The site allows the words to be listed alphabetically, or by frequency of occurrence per million words. Below are reproduced the list of 643 most common words with the frequency of occurrence given in parenthesis in each case. The items from that source have however been clustered in this document by word root (eg "consider") and ordered by decreasing number of total occurrences per word root in the cluster (eg 902 for the "consider" cluster). Clusters with less than 3 total occurrences have been excluded from the main table. MoreWords.com provides a further 1304 less common words (presumably with occurrences less than 1 per million, which are then listed alphabetically on their site. It is unclear from what source the frequencies were derived and whether it has any English vs. American bias.

In the first tables (for greater than 50 occurrences), and purely for purposes of comparison, a count of **Google** search results for the

root word is given (in *millions*). Note that *these figures are purely indicative* in that they derive from Google's use of [stemming](#), which would tend to give unpredictable counts -- depending on the word stem used in the search, and Google's rules for interpretation of that root in any particular case, notably when ambiguity is possible. As a consequence, it is not clear what conclusions can be drawn from the comparison -- or any change implied for the ranking.

A link is provided for convenience within each cluster to a definition of the term of highest frequency on the site of [MoreWords.com](#).

The clustering by word root is of course tentative and could naturally be contested, especially since synonyms are not clustered together which could significantly have changed the frequency ranking. Some clusters might be usefully split. Clusters which contain words of significant ambiguity have been flagged in the right-hand column as "Am."

The column headed "Implications" provides a preliminary tentative indication of the systemic importance, especially for governance, of the cluster. The argument is that the cluster merits consideration in systemic terms, especially given the relative ranking of the number of occurrences in each cluster. As indicated in the eightfold pattern of clusters in the introduction, higher level clusters of systemic significance could be made. The question is then how many would be significance from a cybernetic perspective -- perhaps in the light of the [Viable System Model](#).

Ranking of words with "con" as prefix				
Total	Google	Word cluster (with occurrences per million words) -- Part 1: more than 199 occurrences	Implications	Ambig.
902	893	consider (406), considerable (96), considerably (29), considerate (2), consideration (132), considerations (24), considered (136), considering (41), considers (12)	systemic recognition	Am.
811	3,700	control (677), controllable (1), controlled (46), controller (21), controllers (3), controlling (20), controls (43)	governance, management	
727	1,630	continual (6), continually (13), continuance (2), continuation (17), continue (401), continued (127), continues (40), continuing (53), continuities (1), continuity (27), continuo (1), continuous (26), continuously (9), continuum (4)	predictability	
511	2,020	condition (325), conditional (11), conditionally (1), conditionals (1), conditioned (5), conditioner (5), conditioners (1), conditioning (8), conditions (154)	dependencies	
490	418	concern (255), concerned (163), concerning (34), concerns (38)	potential danger	
400	1,040	contain (226), contained (50), container (24), containers (7), containing (41), containment (6), contains (46)	container metaphor	
389	1,260	contract (294), contracted (8), contractor (23), contractors (9), contracts (45), contractual (9), contractually (1)	commitments	
311	583	contribute (91), contributed (23), contributes (5), contributing (10), contribution (136), contributions (28), contributor (10), contributors (4), contributory (4)	support	
303	2,670	construct (61), constructed (26), constructing (5), construction (129), constructional (1), constructions (3), constructive (10), constructively (1), constructivist (2), constructor (1), constructors (1), constructs (3)	development, "building the future"	
286	341	constituencies (8), constituency (46), constituent (27), constituents (8), constitute (55), constituted (11), constitutes (10), constituting (2), constitution (82), constitutional (31), constitutionality (1), constitutionally (2), constitutions (2), constitutive (1)	mandate, responsibility	
280	9,860	contact (244), contacted (11), contacting (3), contacts (22)	network (collaborators)	
271	415	conclude (71), concluded (31), concludes (8), concluding (5), conclusion (126), conclusions (24), conclusive (4), conclusively (2)	decision-making	
270	180	concentrate (103), concentrated (29), concentrates (6), concentrating (12), concentration (99), concentrations (21)	focus	
252	970	confer (17), conference (213), conferences (12), conferencing (1), conferred (6), conferring (1), confers (2)	dialogue	
244	786	concept (155), conception (42), conceptions (5), concepts (27), conceptual (10), conceptualise (1), conceptualization (2), conceptualize (1), conceptually (1)	reflection, insight	Am.
242	954	consumable (1), consume (24), consumed (8), consumer (111), consumerism (2), consumers (23), consumes (1), consuming (6), consumption (66)		
228	209	conservancy (1), conservation (64), conservationist (4), conservationists (3), conservatism (5), conservative (102), conservatively (1), conservatives (23), conservator (1), conservatories (1), conservators (1), conservatory (9), conserve (9), conserved (3), conserving (1)		Am.
219	3,940	connect (51), connected (34), connecting (7), connection (91), connections (21), connective (2), connectives (1), connectivity (2), connector (5), connectors (1), connects (2), connexion (2)	dependencies	
217	369	consul (5), consular (1), consulate (2), consuls (1), consult (40), consultancies (1), consultancy (17), consultant (48), consultants (16), consultation (53), consultations (5), consultative (8), consulted (12), consulting (8)	dialogue, expertise	
214	736	confidant (2), confidante (2), confide (8), confided (3), confidence (141), confidences (1), confident (32), confidential (11), confidentiality (7), confidentially (1), confidently (5), confiding (1)	confidence	
200	656	context (184), contexts (12), contextual (4)		

