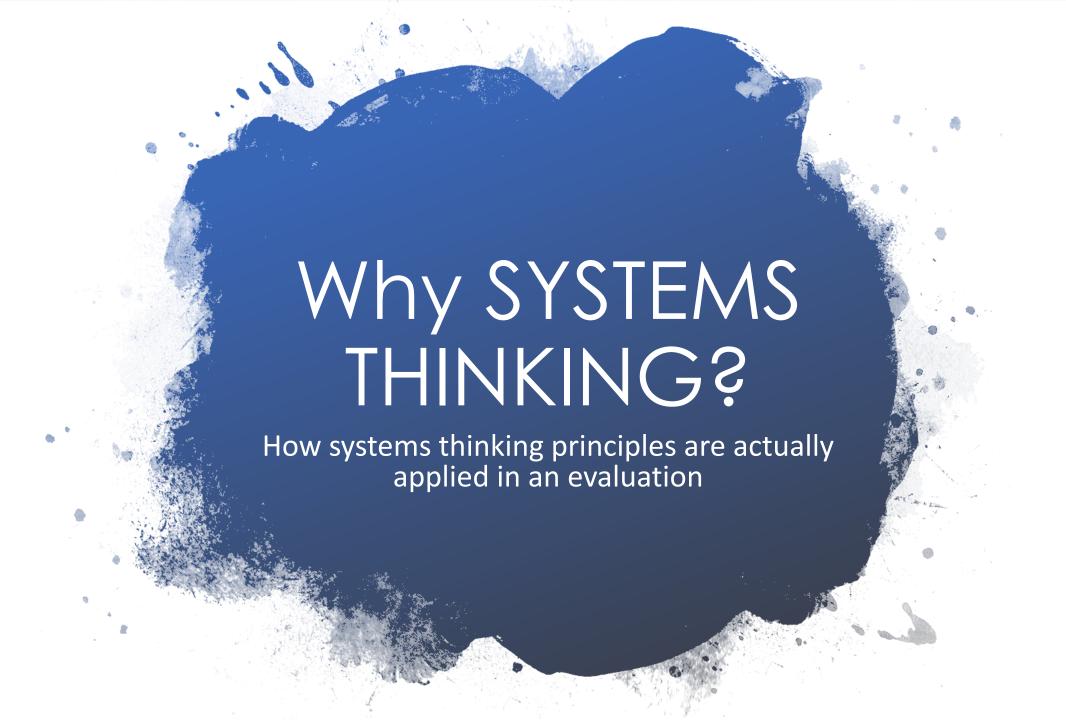
'Acknowledgement of Country' by Jonathan Hill

Today we stand in footsteps millennia old. May we acknowledge the traditional owners whose cultures and customs have nurtured, and continue to nurture, this land, since men and women awoke from the great dream. We honour the presence of these ancestors who reside in the imagination of this land and whose irrepressible spirituality flows through all creation.

Source: Jonathan Hill is an Aboriginal poet living in New South Wales.

