



Visualization Tools and Issues

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UNIVERSITY OF
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Global Institute for
Water Security
www.usask.ca/water



gwf.usask.ca/impc

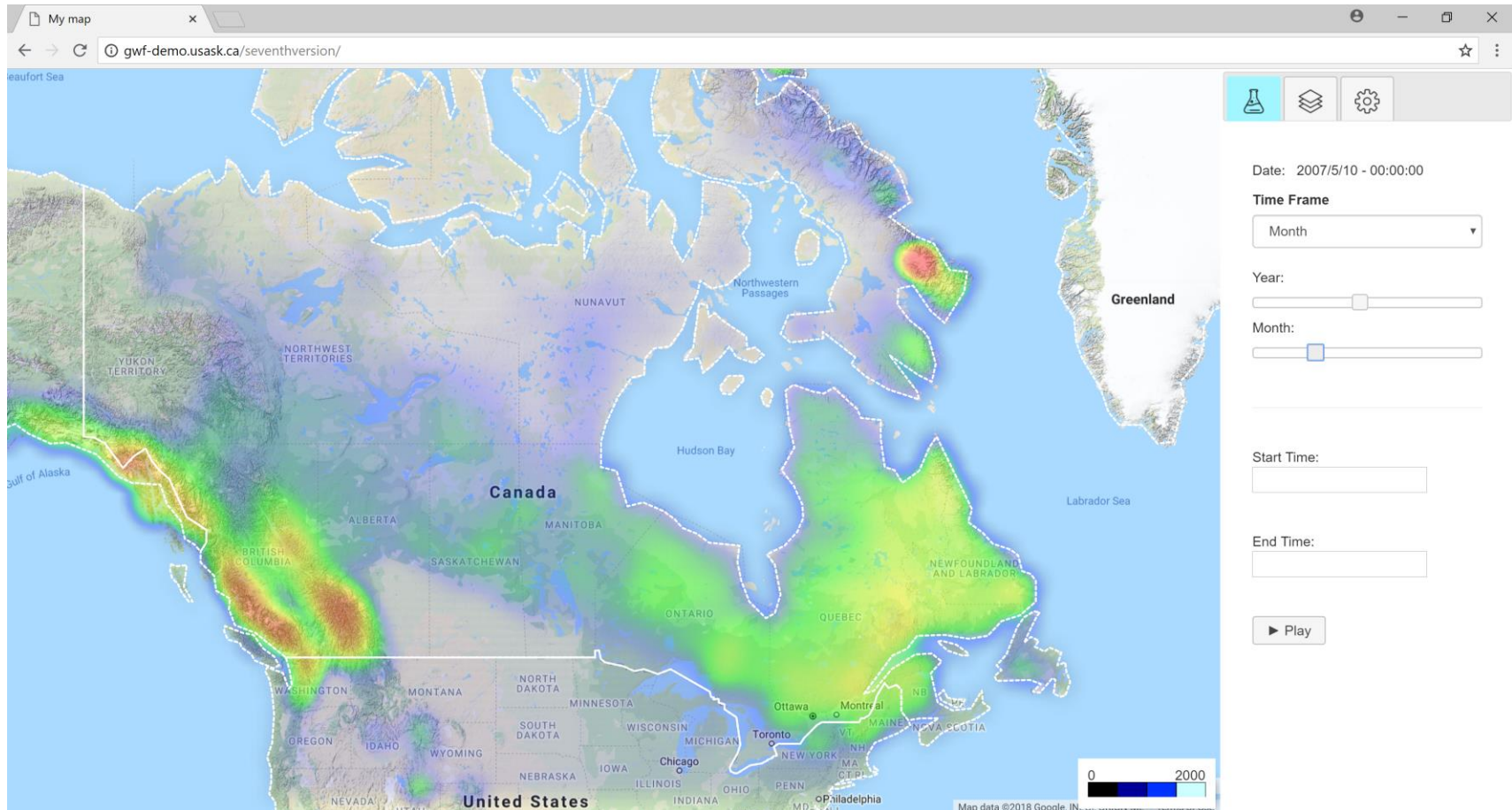


Outline

- The present: IMPC geovisualization system
- The future 1: self-serve geovisualization for IMPC
- The future 2: collaboration over geovisualizations
- The future 3: simplified modeling interfaces
- The future 4: decision support tools

