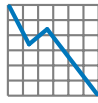


# A Flow Visualization Practionary



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## Overview

Building off of the ideas in my papers Triple System Analysis (3sA) and Adaptive Analysis (A), I show how to build and operate a system that visualizes combined data and material flow. I prioritize human cognition over machine. I reveal, underneath thirty five years of web development and knowledge graph visualization, an amazing set of standards and tools that anybody can use for this task, and I document their use for a general audience.

## Introduction

A Flow Visualization Practionary (FVP) improves and simplifies the semiotics of 3sA and A. That sounds fancy, but it just means that there is something besides dense dialog to follow as we build maps of complex systems. Charles Peirce started these ideas, and the title of this paper is an homage to Michael K. Bergman, a follower of his. The reader of this paper needs to be curious and follow the ideas. Review 3sA and A before attempting to understand this paper. There is no product. There is nothing you can purchase or use. This paper will help you build your own models.

Fig. 1 Shows the complete set of symbols. It is a top level hybrid material and data flow Lorem ipsum uppa doopa dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Cras 3sA pulvinar mattis nunc sed blandit. Nunc vel risus commodo viverra maecenas. Eget magna fermentum iaculis eu. Vehicula ipsum a arcu cursus vitae congue mauris rhoncus. Nunc eget lorem dolor sed viverra ipsum. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Cras pulvinar mattis nunc sed blandit. Nunc vel risus commodo viverra maecenas. Eget magna fermentum iaculis eu. Vehicula ipsum a arcu cursus vitae congue mauris rhoncus. Nunc eget lorem dolor sed viverra ipsum. ipsum dolor sit amet, consectetur adipiscing elit, se aliqua. Cras pulvinar mattis nunc sed blandit. Nunc vel risus commodo vi

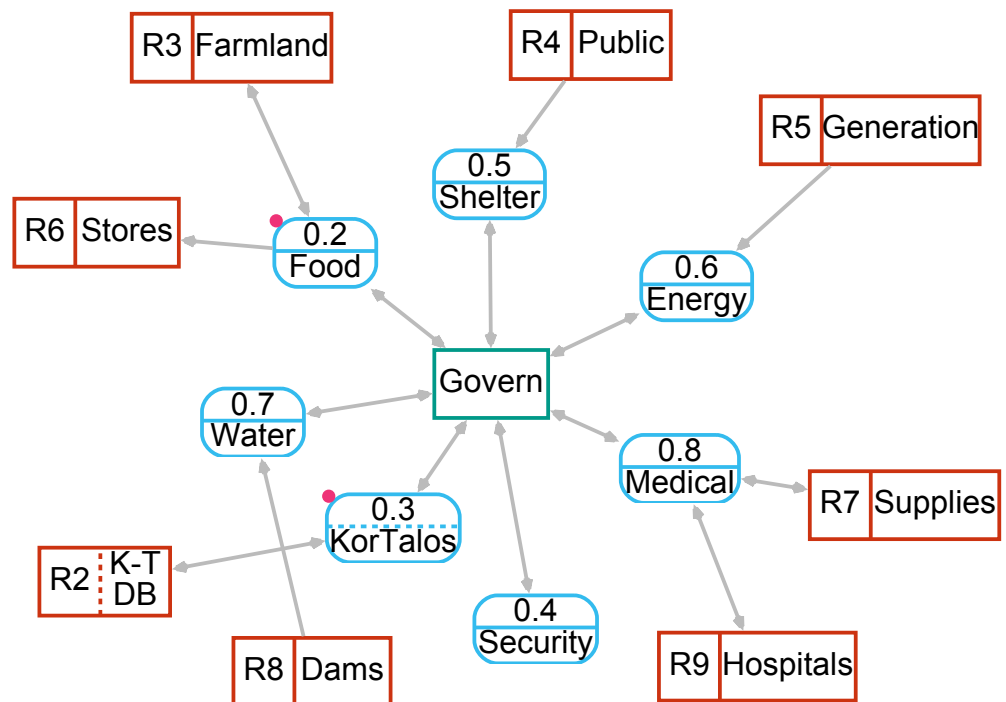


Figure 1: Top

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## **Bibliography**

“Pandoc - Index.” n.d. Accessed January 3, 2025. <https://pandoc.org/index.html>.