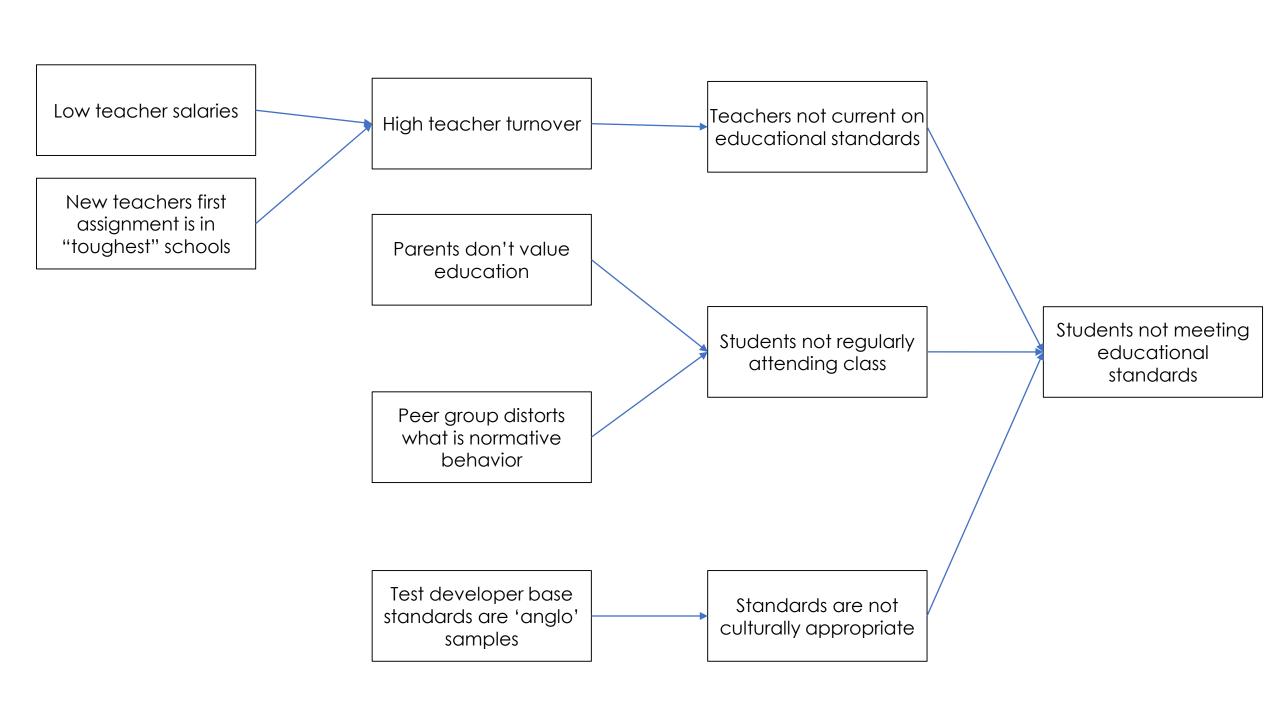


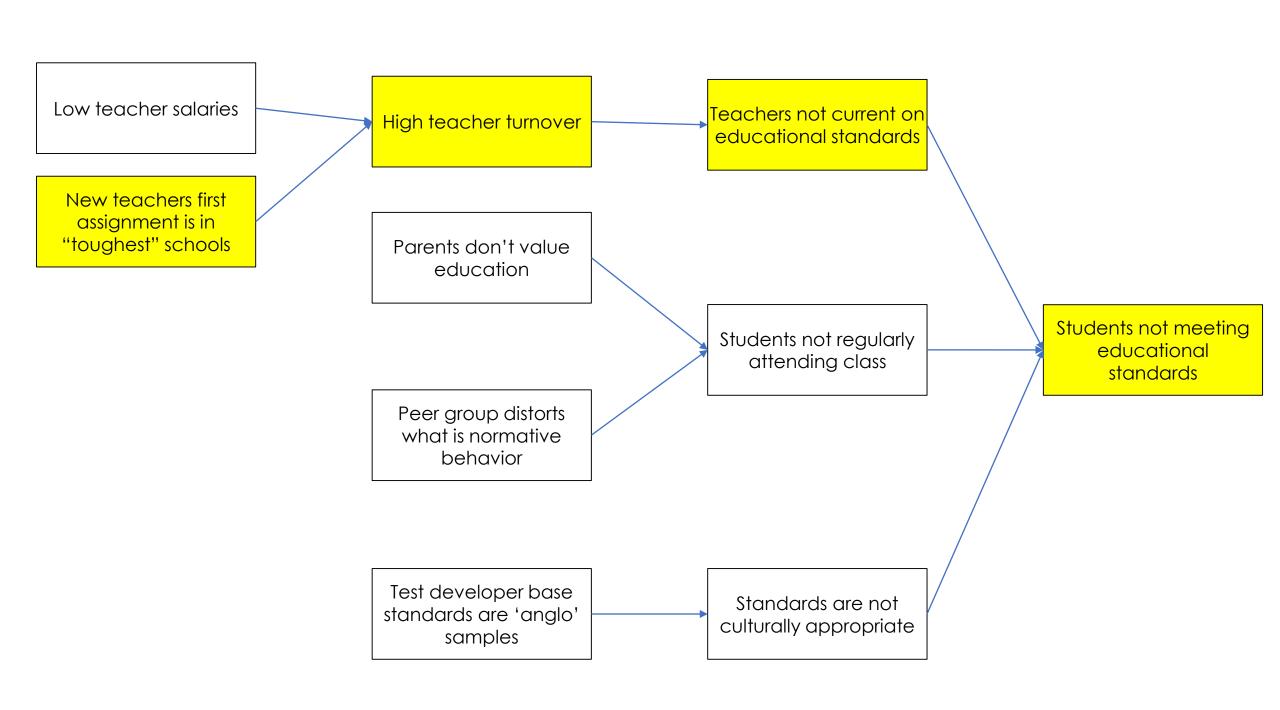


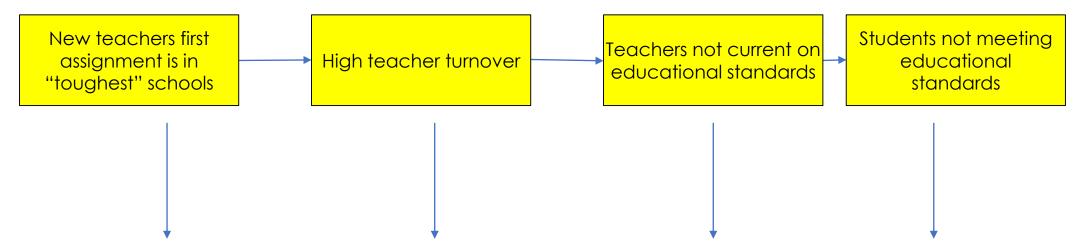
Systems Evaluation Theory (SET) has been developed because of a frustration with logic models in evaluation being linear, isolated and removed from context

The connection between logic models and systems thinking concepts Ralph Renger, Lewe Atkinson, Jessica Renger, Jirina Renger, Gary Hart First Published June 19, 2019 Research Article

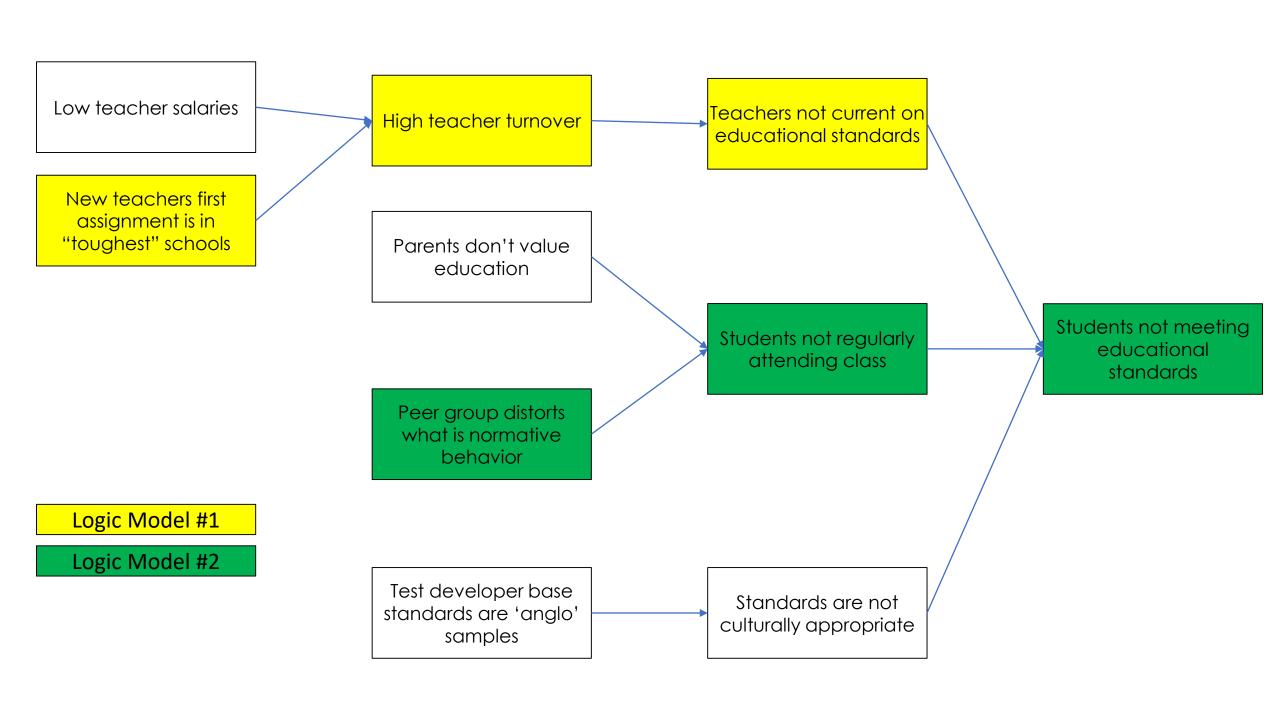
https://doi.org/10.1177/1035719X19853660

