**Title slide**

Introduce self, acknowledge Patrick and Umit

Working with the HRG @ UMass. Our team focuses on climate change risk management for water resources infrastructure. Our group works with stakeholders and decision makers on water projects throughout the world to analyze how different system designs will perform in various climate futures.

**DM slide**

Where is my risk?

What can I do to reduce my risk? What *decisions* can I make to make my project more robust?

**Static surface plot slide**

Explain the surface plot (for a proposed multipurpose dam in East Africa). What are we looking at? What does it tell us?

There are drawbacks to this kind of display. With this type of plot, we can examine the results of one performance metric across different climate futures, but we assume a whole set of non-climatic features – things like dam size, or the water demand from the nearest city. What are these assumptions, and how do these assumptions affect our results?

**Interactive surface plot slide**

We talk about how interactive displays allow you to see how the assumptions that you're making in a figure affect it, and get a broader sense of all the variables at play.

Interactivity gives us a sense of the effect different variables have on our results. But we can go deeper. It is often only when we examine the interplay between many variables at the same time that we can answer the fundamental questions *where is my risk*.

**||-coords slide**

There’s value at looking at many variables at once.

Use the ||-coords. Explore. Show what you can do here.

**Visual analytics slide**

How do we know what to explore? In what manner? If we start considering every variable… There’s a lot of variables.

Visual analytics mantra: this provides us a framework to understand: how do we go about creating visualizations and sets of visualizations to help decision makers answer their most critical questions?

**Phase 4 slide**

Explain what we’re doing here. How it incorporates the visual analytics mantra.

**Conclusion slide**

Conclusion

Questions?