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The Cybersystemic Praxis Demands Governance Innovations: "Cybersyn; Chile 1970-73 offered was a vision for National (and Global) Governance,"

Prof. Raul Espejo
Director-General of the World Organisation of Systems and Cybernetics (www.wosc.co)
Hannover, July 2015

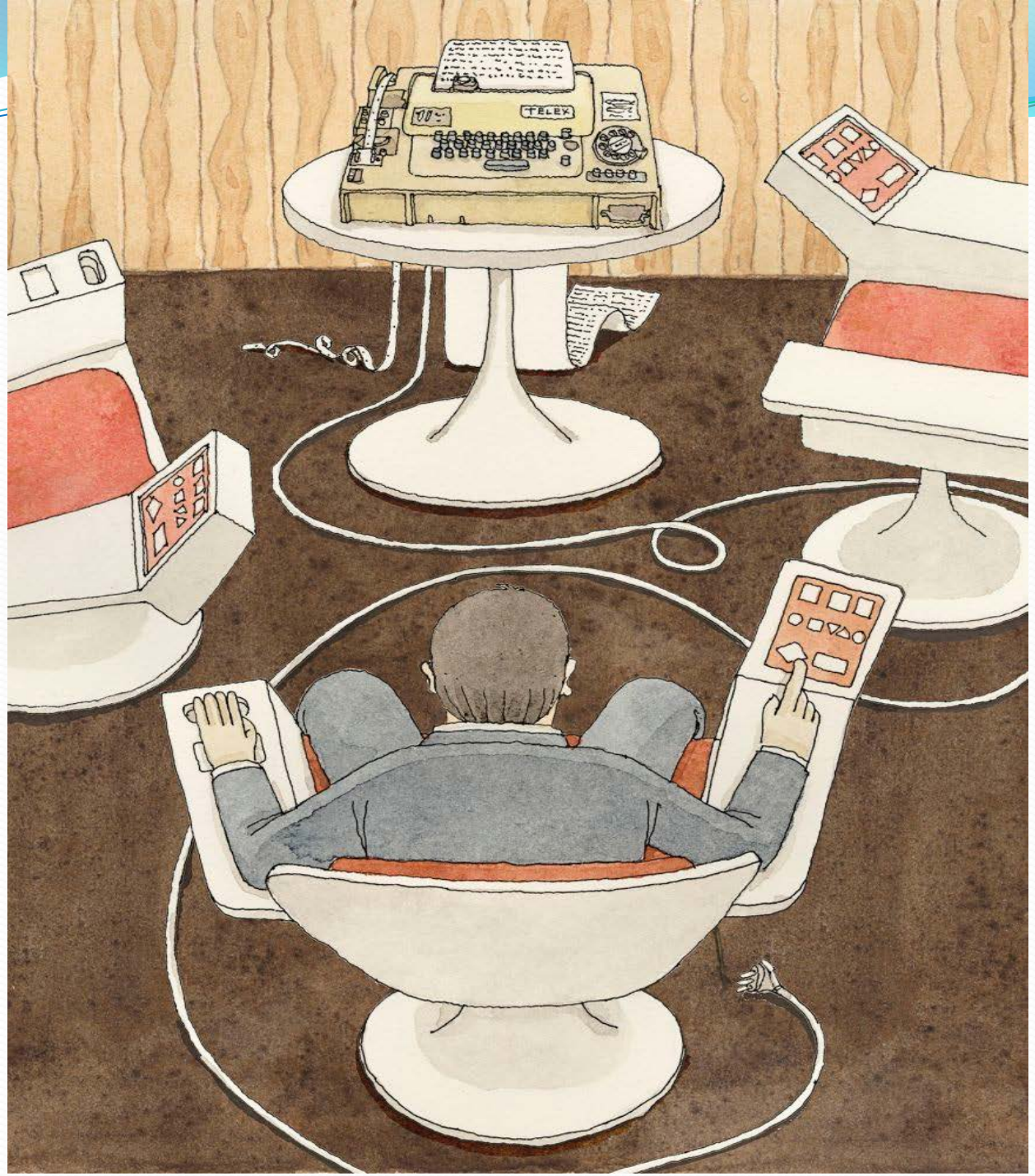
Cybernetics of Governance in Chile 1971-1973