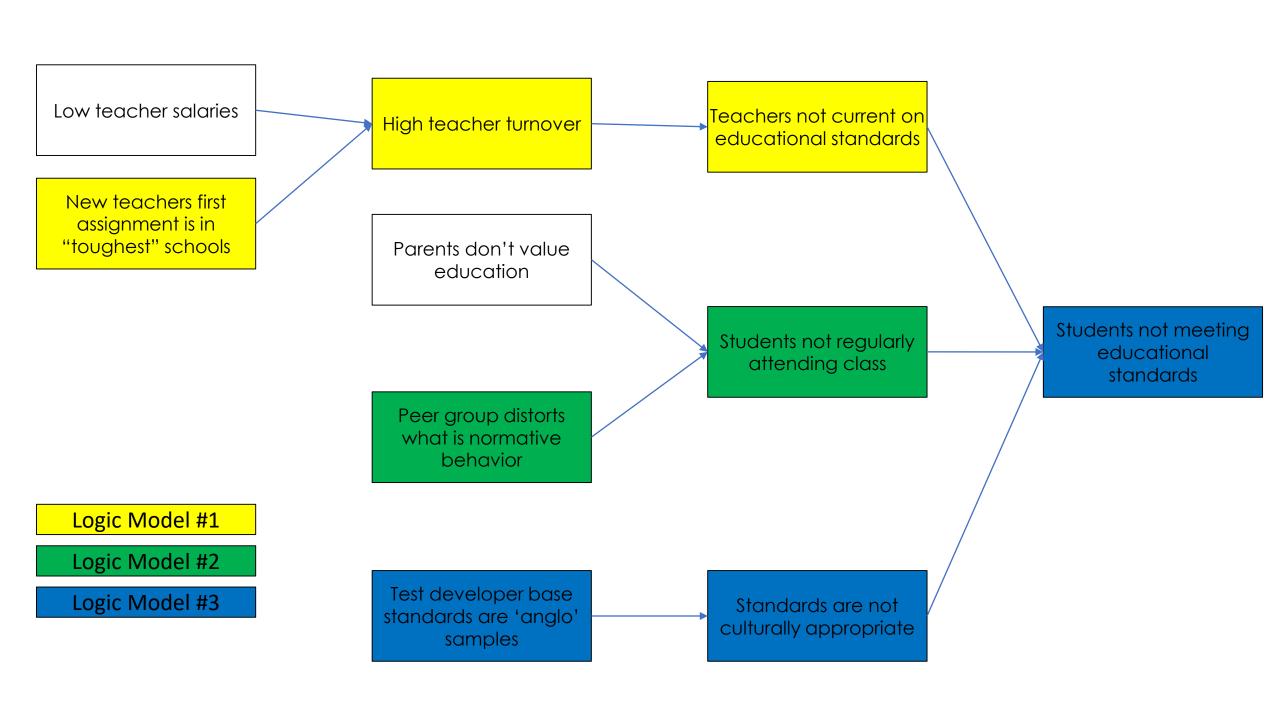






Program Assumptions	Intervention	Inputs	Outputs	Immediate	Intermediate	Long Term
If new teachers are brought along slowly they will be better prepared for tougher challenges, have longer tenure, be better prepared and students will have higher achievement	Teacher mentoring program	Funding Mentor training curriculum	Number of teachers in program	Lower teacher attrition rates	Teacher curriculum aligned with standards	Improved test scores

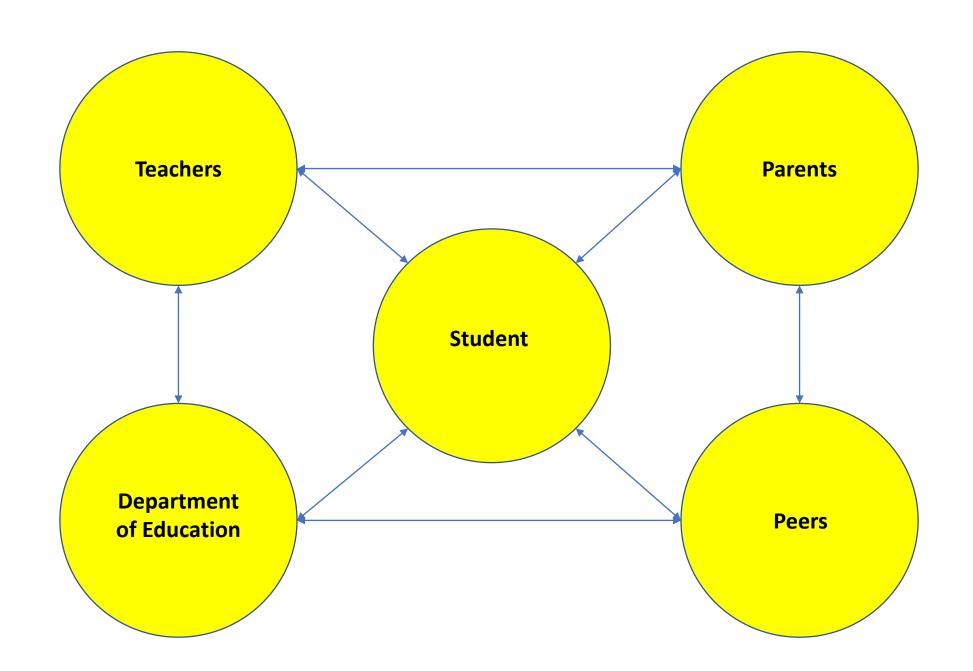




Why is SET different?

SET looks at a program as a series of systems (rather than a linear cause and effect process) and develops an understanding of the various interactions.

SET recognizes the need to evaluate the effectiveness of the system as a whole attempting to isolate and evaluate the effectiveness of any part or subsystem is nonsensical.