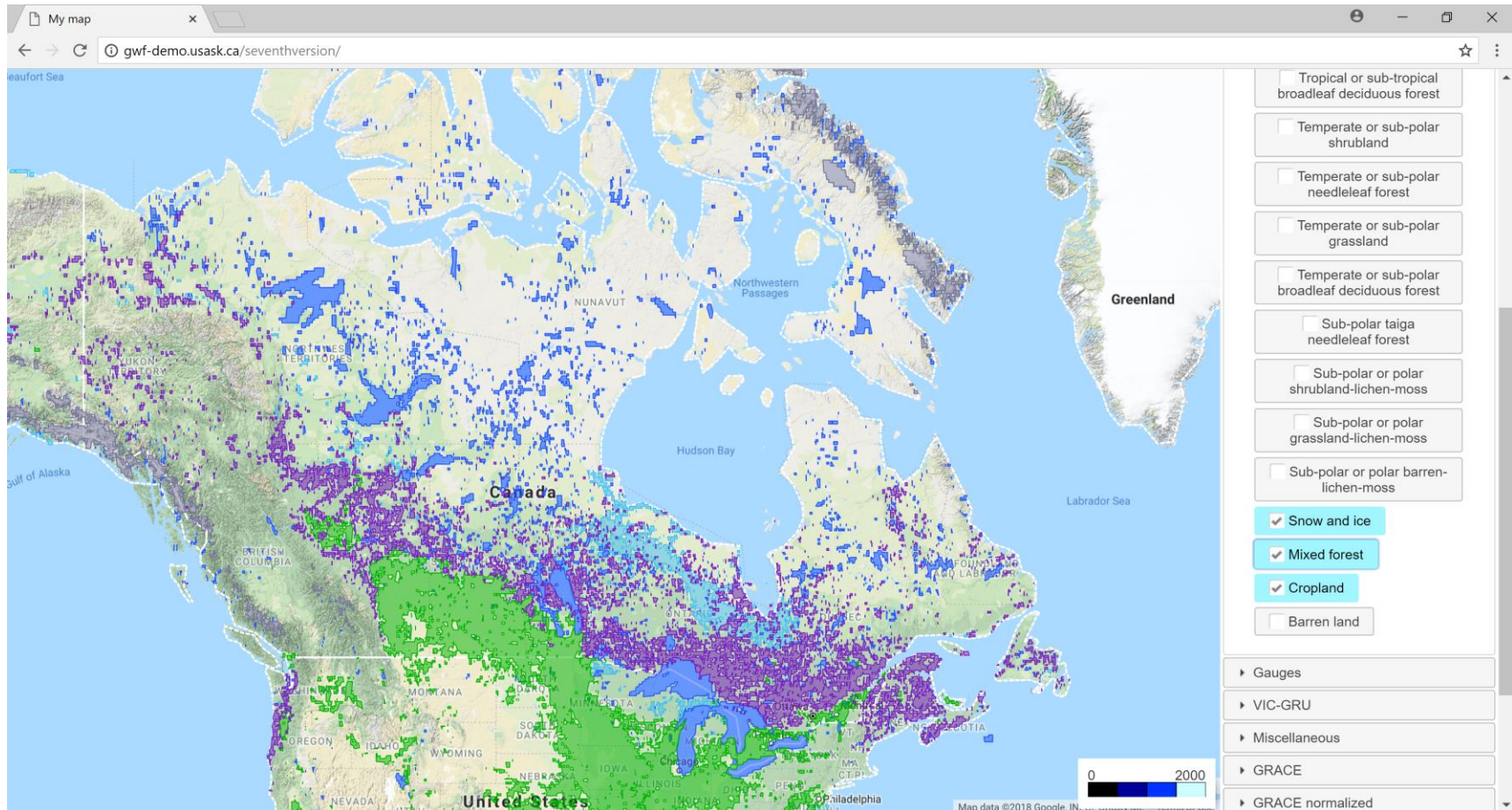


The Present: IMPC Geovisualization



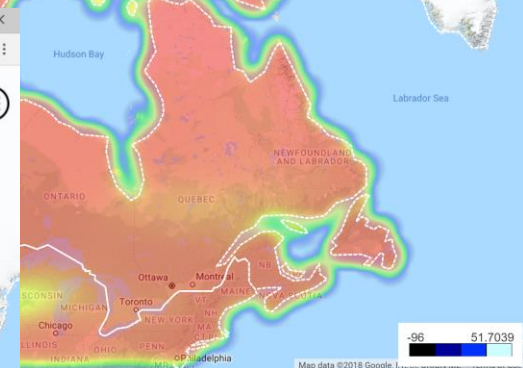