Clustering of words prefixed by "con": 2

Ranking of words with "con" as prefix				
Total	Google	Word cluster (with occurrences per million words) -- Part 2: 50 to 199 occurrences	Implications	Ambig.

198	697	confirm (113), confirmation (24), confirmed (49), confirming (5), confirms (7)	"concrete proof"	
195	188	consist (76), consisted (13), consistency (20), consistent (31), consistently (16), consisting (13), consists (26)	composition	
192	152	consequence (113), consequences (44), consequent (8), consequential (2), consequently (25)	outcomes	
192	510	conductive (3), conduct (122), conductance (2), conducted (30), conducting (8), conduction (1), conductivity (2), conductor (15), conductors (2), conducts (2), conduit (4)	conduit metaphor	
178	6,910	content (140), contented (4), contentedly (1), contentment (3), contents (30)	satisfaction	Am.
167	548	contrast (147), contrasted (5), contrasting (7), contrasts (8)	requisite variety	
159	347	conflict (134), conflicted (1), conflicting (9), conflicts (15)	conflict	
149	597	convent (11), convention (82), conventional (39), conventionalism (2), conventionally (3), conventions (12)		
140	821	conversant (1), conversation (120), conversational (4), conversationally (1), conversations (10), converse (4), conversely (8), conversing (1)		Am.
128	541	conversion (45), conversions (3), convert (54), converted (23), converts (3)		Am.
123	143	conscience (29), consciences (1), conscientious (3), conscientiously (1), conscious (31), consciously (6), consciousness (52)		Am.
121	477	congress (111), congresses (1), congressional (5), congressman (3), congressmen (1)		Am.
114	89	confuse (18), confused (25), confuses (1), confusing (9), confusingly (1), confusion (59), confusions (1)		
103	289	consensual (2), consensus (18), consent (76), consented (3), consenting (2), consents (2)		
092	445	constancy (2), constant (57), constantly (31), constants (2)	predictability	
090	139	convict (17), convicted (15), conviction (49), convictions (8), convicts (1)		Am.
086	118	convince (35), convinced (33), convinces (1), convincing (14), convincingly (3)	"concrete proof"	
073	56	constrain (12), constrained (8), constraining (1), constraint (33), constraints (19)	obstacles	
073	68	confront (31), confrontation (22), confrontational (1), confrontations (2), confronted (12), confronting (4), confronts (1)	truth-telling	
068	22	confine (33), confined (24), confinement (6), confines (3), confining (2)	restriction	
067	1,200	concert (45), concerted (3), concerto (10), concertos (1), concerts (8)		Am.
065	639	contemporaneous (1), contemporaries (9), contemporary (55)		
064	179	controversial (21), controversially (1), controversies (2), controversy (40)	conflict	
059	289	continent (35), continental (20), continents (4)		Am.
059	963	contest (42), contestable (1), contestant (4), contestants (2), contested (6), contesting (1), contests (3)	competitiveness	
058	45	condemn (28), condemnation (10), condemned (16), condemning (3), condemns (1)	blame-gaming	
056	83	convey (31), conveyance (6), conveyancer (3), conveyancers (1), conveyancing (3), conveyed (2), conveying (3), conveyor (2), conveys (3)		
054	59	confess (23), confessed (7), confesses (2), confessing (1), confession (15), confessional (2), confessions (2), confessor (2)	truth-telling	
051	25	contradict (10), contradicted (2), contradicting (1), contradiction (23), contradictions (7), contradictory (7), contradicts (1)	challenge	