SUMMARY OF KEY TERMS

Systems Evaluation Theory

Principles for Effective Use of Systems Thir ring in Evaluation A 1018

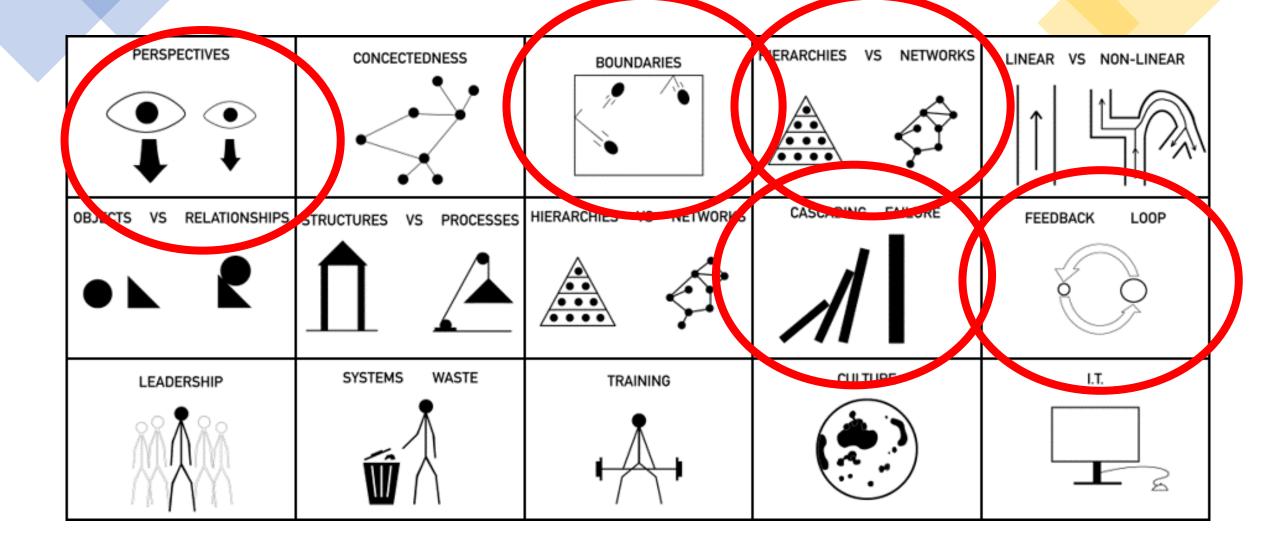
ships

- •Bounc¹
- •Per
- •Fee
- •Cascac
- Reflex arcs

SET incorporates

all these principles

- tailures
- •Dynamizs

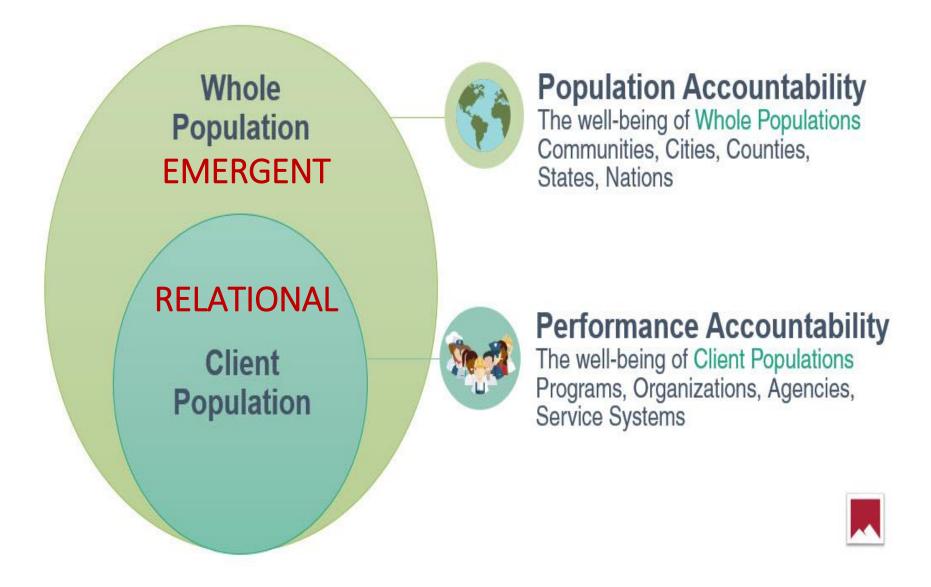


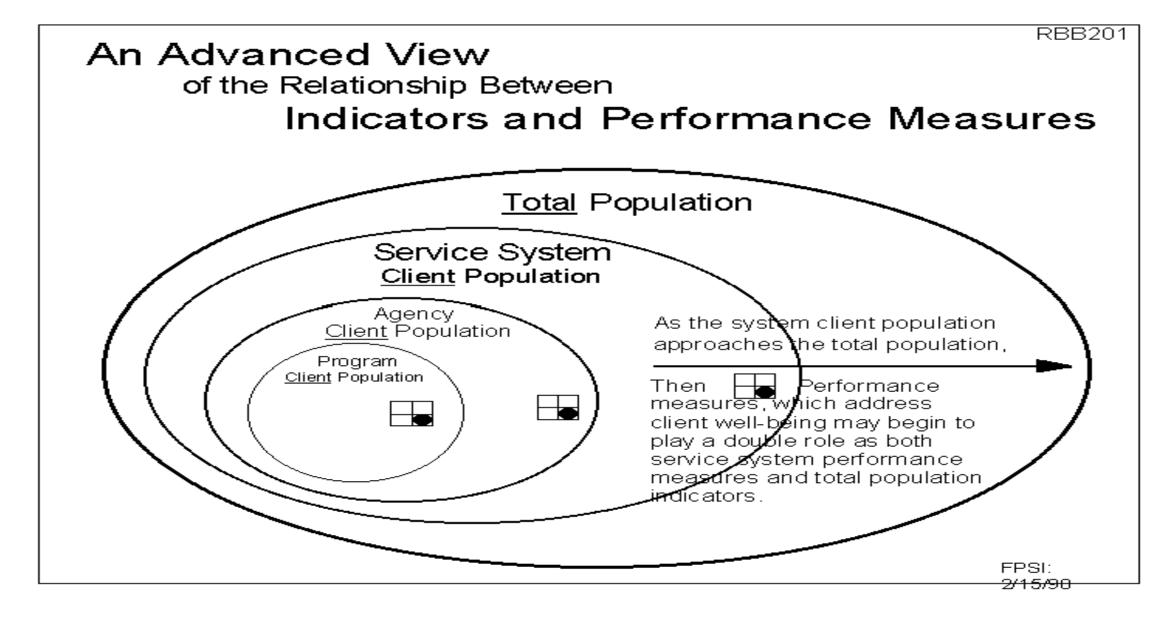
SET in 3 Steps

- 1. Define the system boundaries, elements, and relationships.
- 2. Evaluate efficiency in terms of how well the elements work together toward a common system goal.
- 3. Evaluate effectiveness in terms of how well the elements work together toward a common system goal.

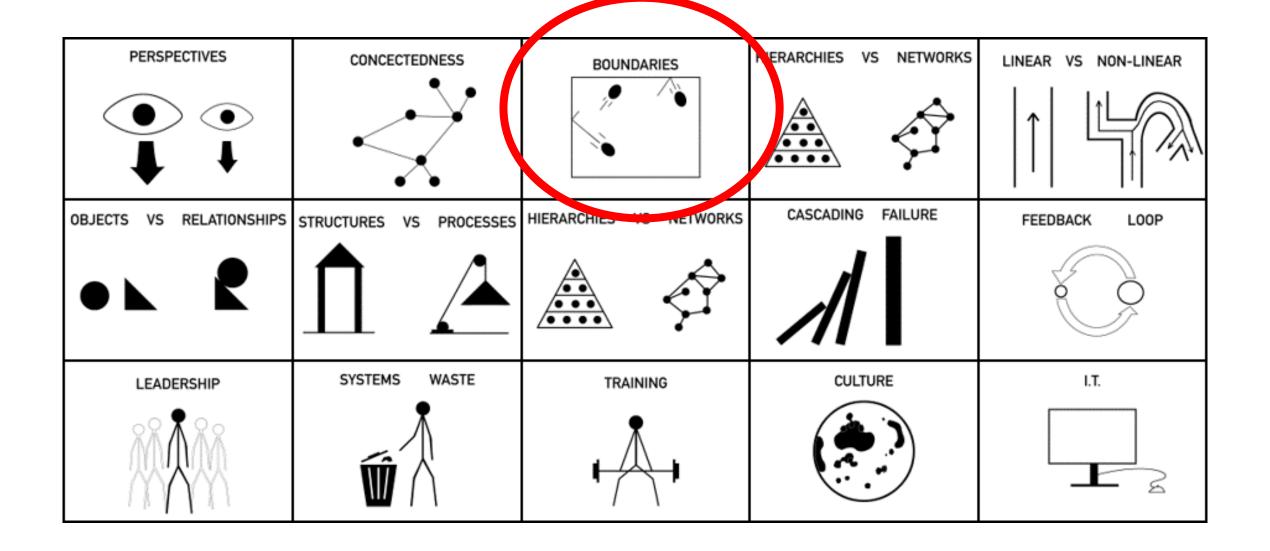
A series of additional system concepts are brought to bear to meet the step 2 and 3 needs (including; feedback loops, reflex arcs, wholeness, synergy, etc.)