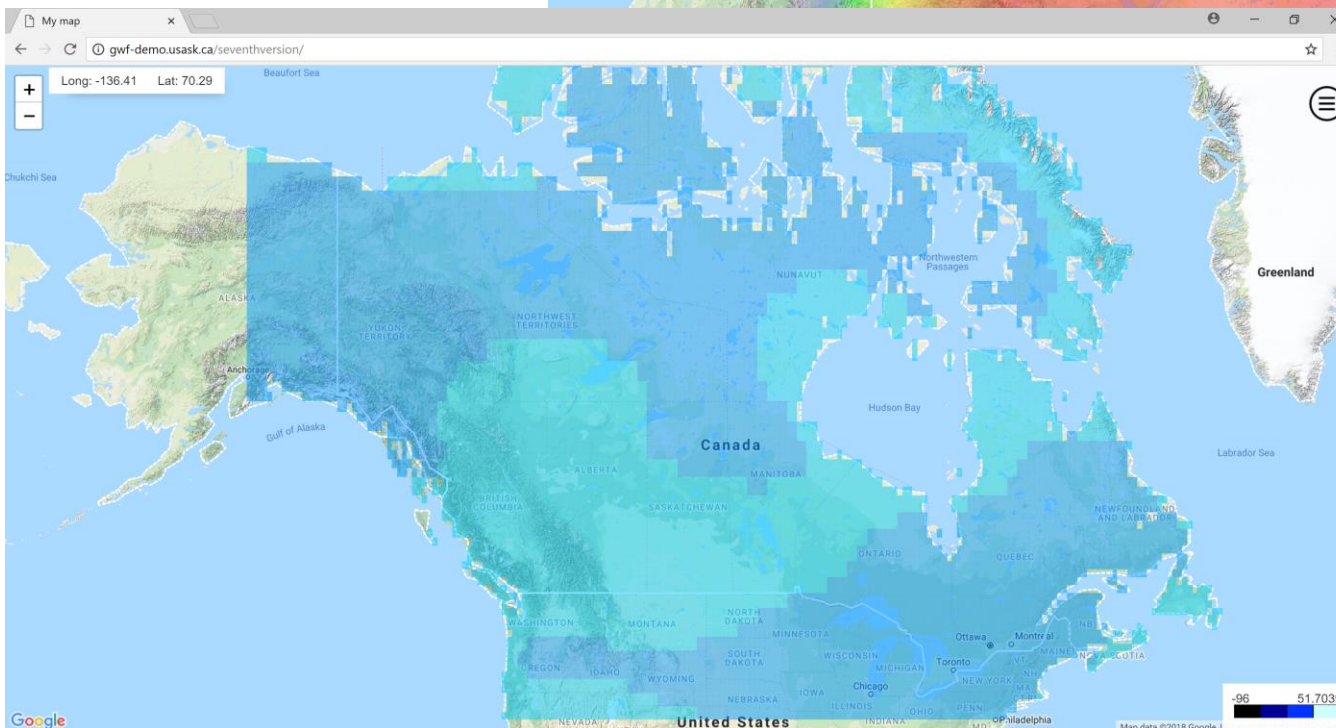
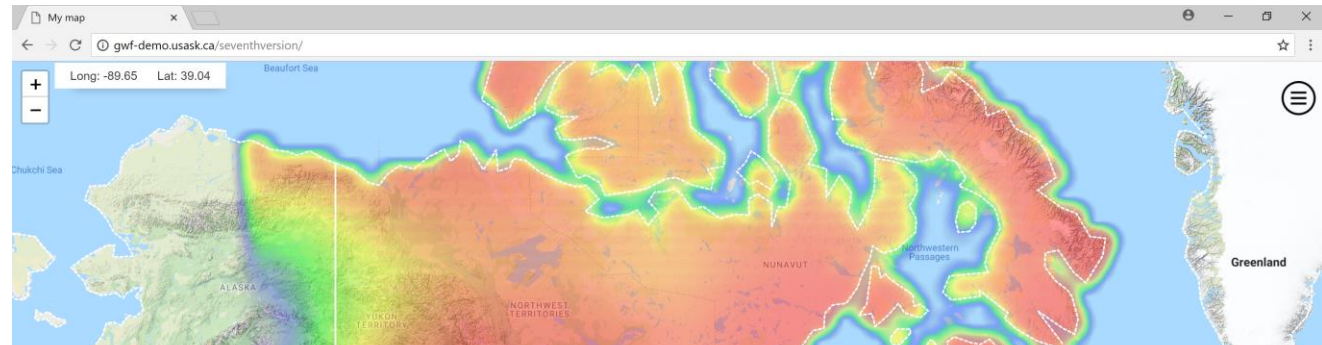