A Vision for National Governance

Beer's vision for Chile's National Economy:

- Cybernet: a communications network
- Cyberstride: management in real time (inside and now)
- CHilean ECOnomy (CHECO): outside and then
- Liberty Machine: the Operations Room

See: Beer, S. 1981 "The Brain of the Firm" (2nd edition), Wiley, Chichester



The New Yorker,
13 Oct, 2014

Cybersyn: a Vision of Holistic Governance

- The creation and application of Cybersyn to the Chilean economy in the early 1970s was indeed an instance of visionary thinking. More than the success or failure of its implementation it was its creativity and vision what was left for the future (see Espejo R. (2014) The Cybernetics of Governance: The Project Cybersyn 1971-1973, *In Social Systems and Design*, p.71-90 Edited by G.S. Metcalf, Springer, Tokyo, Heidelberg and also see youtube/JGTE0JI5-Y4).
- Beyond its technological implementation Cybersyn was a proposal for holistic governance; Beer's Viable System Model was a visionary anticipation of the shortcomings of our reductionist and fragmented management.

Fragmentation, Self-organisation and Organisational System

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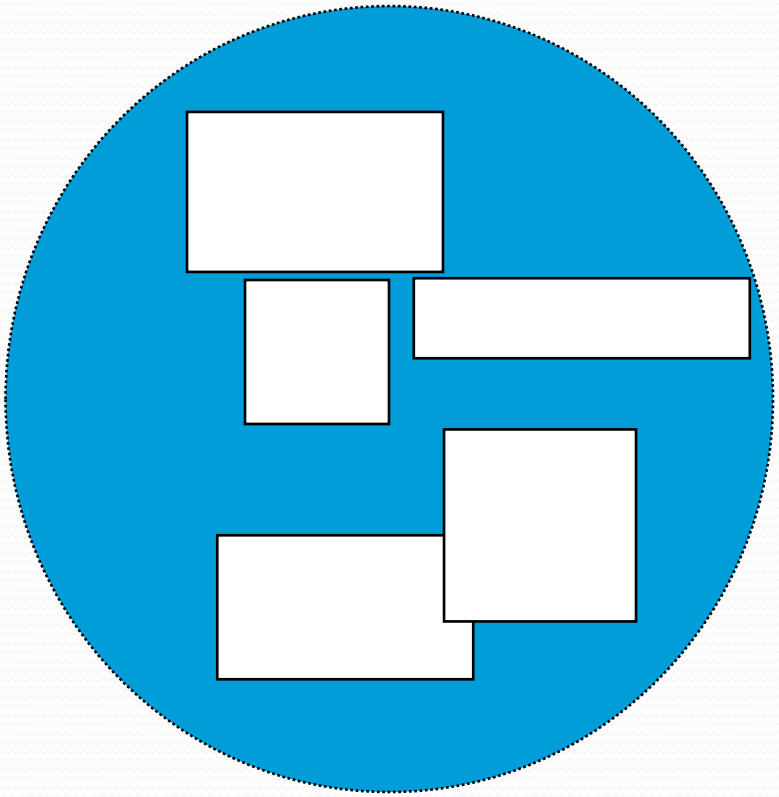

Fragmentation makes more difficult the self-organisation of the resources necessary for a holistic governance of our eco-systems

Biosphere: Global connectivity of all eco-systems

Connant and Ashby's Theorem

R. Connant and R. Ashby: "Every Good Regulator of a System Must be a Model of that System" (International Journal of Systems Science, Vol 1, No 2, 1970)

Communications and Transparency

A cyber-systemic challenge is making citizens and politicians increasingly aware of the need of holistic governance to improve the prevailing reductionist approaches.

Today we are increasingly aware about the costs of this reductionism.

How can we move towards holistic governance? The VSM offers a heuristic for communications and transparency.

