CW2 ScratchPad for AST

Notes, links and ideas for Applied Systems Thinking Coursework 2

Key points from assignment sheet

Generate **5 Strategic Recommendations to a Regional Water Supplier** to increase water resilience and achievement of net zero.

Identify the timescales of recommendations
"Regional" defined as region in respect of water management, or a region for which geology and other environemental features define water sources and availability.

Task 1:

Information that Michael/Melanie need to understand what I've written.
Relevence, comprehensiveness, quality of description.
Write an initial one to guide work, and then rewrite at the end to capture what the report says.
0/1000 words.

Task 2:

Assumptions about the problem situation as a list.
Bound the problem to prevent untenable scope.
Clarity, comprehensiveness.
Around 15/20 assumptions expected. No word limit.
0/15 assumptions.

Task 3

Task 3a   Explain criteria for most appropriate techniques and methods.
Ten or more.
Clarity, logical coherence with problem situation.
0/700 words.

Task 3b   Review candidate methods against criteria, and select appropriate methods.
Tabular Form.
Research additional methods.
Reuse methods from CW1 but don't rely only on them. Suitability of table structure, quality of assessment of methods.

Task 4

Application of methods and consolidation and analysis of results. Subsequent derivation of recommendations.
Quality and clarity of writing, competence in application, coherence and logic of conclusions.
Five stategic policy interventions to local government, justified.

- a. Report generated questions (from understanding the problem statement).
- b. Results of systems modelling.
- c. Make recommendations for water resilience and GHG emission reduction.

0/2000 words.

Task 5

Consider ethical matters in recommendations.

1. Honesty and integrity
2. Respect for life, law, the environment, and public good
3. Accuracy and rigour
4. Leadership and communicaiton

0/300 words.

Statement of Quality

Report on use of AI. Honest.

Task 1 Research: Background information

Sources will be captured in mendeley before being added to a bibtex file

Regions to consider:

- Thames Water service area
- SSEW service area
- Itchen and Test drainage basins (southern water)
- Wessex Water service area