Maps and Layers





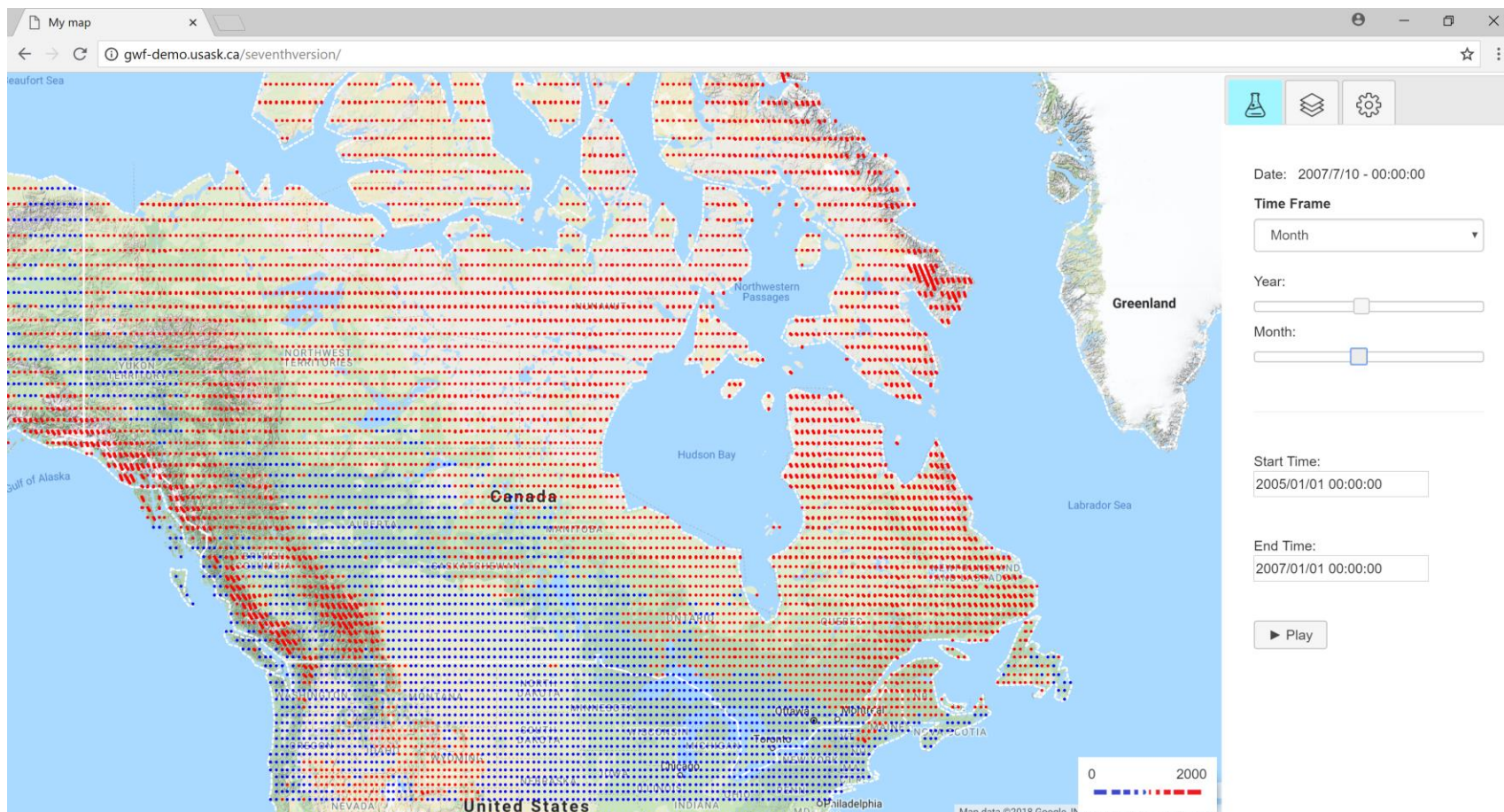
Datasets and visualization styles







Animations of data over time

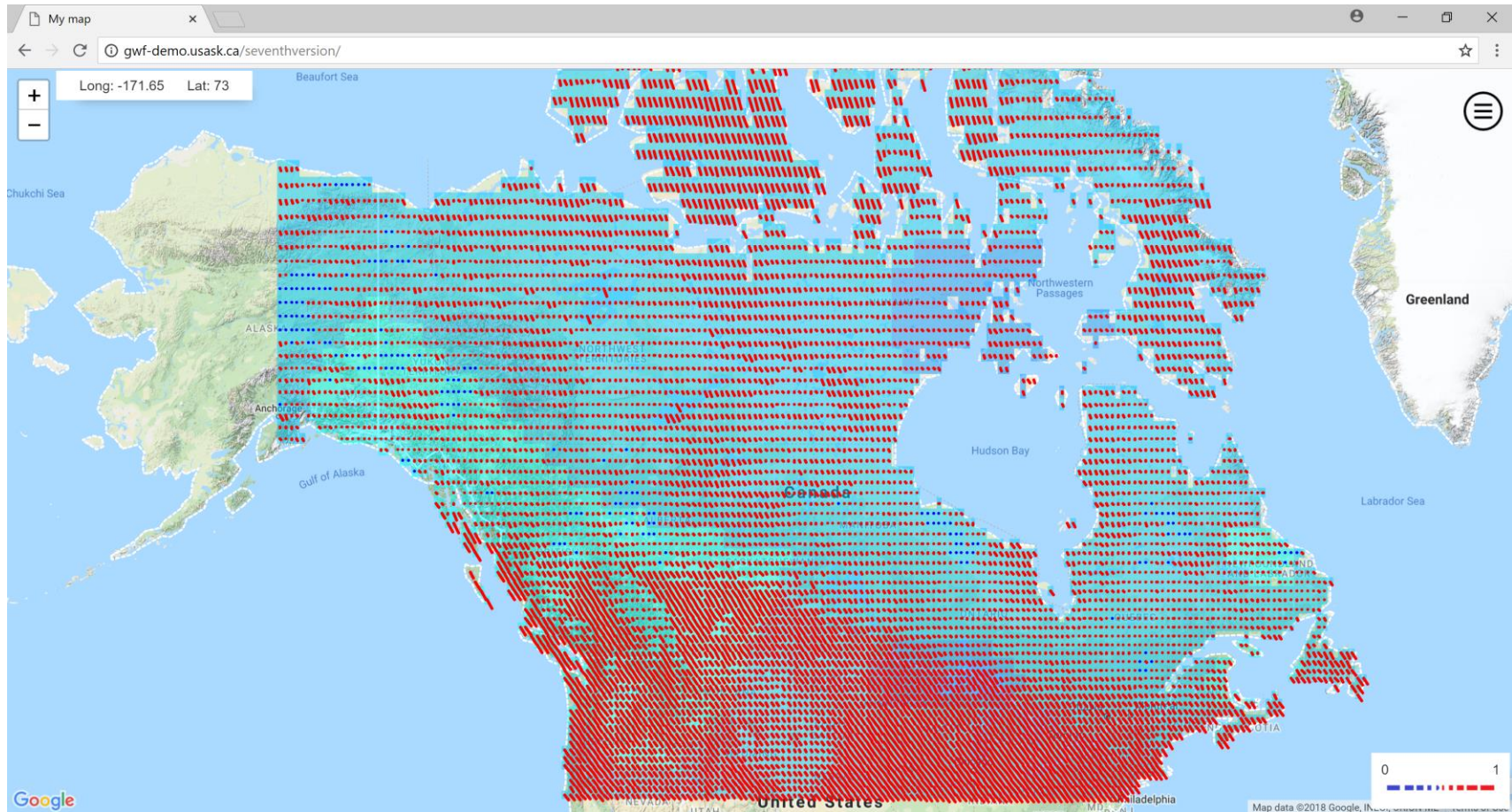




The screenshot shows a web browser window with the address bar displaying 'gwf-demo.usask.ca/seventhversion/'. The map shows North America with a color-coded overlay. The color scale at the bottom right ranges from -96 (dark blue) to 51,7039 (dark red). The map includes labels for various regions: Alaska, Yukon Territory, Northwest Territories, Nunavut, British Columbia, Alberta, Saskatchewan, Manitoba, Ontario, Quebec, New Brunswick, Nova Scotia, Prince Edward Island, and Newfoundland and Labrador. Major cities like Anchorage, Vancouver, Toronto, and Montreal are marked. The map also shows the Gulf of Alaska, Beaufort Sea, and Hudson Bay. The browser interface includes a search bar, navigation controls, and a zoom level indicator.



