

Step 3 - Better Questions for Brighter Futures

How might we demonstrate that a powerful new Constructive Modelling Paradigm and Framework for multi-disciplinary discovery can help people solve problems more effectively?

Solving problems before they become problems

Eligibility: Open to everyone. Submissions should use at least one government data source.

12:03 30th August - 2025

Logging back into the hackerspace... grabbing the full outline of the challenge...

Um, ok, well this all looks very prescriptive and not at all open to broader uncertainties or the kind of coherent indifference that I'm operating under. But, that in itself is enough of an environment shock for me to become interested.

This challenge now looks like 'just the thing' that the GSC Model lens might be able to unpack and reframe in a different light.

I'm familiar with pre-mortem, of course, and I'm familiar with a lot of the intent packed into the language used here. The notion that all this information and tools to support critical thinking might 'empower' us all sound familiar and speaks to the struggle of competition and the need to find the right 'solution' to the current 'problem'. This is just the sort of theory of evolutionary knowledge stuff that I wrote about in an article just yesterday, giving a different end of the stick to Karl Popper and suggesting that problems are only the catalyst for evolution, and that we typically do not select for 'solutions' but we select for the most informationally rich way by which we can return to coherent indifference.

We do, in evolutionary terms, seek out the means of 'vision' not only to mindlessly avoid the things that would kill us, but to also ignore almost everything else we might see until the very moment when we may actually have needs to fulfil our lowest energy 'wants' for such things.

As a sideline, the two articles on this topic I've posted are at:

<https://medium.com/@steven.decosta/life-doesnt-solve-problems-4e8abed838ef>

<https://medium.com/@steven.decosta/the-purpose-of-vision-is-to-become-blind-93ec5ba2dd85>

But in any case, now I need to look at this challenge in more detail and for this, I'll again go 'low energy' and simply load this block of wordage below into my prior chat in Gemini and let it respond. I have my ideas already, but I don't mind seeing what Gemini would throw up... so, the prompt would be:

##begins

Gemini - please review the full outline of the selected challenge as you will find it has quite a few conditions and criteria, and is somewhat adjacent to what may have considered from reading the challenge title alone. As you will read from my entry above, I'm intrigued and I have context to meet

this challenge with, even if I need to redefine the terms a little. Perhaps this narrative and this co-construction is my own 'premortem', or perhaps this narrative is my own free ticket to those that might like to watch this train wreck of a submission unfold in all it's transparent and verifiable honesty. Perhaps, I might submit something for this challenge and then submit this narrative as my 'postmortem'. Perhaps this indeterminacy itself is the GSC model alignment that expands the total possibilities for any analysis framework and considers neither pre or post as any more relevant to the possibility of arriving at a mortified state. What might matter 'most' is simply the causal history that maximises informational richness. That is, the superorganism of the organisation that documents such causally-effective paths it is likely to follow in the value operations it is engaged with. Using the formalism of constructor theory, the matter is to understand what tasks are possible or impossible within the substrate as performed via constructors. The framework that maintains constructors for desirable paths and makes these construct over variations in substrate attributes is one that might be considered as being more resilient to the 'risks' discussed in this challenge outline.

So... let's go Gemini - take me further on this path of being coherently indifferent to the GovHack competition, it's challenges, and help me deliver something for this specific challenge that will self-referentially allow me to progress my own low-key wants and needs. This line from the research looks like a good guide for my motivation here, when speaking of the GSC Model:

Its strength lies in its deep connections to multiple active and well-regarded research programs. Its vulnerability, however, lies in the coherence of the synthesis itself. The critical question is whether this unification is an elegant and necessary consequence of a deeper principle, or merely an ad-hoc combination of disparate concepts. The validity of the GSC Model rests on demonstrating the former.

Let's use this challenge to 'demonstrate the former'... oh, and you should take a look at the two medium articles I published as this is the sort of narrative style i'm using to explain the GSC Model as well as I can currently. I've attached PDF versions of the two articles for reference.

At least some of the information for the challenge is below... perhaps it is in a confused state as I don't quite understand it yet. Maybe you should try and summarise this challenge based on all the information below, then move onto the suggestions of how to address it. You might want to propose a deep research question as the 'core components' mentioned will likely have something published online in prepub or elsewhere.

It kinda looks like the challenge is, so far, to 'learn about this knowledge modelling stuff', which relates to SDGs and such, then to somehow consider the Mosaic Web Initiative as a candidate project that is related to this knowledge and/or smart matter stuff, to suggestively give some risk oriented pre-mortem advice. And, to then do it again for some other GovHack project (presumably a prior project, or a challenge for this year, but it isn't too clear to me).

Anyway - over to you Gemini :)

##ends

Better Questions for Brighter Futures

Jurisdiction: Australia

Solving problems before they become problems

How might we demonstrate that a powerful new Constructive Modelling Paradigm and Framework for multi-disciplinary discovery can help people solve problems more effectively?