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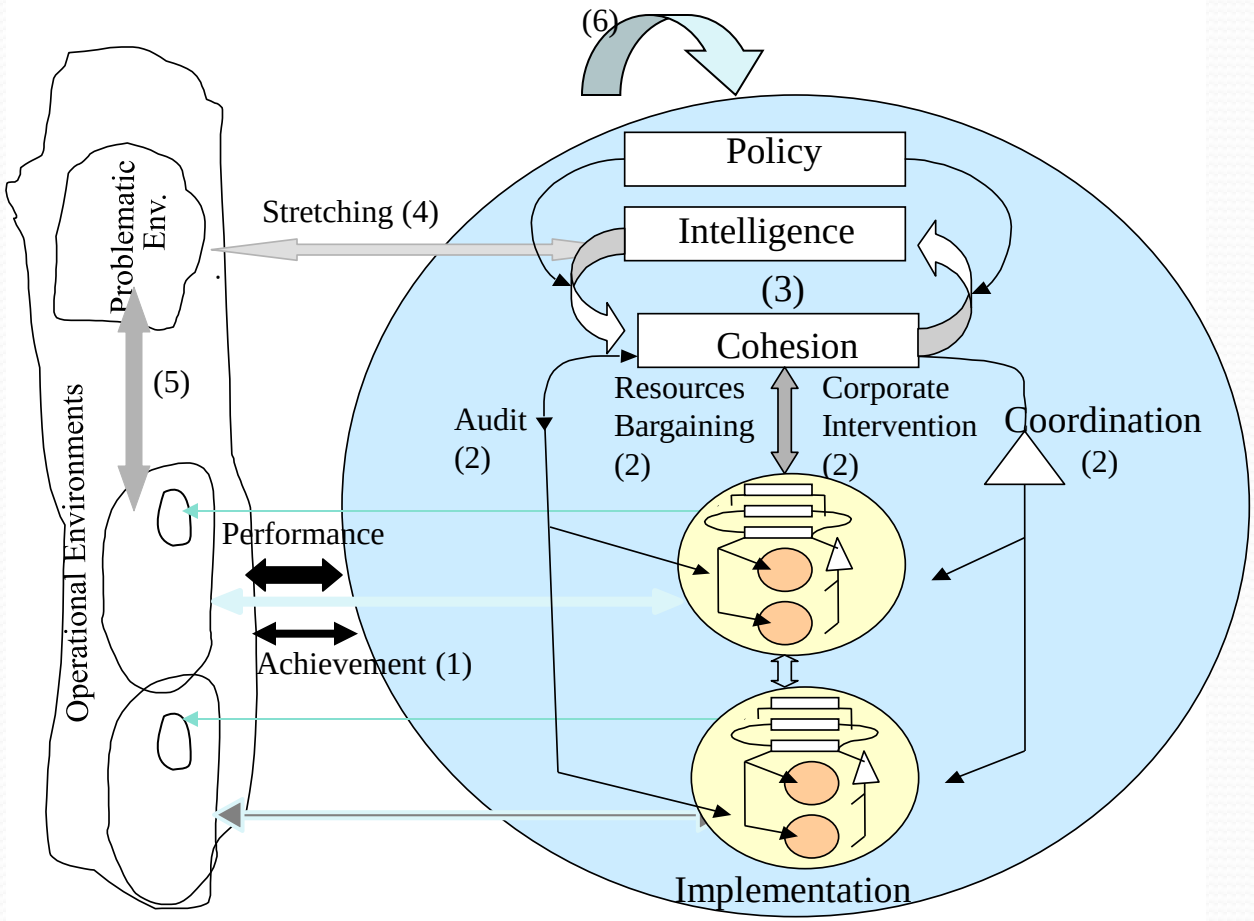

Beer´s Viable System Model

Towards…

- Holistic governance requires the co-production of values between the people (citizens) and policy-makers to make visible their guidance and concerns and...
- Transparency of communications between citizens and policy-makers is far more than making information available: it is building up effective organisational systems.
- These are points emerging from the vision of Beer´s Cybersyn.