Clustering of words prefixed by "con": 3

Ranking of words with "con" as prefix			
Total	Word cluster (with occurrences per million words) -- Part 3: less than 50 occurrences	Implications	Ambig.
049	constable (42), constables (4), constabulary (3)		
046	convenience (19), conveniences (1), convenient (20), conveniently (6)		
044	concession (25), concessionary (2), concessions (11)		
044	conceivable (4), conceivably (3), conceive (23), conceived (12), conceives (1), conceiving (1)		Am.
042	contemplate (23), contemplated (5), contemplates (1), contemplating (5), contemplation (6), contemplative (2)		
040	conform (21), conformance (2), conformation (4), conformational (1), conformations (1), conformed (1), conforming (1), conformist (2), conformity (5), conforms (2)		
039	conceal (24), concealed (10), concealing (2), concealment (2), conceals (1)	deception	
037	concrete (36), concretion (1)		
037	concede (23), conceded (10), concedes (2), conceding (2)		
035	conspiracy (23), conspirator (2), conspiratorial (1), conspirators (1), conspire (5), conspired (1), conspiring (2)	deception	
035	conquer (9), conquered (4), conquering (1), conqueror (5), conquerors (1), conquest (14), conquests (1)	conflict	
032	congregate (3), congregated (1), congregation (22), congregational (2), congregationalist (1), congregationalists (1), congregations (2)		
032	configuration (23), configurations (3), configure (3), configured (2)		
031	contend (13), contended (3), contender (9), contenders (3), contending (1), contends (2)		Am.
031	contempt (26), contemptible (1), contemptuous (2), contemptuously (2)	disregard	
031	consolidate (13), consolidated (7), consolidating (1), consolidation (10)		
028	contaminant (1), contaminants (1), contaminate (6), contaminated (7), contaminating (1), contamination (12)	environmental degradation	
027	contingencies (2), contingency (12), contingent (12), contingents (1)		
025	contractile (1), contracting (8), contraction (13), contractions (3)		Am.
024	consort (5), consortia (1), consortium (18)		Am.

024	congratulate (13), congratulated (3), congratulating (1), congratulation (1), congratulations (6)		
022	consolation (11), console (9), consoled (1), consoling (1)		
020	converge (7), converged (1) convergence (10), convergent (1), converging (1)		
020	contention (14), contentions (1), contentious (5)		Am.
019	con (16), cons (3)	challenge	Am.
017	converter (3), converters (1), convertibility (1), convertible (6), converting (6)		Am.
016	convoy (14), convoys (2)		
015	consign (3), consigned (2), consignee (2), consignment (7), consignments (1)		
014	contraception (8), contraceptive (4), contraceptives (2)		
014	construe (8), construed (5), construing (1)		
014	cone (11), cones (3)		
013	convene (6), convened (3), convener (2), convenor (2)		
013	condensation (6), condense (3), condensed (2)		
012	conjure (8), conjured (2), conjures (1), conjuring (1)		
012	conglomerate (8), conglomerates (2), conglomeration (2)		
012	congested (2), congestion (10)		
012	confederate (1), confederation (11)		
011	contrivance (2), contrive (5), contrived (4)		
011	condom (8), condoms (3)		
011	concur (3), concurred (1), concurrence (1), concurrent (4), concurrently (2)		Am.
010	conspicuous (8), conspicuously (2)		
010	contravene (3), contravened (1), contravening (1), contravention (5)		
010	contour (7), contours (3)		
009	connotation (5), connotations (3), connote (1)		
009	conjugal (1), conjugate (2), conjunction (5), conjunctions (1)		Am.
008	consecutive (7), consecutively (1)		
008	confiscate (3), confiscated (2), confiscation (3)		
007	consonant (5), consonants (2)		Am.
007	conscript (2), conscription (4), conscripts (1)		
007	conifer (4), coniferous (1), conifers (2)		
006	constipation (6)		
006	constellation (5), constellations (1)		
006	consecrate (2), consecrated (2), consecration (2)		
006	conjecture (5), conjectures (1)		
006	confound (4), confounded (1), confounding (1)		
006	conciliation (4), conciliatory (2)		
005	convulse (1), convulsion (1), convulsions (1), convulsive (1), convulsively (1)		
004	convocation (4)		
004	conurbation (3), conurbations (1)		
004	constrict (1), constricted (1), constriction (2)		
004	connoisseur (3), connoisseurs (1)		
004	conned (1), conner (2), connive (1)		Am.
004	confection (1), confectioner (1), confectionery (2)		
004	condone (3), condoned (1)		
004	concoct (1), concocted (1), concoction (2)		
004	concise (3), concisely (1)		
003	convalesce (1), convalescence (1), convalescent (1)		
003	contort (1), contorted (2)		
003	contiguous (3)		
003	consummate (2), consummation (1)		
003	congruence (2), congruent (1)		
003	congenital (3)		
003	concourse (3)		
003	concord (1), concordance (2)		Am.
003	concomitant (3)		
003	conceit (2), conceited (1)		

Ranking of words with "con" as prefix	
Word cluster (with occurrences per million words) -- Part 4: 1 to 3 occurrences	
convex (2), convection (2), conundrum (2), contraption (2), contagious (2), consternation (2), congo (2), conflagration (2), confluence (2), condolence (1), condolences (1), condescending (1), condescension (1), concussion (2), concentric (2), convoluted (1), convivial (1), contrite (1), contralto (1), continence (1), conker (1), conical (2), congenial (2), confetti (1), conflate (1), coney (1), condor (1), concubine (1), concave (1)	

Conclusion?