The AXiLe® Constructive Modelling Paradigm is a knowledge integration system that makes it faster and easier for people to find and use information to make evidence-driven decisions across many domains. Three core components of this Paradigm are:

1. A consistent way of mapping between different knowledge domains – the SmartMatter Framework®.
2. An Open Knowledge Reference Model (OKRM) that anchors a library of Open Reference Patterns (ORP) and can be used to benchmark the performance of any conceptual model in the global knowledgebase.
3. The AXiLe® Natural Pattern Language – a controlled vocabulary of brevity codes that can be used to align any domain-specific ontology.

These foundational components can help build the risk-aware critical thinking and problem-solving skills needed to achieve global sustainability. The capability system for delivering ongoing sustainability is envisaged as a person-centric Worldwide Mosaic Web where everyone is empowered by easier access to better-organised information.

In this unprecedented moonshot project, risk management is key. But every risk management strategy must begin with a risk identification step that is limited by pre-existing knowledge and discoveries. This step can act as a constraining factor – hampering the end-to-end and cross-domain systems thinking needed to ask better-informed questions. All too often the end-result is some kind of tangible harm, such as the failure of many government-sponsored projects and innovation initiatives.

One way to surface risks on complex projects is to integrate regular “premortem” events into the project risk management strategy. At these meetings, the project is assumed to have already failed, and the attendees must ask “Why did this happen?”. The strength of the approach lies in the power of human imagination focused by the retrospective context of the question.

As part of this challenge, you are requested to perform a minimum of two premortems – the first on the Design for the Mosaic Web Initiative, and the second on a GovHack-appropriate project of your own choice.

You should deliver a separate premortem report package for each project, and a summary report package that captures shared themes, differentiating factors, and ideas for broader-based improvements (these may include ideas based on actual problems that your team encountered during your GovHack 2025 project).

The goals of this Challenge are:

1. To encourage people to consider ongoing proactive risk management
2. To obtain feedback about the Modelling Paradigm that will help set the direction of future research

and development work

3. To solidify one or more real-world use cases that can serve as demonstrations of concept.

Please follow the link to the document repository to learn more about the Modelling Paradigm and the Mosaic Web Design. There are documents to study, tips for planning your work, some quickstart ideas just in case you need inspiration, and templated guidance for the requested deliverables.

Please see the Challenge video for an example of premortem storytelling.

Eligibility: Open to everyone. Submissions should use at least one government data source.

Entry: Challenge entry is available to all teams in Australia.

Info below here is from a WIKI page linked below the challenge outline.

Better Questions for Brighter Futures

Welcome to my GovHack 2025 Challenge!

Challenge Information

Please find the material for this Challenge in Files/Folder

None

BQ4BF Better Questions for Brighter Futures GovHack 2025

Below that level are two subfolders

None

BQ4BF 000 - The Basics

BQ4BF 100 - The Extras

The Basics

Start here!

CP07 is a preliminary prototype of a one-page Tutorial and QuickStart Guide to Risk Management for your GovHack 2025 Project.

Please study CP07 itself to learn more.

The Extras

In this subfolder are two further subfolders and CP08.

About CP08

CP08 is a preliminary prototype and storyboard for a Tutorial and QuickStart Guide to model-based scenario analysis and constructive solution design.

CP08 tells the story of CP07.

It names and characterises the six Concept Prototypes (CP01-CP06) that preceded CP07, and highlights the relationships between them.

Concept Prototypes

This subfolder contains Concept Prototypes CP01 to CP06.

Selected Documents

(Caution - Risk to Project Scope)

This subfolder contains copies of five documents referenced in the Concept Prototypes.

Calling all GovHackers!

You can find the Selected Documents and many more on Researchgate.

But you probably won't have time to study them in detail during GovHack 2025.