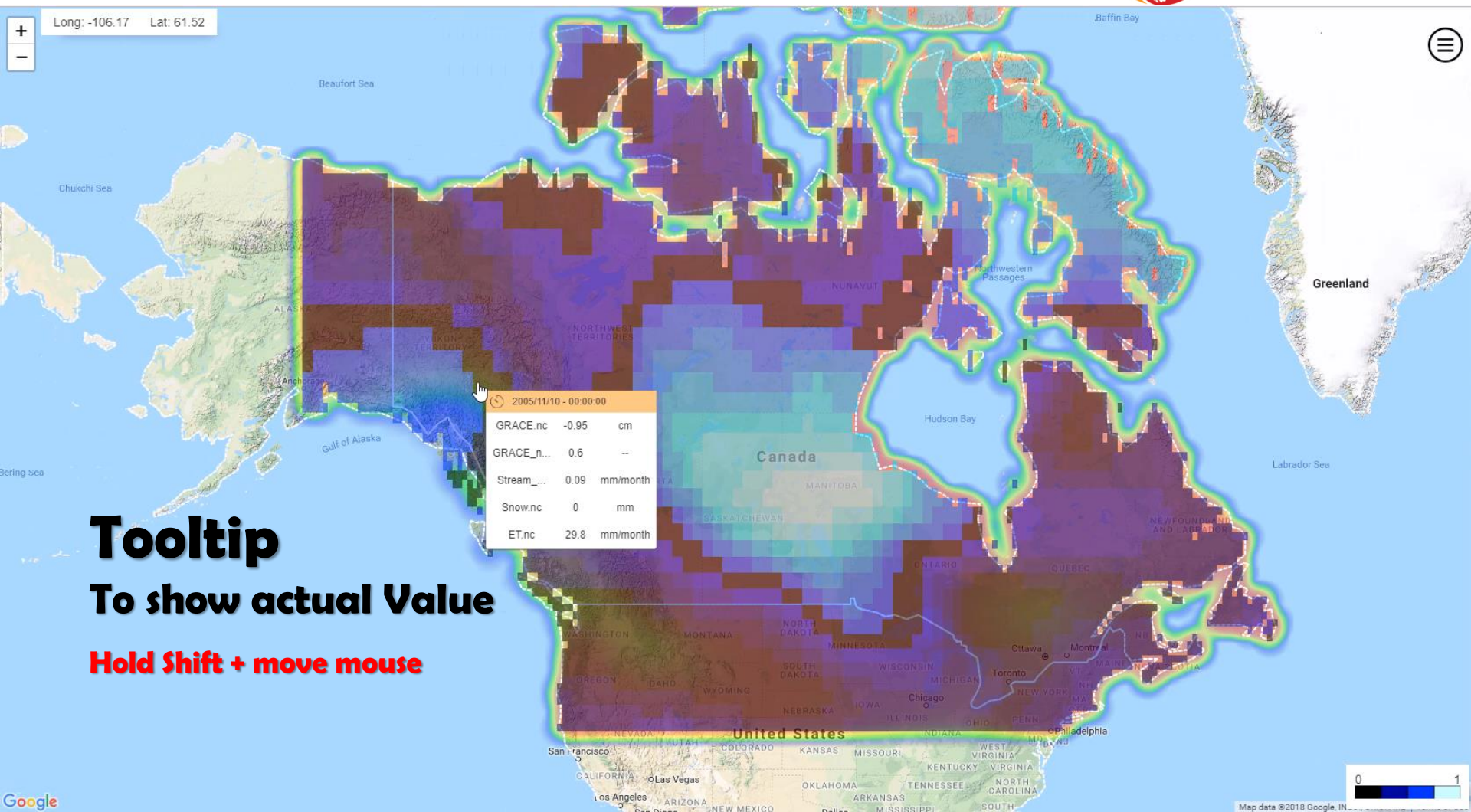
Multiple datasets





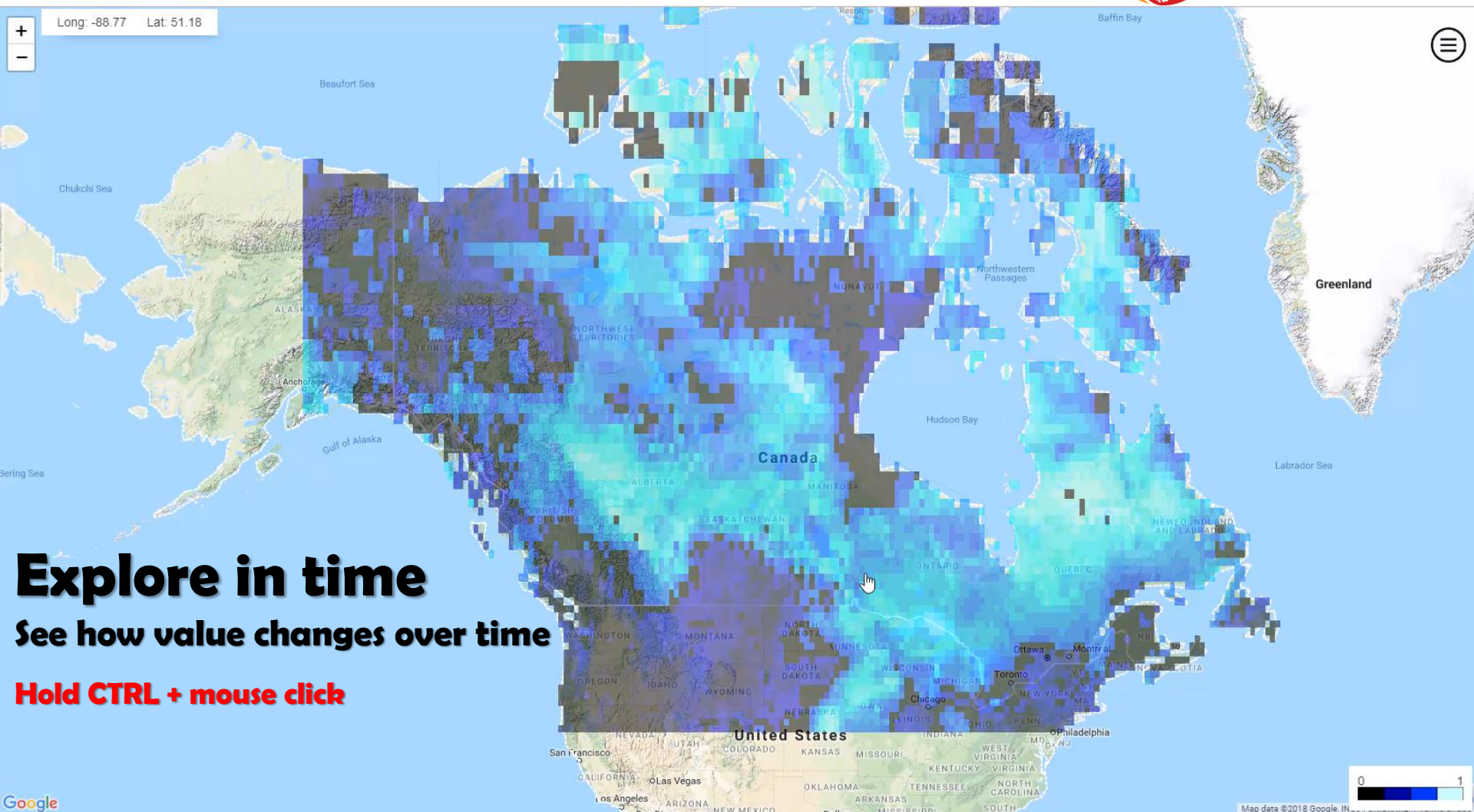
Drilling down into the data

- Inspecting the actual data
- Virtual sensors: comparisons
- Virtual gauges: ranges