The table as ordered is indicative of the possibility of further exploration -- rather than aspiring to be conclusive in any way. It encourages reflection on the speculative question raised in the introduction above. To what extent does the set of "con" words constitute a form of vocabulary (or "pattern language") through which the conception of a viable system of governance can be contemplated? Why is such considerable use made of "con" words? To what extent do they convey an unrecognized concern with configuration and other

forms of construction? How is it that conflict and contradiction are then part of the array -- as with other words offering a "contraindication"?

How to explain the recent recognition in a sceptical global culture of the vital importance of an intangible -- confidence? (cf. *Primary Global Reserve Currency: the Con? Cognitive implications of a prefix for sustainable confidence*, 2011). Of more particularly interest is the way in which this concern is accompanied by recognition of the degree to which confidence is abused -- through confidence trickery deployed against those effectively framed as "con" (in the derogatory French sense), by those with claims to expertise and authority. Ironically these include the so-called "neocons". Consequently, these in turn -- and their proposals -- are themselves defined as "con" by increasing proportions of the wider population.

The fundamental ambiguity thereby associated with uses of "con" is consistent with the uncertainty and risk-taking increasingly recognized as associated with collective decision-making -- and with the "spin" so widely employed in competing efforts to reframe any coherent understanding. The dynamics involve a sense of "game-playing" -- one in which peoples livelihoods and lives are at stake. These dynamics can be variously explored (cf. *Viable Global Governance through Bullfighting: challenge of transcendence*, 2009; *Monkeying with Global Governance: emergent dynamics of three wise monkeys in a knowledge-based society*, 2011).

Given the clustering by frequency, to what extent do the more frequent terms provide an adequate basis for a comprehensive language? To what extent do some words of lower frequency carry insights into functions deemed essential to system viability? The absence of "condominium" is of interest -- given the options it could offer for resolution of complex territorial disputes.

What essential functions are carried by other words -- perhaps associated with other prefixes? The possibility has been separately explored (*New Paradigms via a Renewed Set of Prefixes? Dependence of international policy-making on an array of operational terms*, 2003). This raises the question as to how limited is the perspective offered by the array of "con" words, however clustered? Is it then the array of prefixes which is then more indicative of systemic functions required for system viability?

It might be considered strange that, whilst change of every kind thrives on "proposals", no constraining process is held to be appropriate -- perhaps in the form of "conposals". The ironic remedy is "conception" -- with all its ambiguous connotations and consequences.

The consequence of deliberately omitting, or unconsciously missing, a dimension essential to systemic viability was mentioned above with respect to a previous exercise (*Lipoproblems: Developing a Strategy Omitting a Key Problem -- the systemic challenge of climate change and resource issues*, 2009). Of particular value in this respect is the recent study of Terrence Deacon (*Incomplete Nature: how mind emerged from matter*, 2012). He explores the paradoxical incompleteness of semiotic and teleological phenomena in terms of information to demonstrate how specific absences (or constraints) play the critical causal role in the organization of physical processes that generates these properties.

The fundamental value of focusing on what is "absent" from conventional explanation is introduced by Deacon by comparing it to the vital role of [zero](#) in the number system -- itself a great discovery. For Deacon:

Basically, it means that our best science -- that collection of theories that presumably comes closest to explaining everything -- does not include this one most defining characteristic of being you and me. In effect, our current "Theory of Everything" implies that we don't exist, except as collections of atoms. So what's missing? **Ironically and enigmatically, something missing is missing.** (p. 1) [*emphasis added*]

Deacon places great emphasis on the vital constraining role of absence in systemic organization. It has been notoriously emphasized by Donald Rumsfeld in his role as US Secretary of Defense, as separately discussed (*Unknown Undoing: challenge of incomprehensibility of systemic neglect*, 2005). It is in this sense that the "hole" recognized in the new metaphor proposed by Oxfam offers vital insights into the possibility of more viable strategic organization (Kate Raworth (*A Safe and Just Space for Humanity: can we live within the doughnut?*), Oxfam, February 2012). This possibility is separately considered (*Exploring the Hidden Mysteries of Oxfam's Doughnut: recognizing the systemic negligence of an Earth Summit*, 2012).

References

Terrence W. Deacon:

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- *The Symbolic Species: the co-evolution of language and the brain*. W. W. Norton, 1997

Kate Raworth. *A Safe and Just Space for Humanity: can we live within the doughnut?*, Oxfam, February 2012 [[text](#)]



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