Results Based Accountability & Boundaries





"it is extremely rare that any one program can change population conditions...p 98"



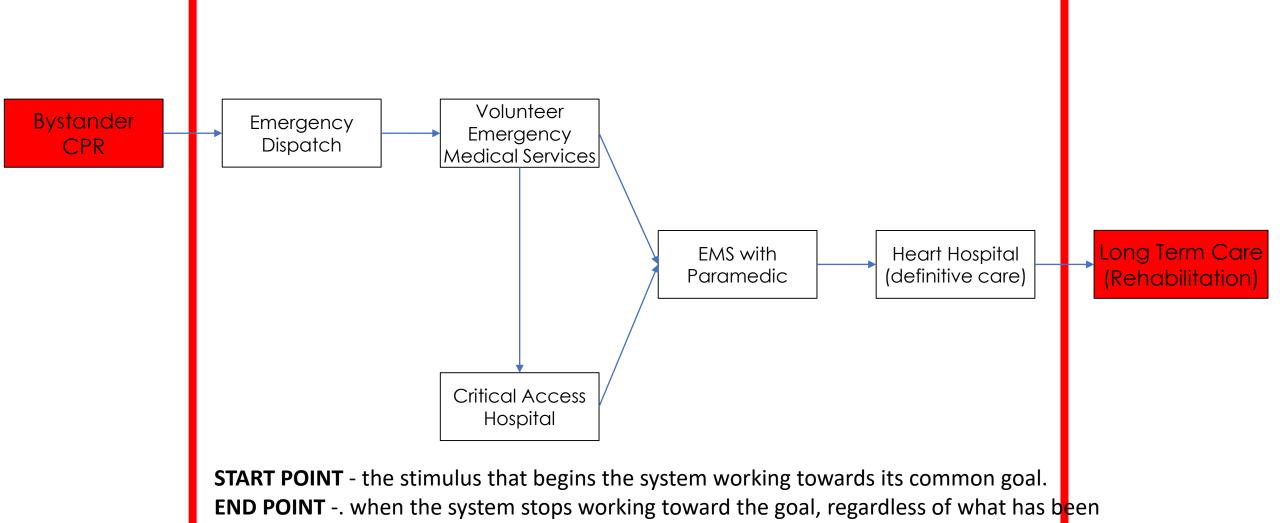


Identify key boundaries. Look at the range of boundaries and potential consequences. Make transparent and justify the boundaries used.



- Define system boundaries
 - Define common system goals
 - Define system inputs
 - Validate definitions and goals
- Elements aligned within the common goal are included in the system boundaries; those that are not aligned with the goal are excluded from the system boundaries.
- Define subsystems and subsystem boundaries





IMPORTANT – whose perspectives need to be included for credibility, and to ensure the

achieved

results are used?

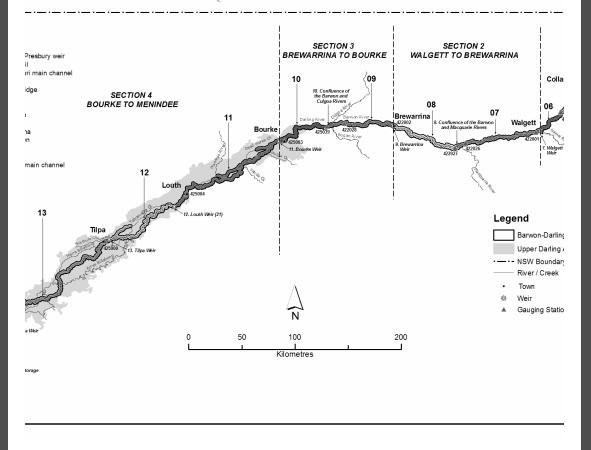


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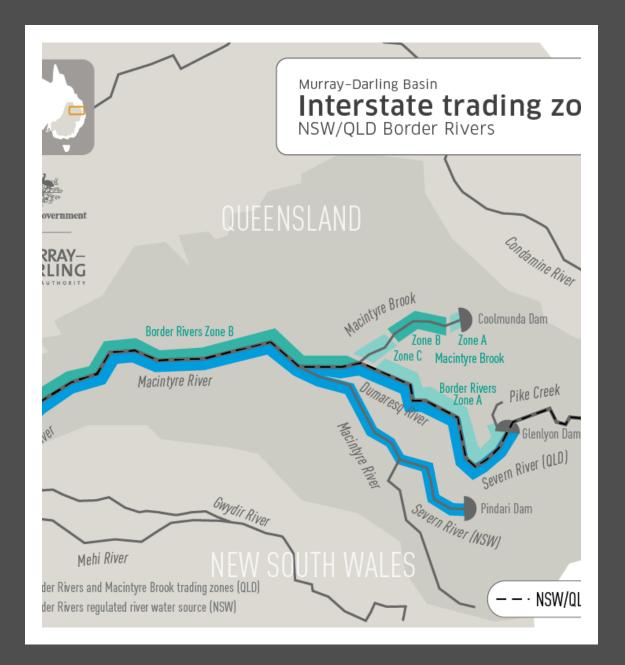
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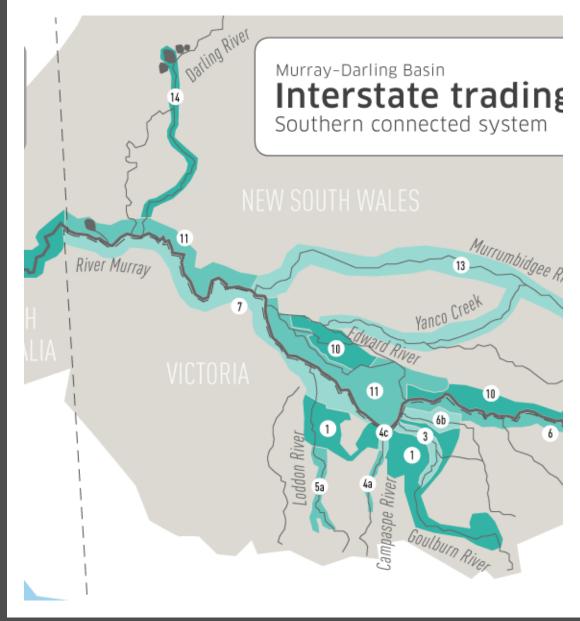
- 08 Boorooma to Brewarrina Management Zone
- 09 Brewarrina to Culgoa River Junction Management Zone
- 10 Culgoa River Junction to Bourke Management Zone
- 11 Bourke to Louth Management Zone
- 12 Louth to Tilpa Management Zone
- 13 Tilpa to Wilcannia Management Zone
- 14 Wilcannia to Upstream Lake Wetherell Management Zone