Tooltip
To show actual Value

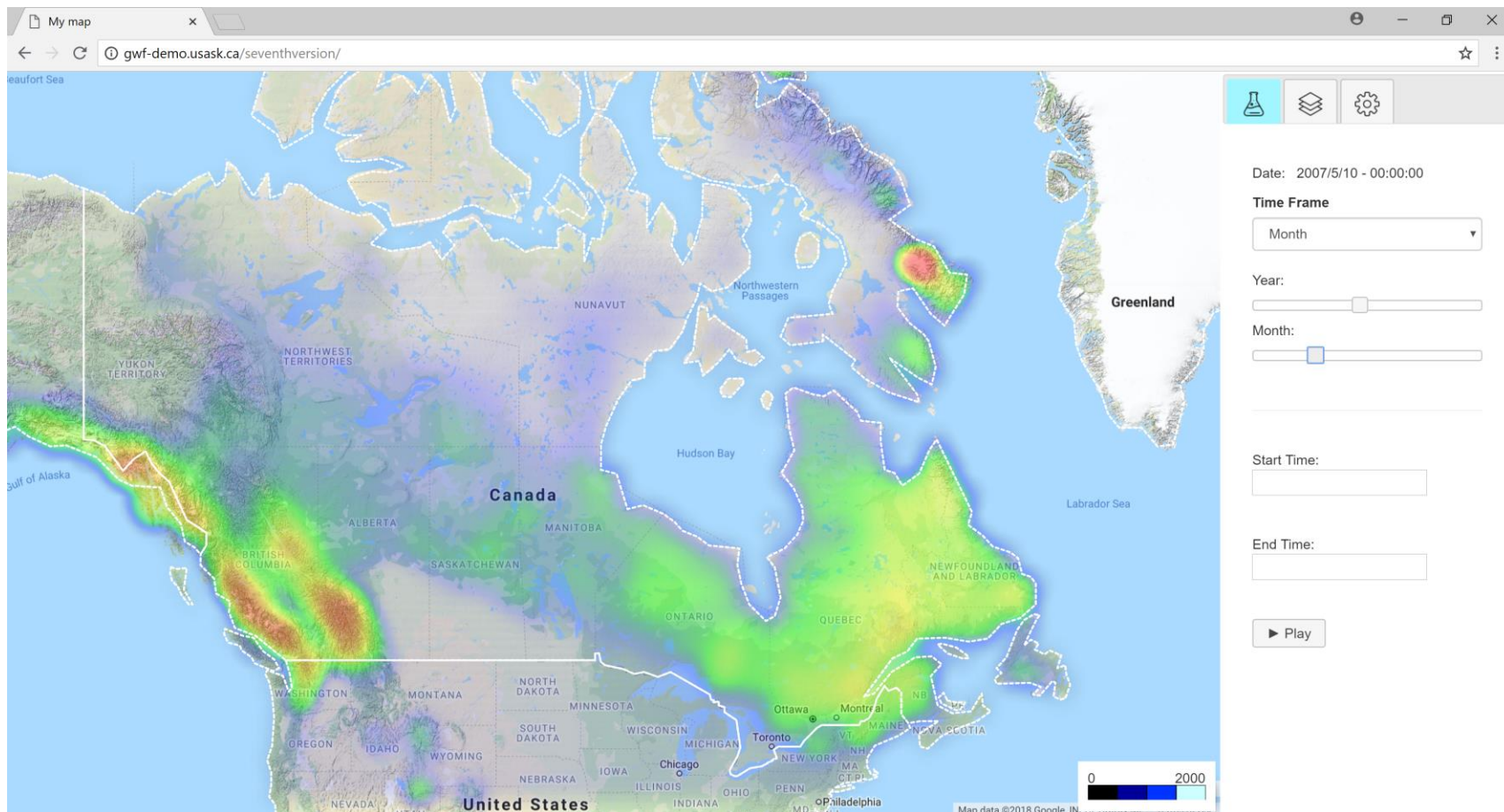
Hold Shift + move mouse





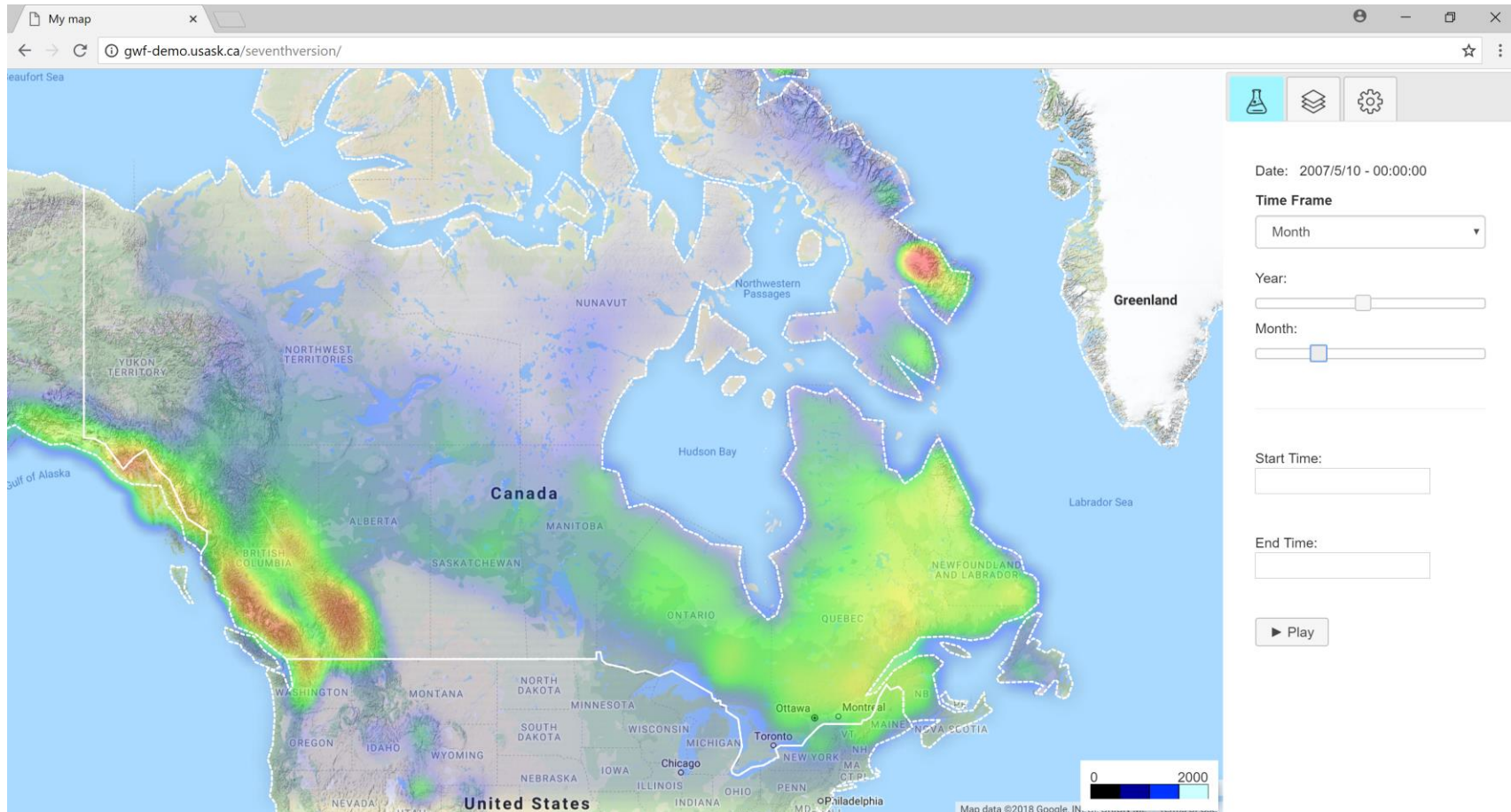


Future 1: Self-Serve Geovisualization



