# Identifying perception of leverage: Where do managers point to for fixing issues, and for explaining what/where to change.



12 PLACES OF INTERVENTION IN A SYSTEM:					
(In increasing order of effectiveness).		T	M	F	
1.	Constants, numbers, parameters (e.g., discounts, interest rates, rewards, subsidies, standards, taxes, etc.).				
2.	Sizes of buffers and other stabilizing stocks (relative to their flows).				
3.	Structure of material stocks and flows (e.g., customer segments, employee morale, inventory levels, population groups, transport networks, etc.).				
4.	Delays – how long it takes for things to change relative to system change rate.				
5.	Strength of negative feedback loops – relative to the impacts they are trying to correct against.				
6.	The gain(s) around driving positive feedback loops.				
7.	Structure of information flow – who does and does not have access to information flow, and who can and cannot act on that information.				
8.	The rules of the system (e.g., constraints, incentives, punishments, etc.).				
9.	The power to add, change, evolve, or self-organize system structure.				
10.	The goals of the system.				
11.	The mindset (i.e., paradigm) out of which the system arises (including its goals, rules, delays, structure, parameters, etc.).				
12.	The power to transcend paradigms.				

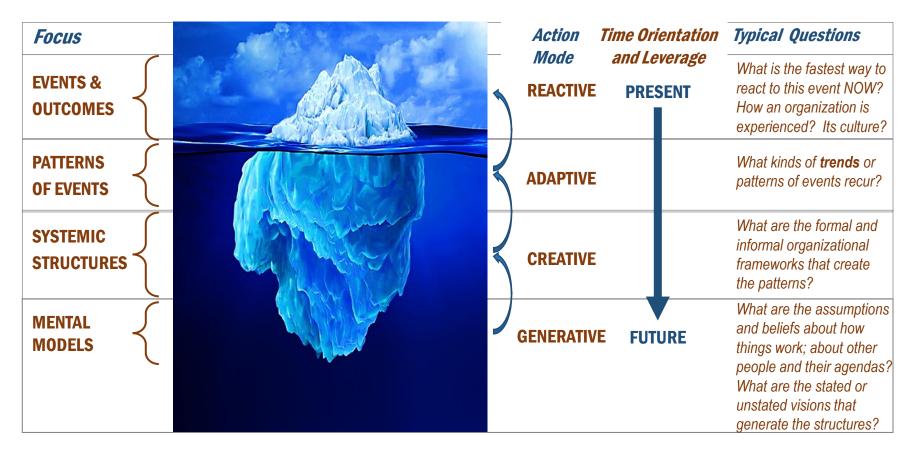
Adapted and modified from Donella Meadows, The Sustainability Institute, 1999.

# Clarifying focus for systemic leverage: A metaphorical depiction of where deeper, futuristic focus secures highest rewards.



### **4 LEVELS OF INFLUENCE TO CHANGE A SYSTEM:**

(In increasing order of effectiveness as we go deeper).



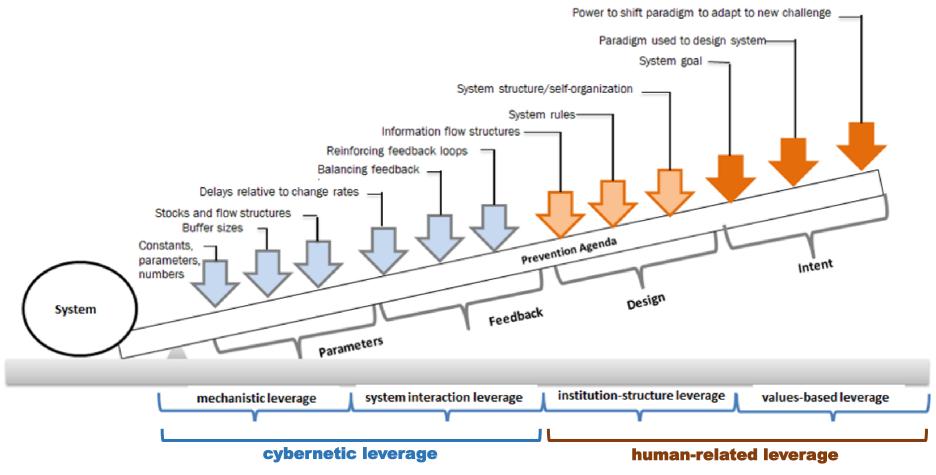
Adapted and modified from various parts of *The Fifth Discipline Fieldbook*, by Peter Senge, Currency, 1994.

### Systemic leverage has 3 places: system interaction, institutionstructure, and values-based – ranging feedback, design, intent.



#### **TYPICAL & DYNAMIC INTERVENTIONS:**

(Moving onward and upward for greater impact).



Adapted from Donella Meadows and modified from Jacobus Van't Hoff, *Thinking in Systems*. 2014. https://csl4d.wordpress.com/2014/03/19/thinking-in-systems.