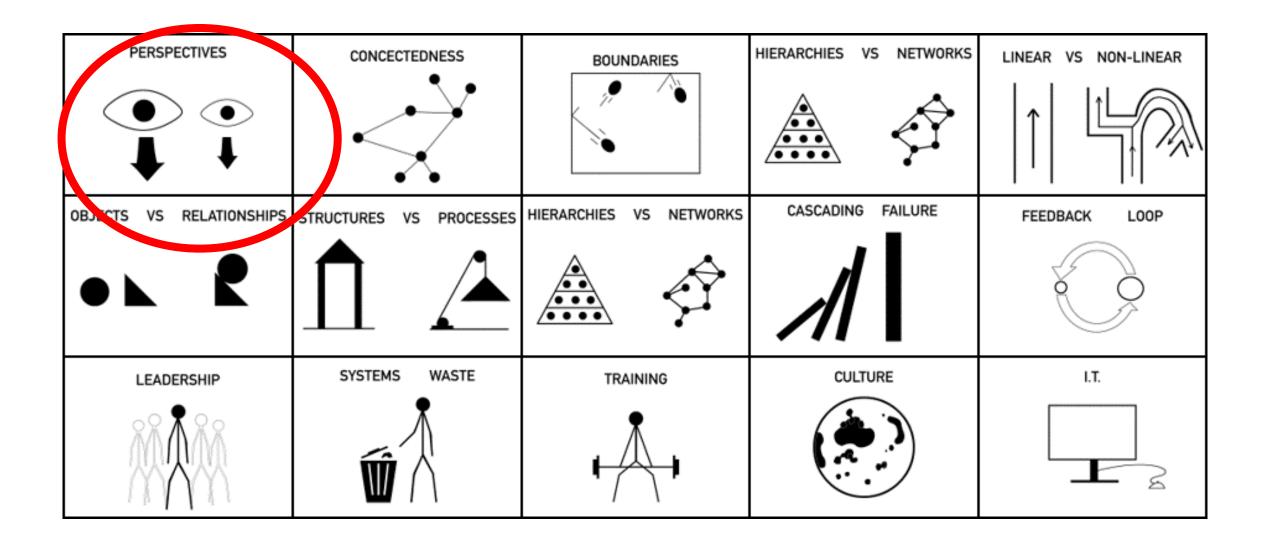
Q U E E N S L A N D





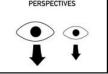








Capture and understand diverse perspectives. Include dissent and consensus. Attend the types of power and consequences associated with each perspective.

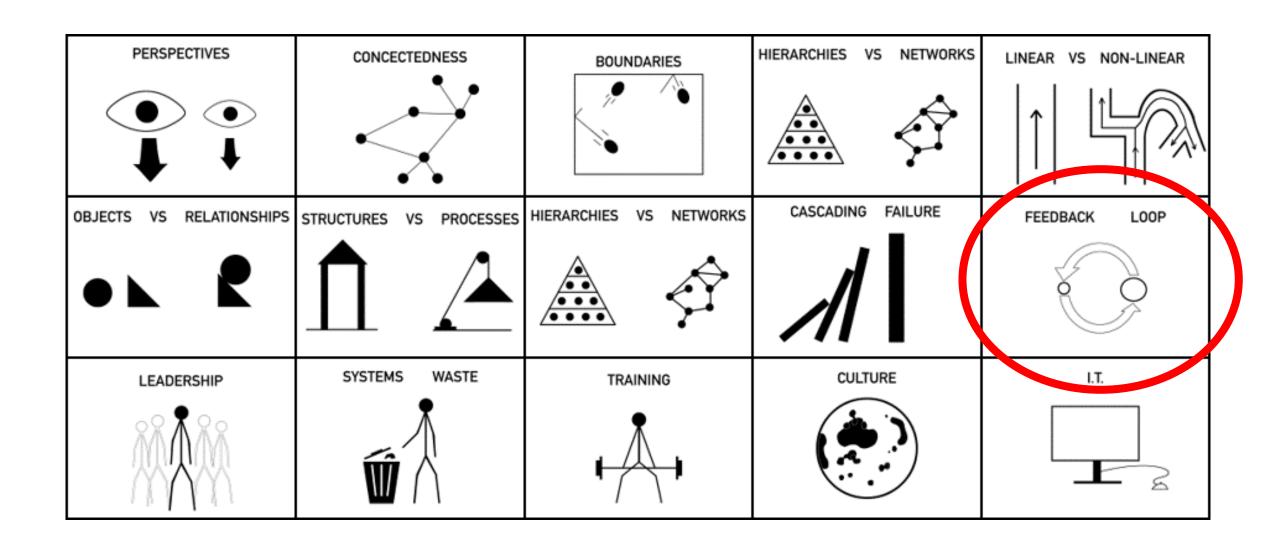


- Capture, critically deliberate on, work to understand, represent, and appropriately address diverse perspectives
- Seek dissent as well as consensus

Perspective...









Systems must continually monitor the environment and make corrective actions in order to survive and grow.



- System feedback mechanism
 - How well is it functioning?
 - Within systems
 - Between systems
- Closed?
- Frequency, timeliness, credibility, specificity, and relevance.