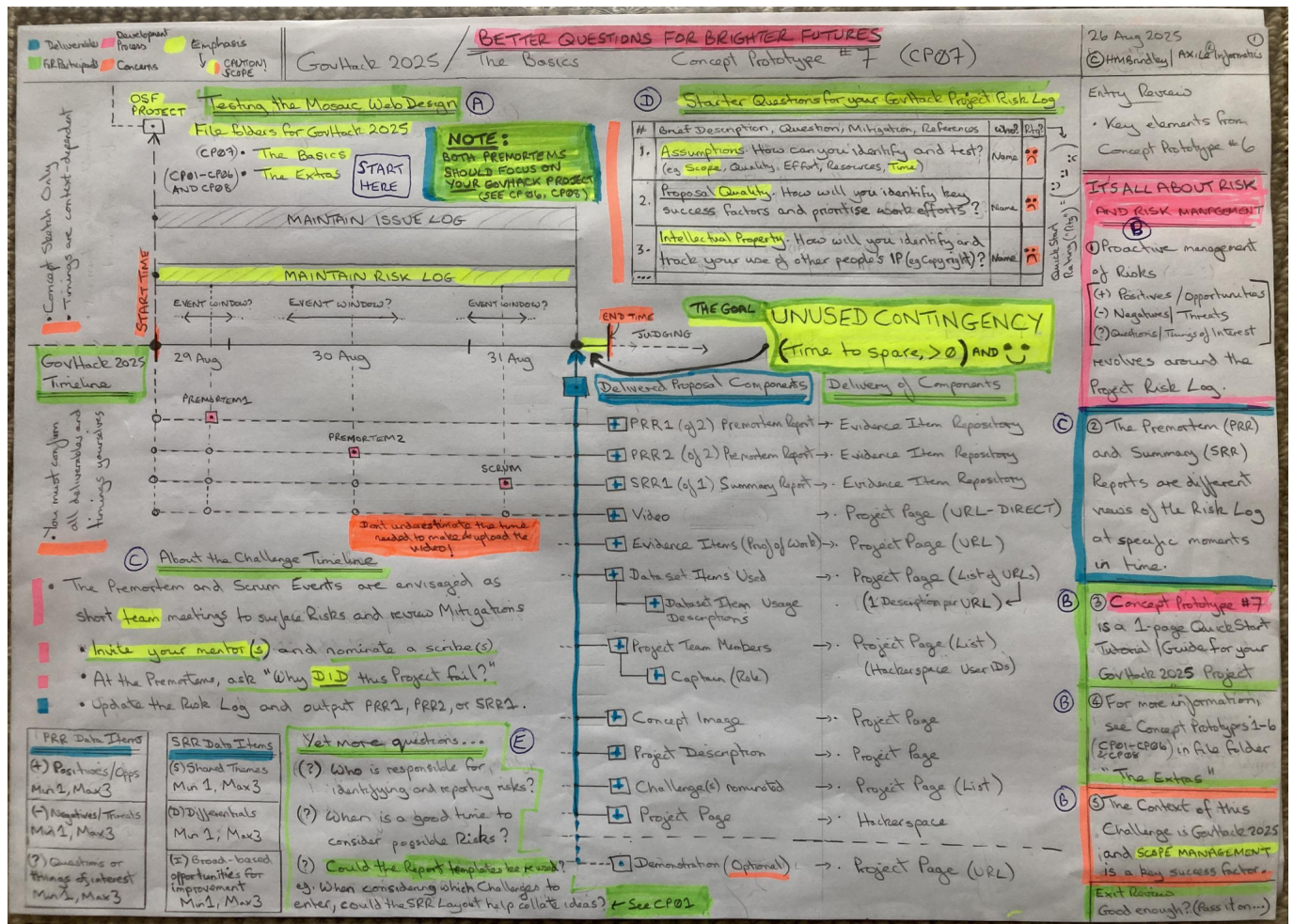
That's the reason for building the Concept Prototypes.

How well do they work?

Please help test the Mosaic Web Design concept by responding to my GovHack 2025 Challenge.

Happy GovHacking!

The following image is what is referenced as CP07, or 'the basics':



There is a video provided for this challenge: <https://www.youtube.com/watch?v=NpgYb-U1ZDk&t=26s>

It doesn't quite help bring much together, as it all remains confusing for me... which I guess i making things interesting :)

The larger download of files is largely a collection of more hand written layouts, which remains inscrutable to the low energy manner I'm attempting to run with things - this coherent indifference is not really possible to maintain without using AI and LLM to do the summary work.

I remain fixed on my own agenda, of course, to find an easy way to use the GSC Model as a lens over this challenge and submit something...

I hunted around to find the likely author of the scribed layouts, following a search for who had the trademarks over the SmarterMatter Framework:

Who Is Heather Brindley?

Professional and Academic Background

- **Director** of the *SmartMatter Framework*, based in Canberra, Australia [Cambridge University Press & Assessment+10Loop+10ResearchGate+10](#).
- Holds a **Ph.D. in Plant Biophysics** from Cambridge University and an M.A. (Hons) in Natural Sciences—reflecting a strong foundation in science and analytical thinking [ICCPM](#).
- Participates in academic initiatives exploring **knowledge organization and decision-making frameworks**, such as the "Design for the Mosaic Web Open Knowledge Initiative"—a project aimed at facilitating ethical, cost-effective delivery of United Nations Sustainable Development Goals through structured knowledge systems and pattern modeling [Cambridge University Press & Assessment+1](#).

Business Affiliation & Intellectual Property

- Founder and proprietor of **The SmartMatter Framework**, a formalized framework for decision-making and problem-solving education and consultancy. It is officially registered as a trademark in the U.S., filed in January 2020 and registered in May 2021 [ResearchGate+4Justia Trademarks+4Trademark Registration+4](#).
- Offers services under this framework including:
 - Advisory and consultancy
 - Business educational courses
 - Instructional seminars and conferences
 - Mentoring
 - Online education and training in decision-making, problem-solving, and related technology domains [en.wikipedia.org+5Justia Trademarks+5Trademark Registration+5](#).

Scholarly Contributions

- Authored or contributed to works such as *"Reframing Tomorrow"*, presenting frameworks like the Mosaic Web Open Knowledge Initiative for integrating ethical decision-making and knowledge modeling into sustainability efforts [Cambridge University Press & Assessment+1](#).
- Recognized for advancing the **SmartMatter Framework** as a science- and information-centric toolkit for structuring knowledge organization and decision-support systems