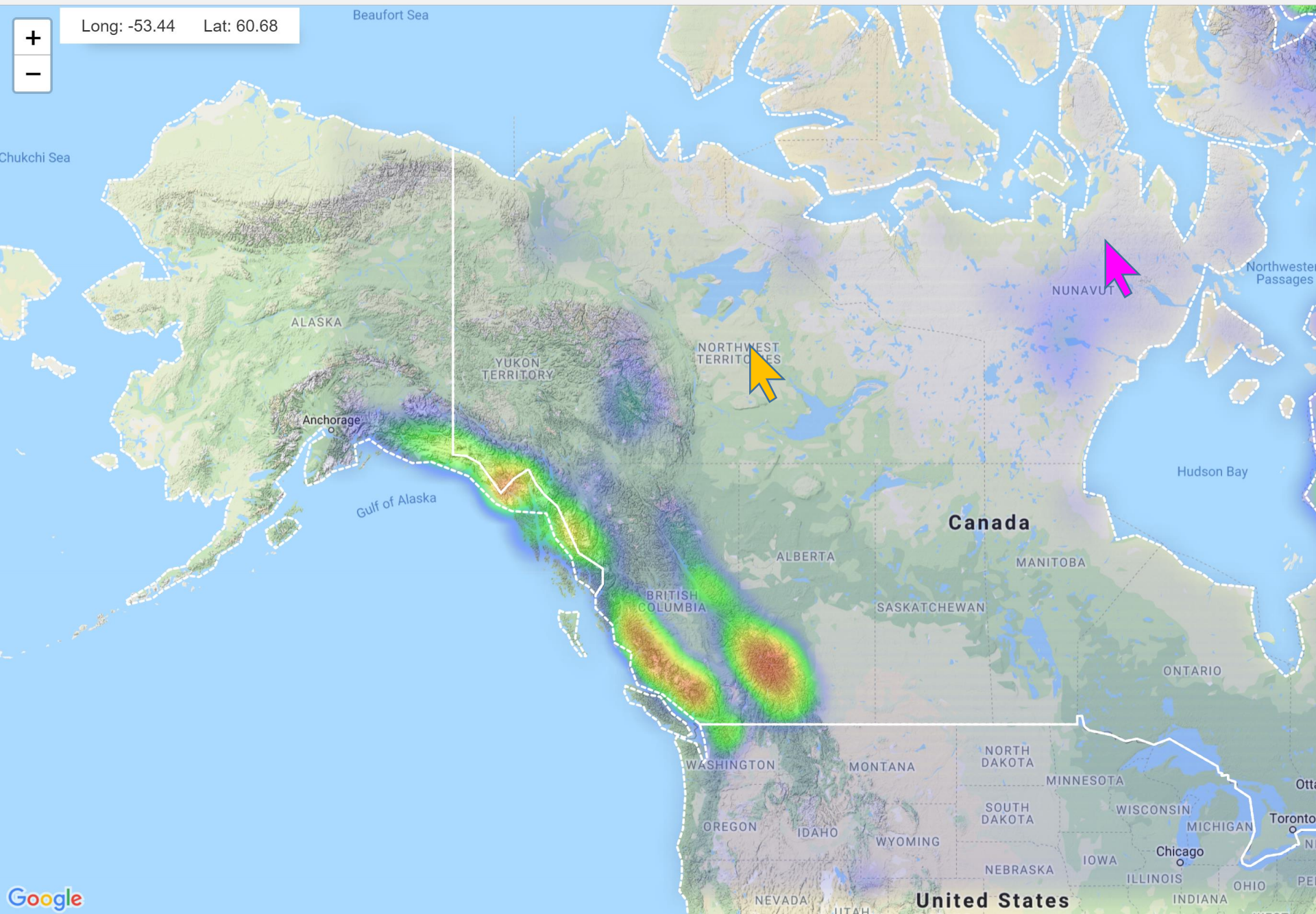


Future 2: Collaboration Support



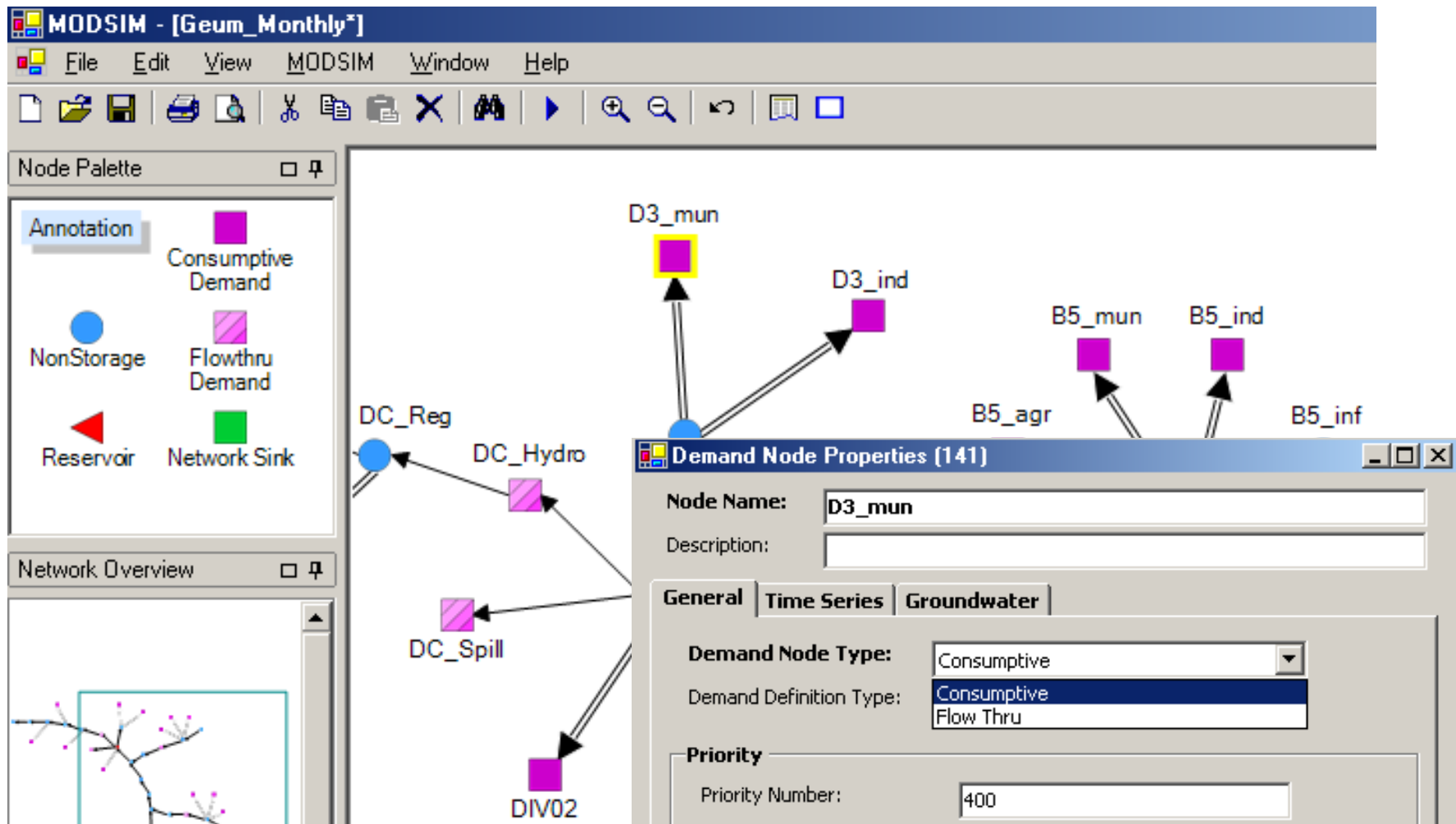


Long: -53.44 Lat: 60.68





Future 3: Simpler UIs for Modeling





Future 4: Community Decision Support





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Contacts & Demo Website

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 - (until it breaks...)