急診即時資訊

等待候診人數

等待推床人數

等待住院人數

等待加護病床 人數

2

0

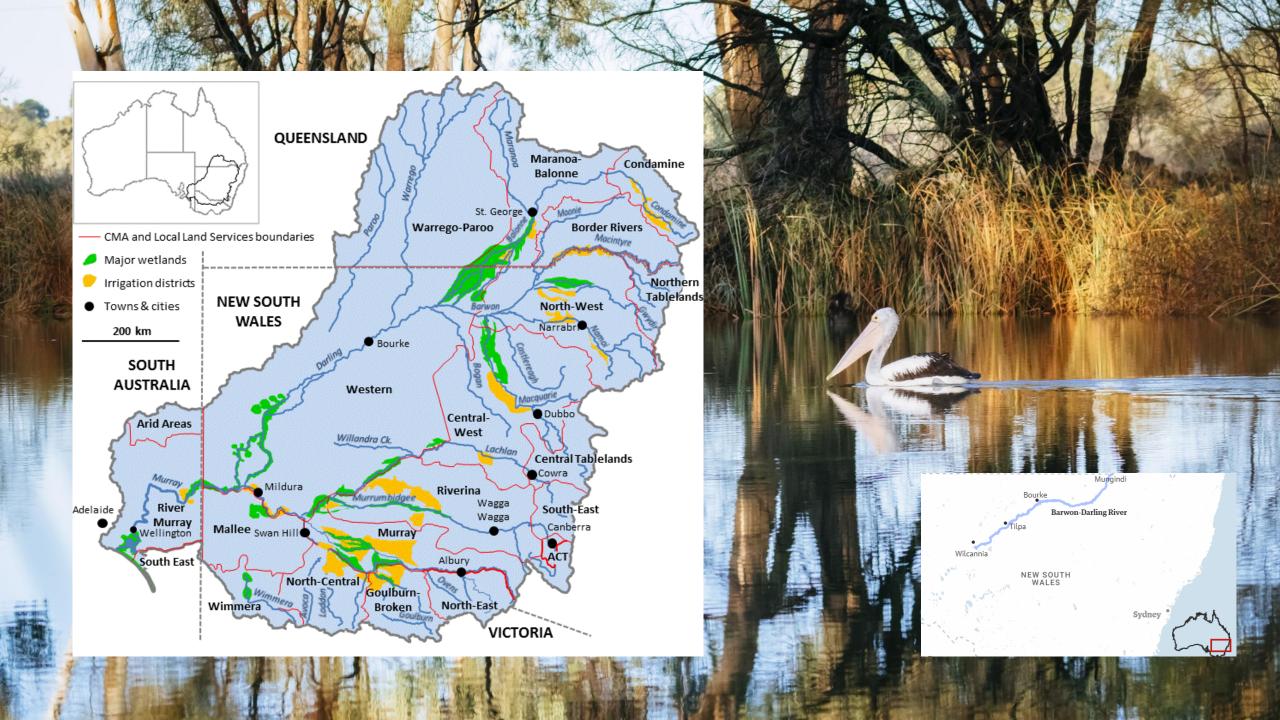
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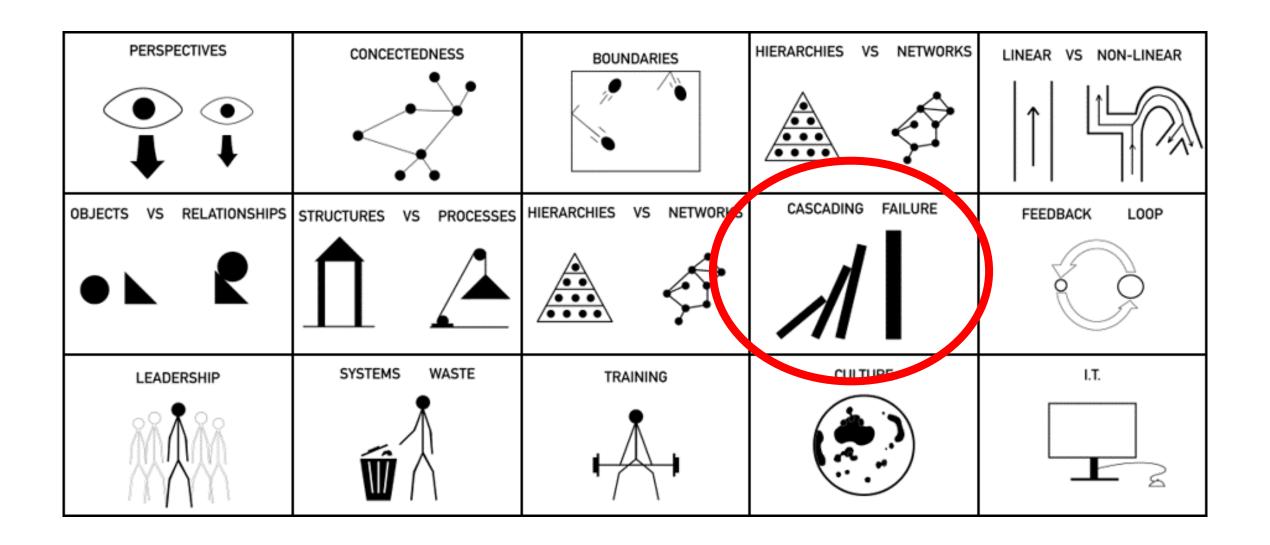
1

未向119通報滿床

預防流感·請落實洗手等個人衛生措施·避免接觸禽鳥類; 返國後如出現發燒、咳嗽等類流感症狀·應戴上口罩儘速就發

19/9/11 上午 10:48:03



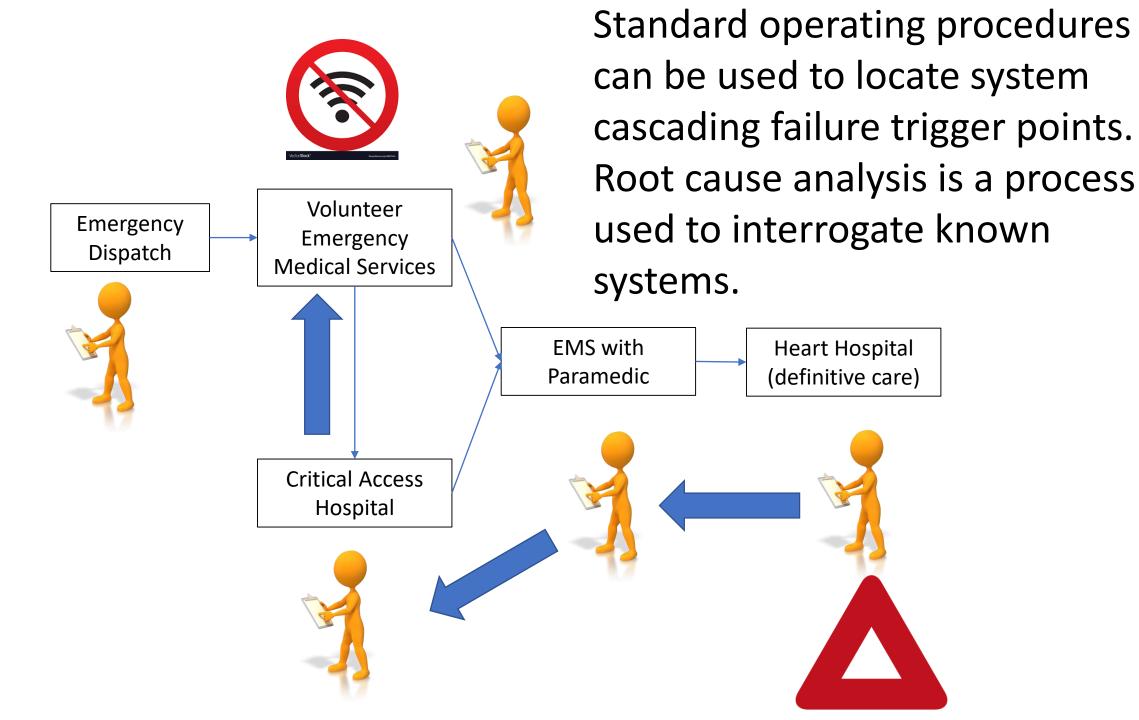




A cascading failure occurs when a problem is padded from one subsystem to a downstream system creating domino effect that undermines system efficiency and effectiveness.



- A problem is passed from one subsystem to a downstream subsystem creating a domino effect
- Undermines system efficiency and effectiveness
- Also known as unintended consequences (UIC)



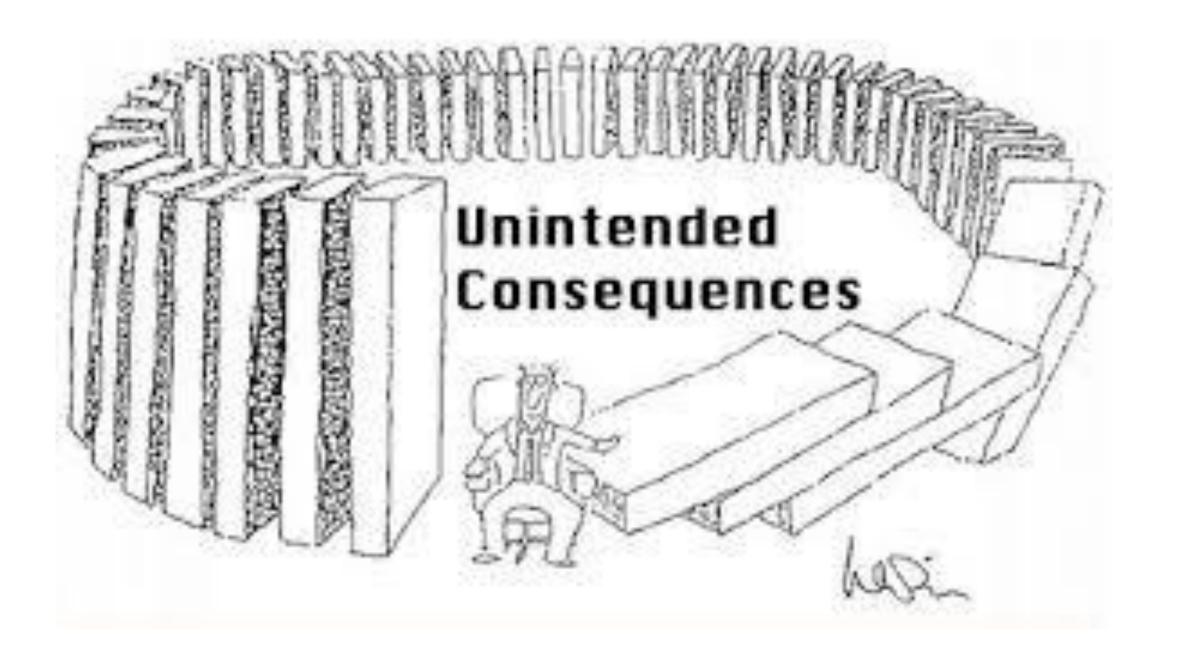


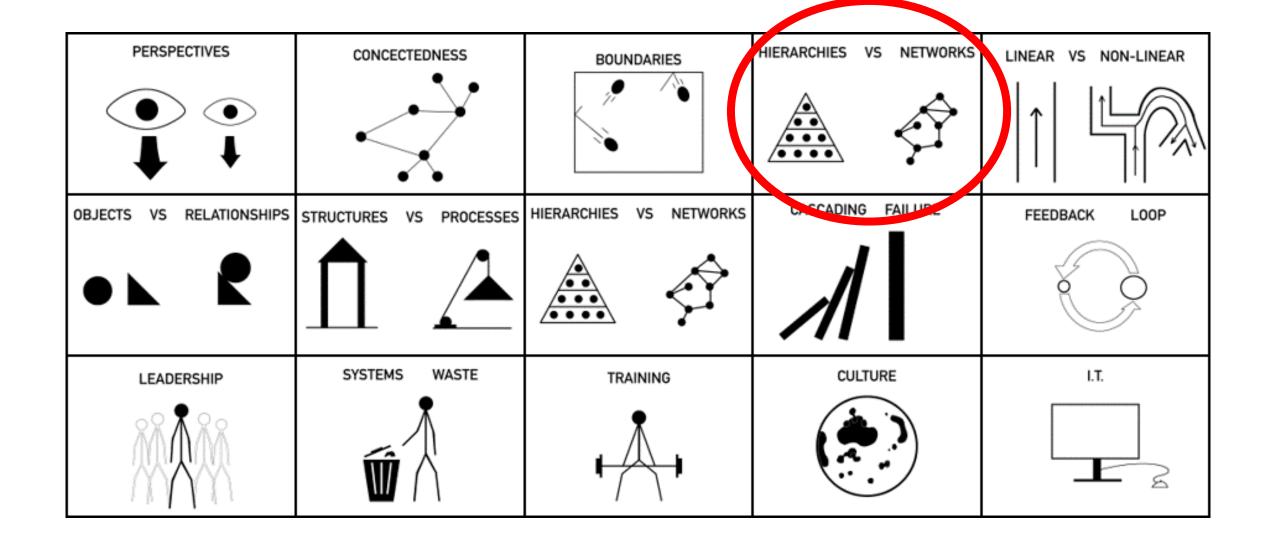




.... the combined impact of the changes was that diversions of water for irrigation grew by 32% or 51.4 GL

https://www.thequardian.com/australia-news/2018/feb/08/nsw-minister-altered-barwon-darling-water-sharing-plan-to-favour-irrigators







A reflex arc is a short cut to another part of the process resulting from a decision point in the system.



 The ability of a system, in certain circumstances, to cut out unnecessary steps

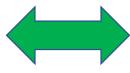














Applying Systems Thinking Concepts in Evaluating Programs & Systems

Workshop venue: Victoria University, College of Law and Justice, Phillips Common Room located on Level 2, <u>City Queen</u> <u>Campus</u>, 295 Queen Street, Melbourne.

Workshop Date & Time: Wednesday 11 March 2020 9:00 am to 4:30 pm

Workshop Price: \$450 + GST (AES members receive 15% discount)

Registration link:

https://hainescentreaustralia.com.au/registration/

Please note that the target audience for this workshop will be evaluation practitioners who are considering inclusion of systems evaluation within their practice.

