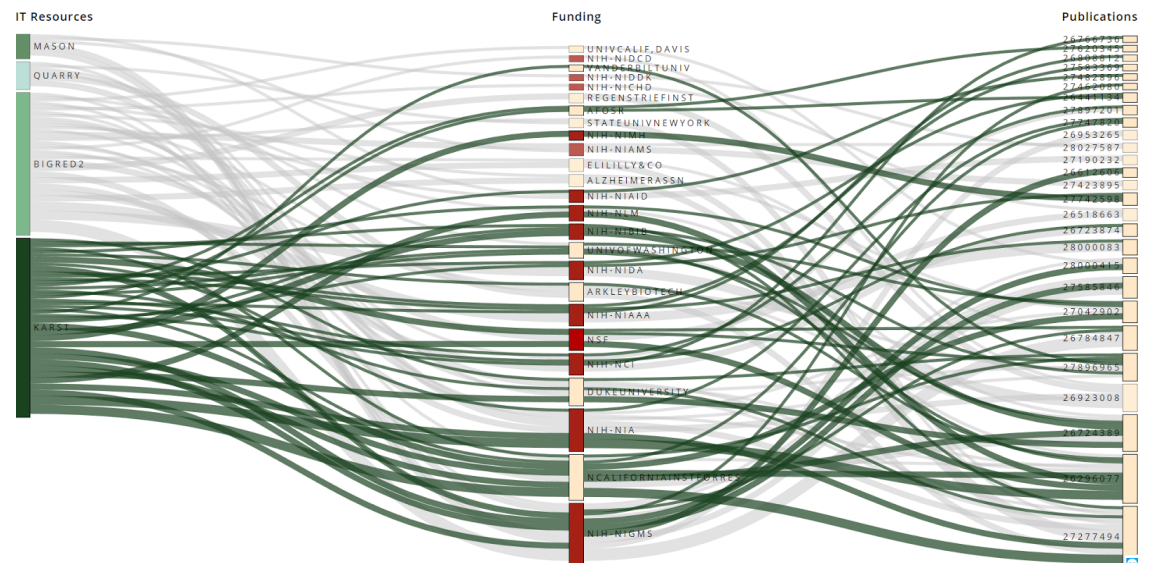


A description of events and corresponding actions on the Sankey viz for XDMoD

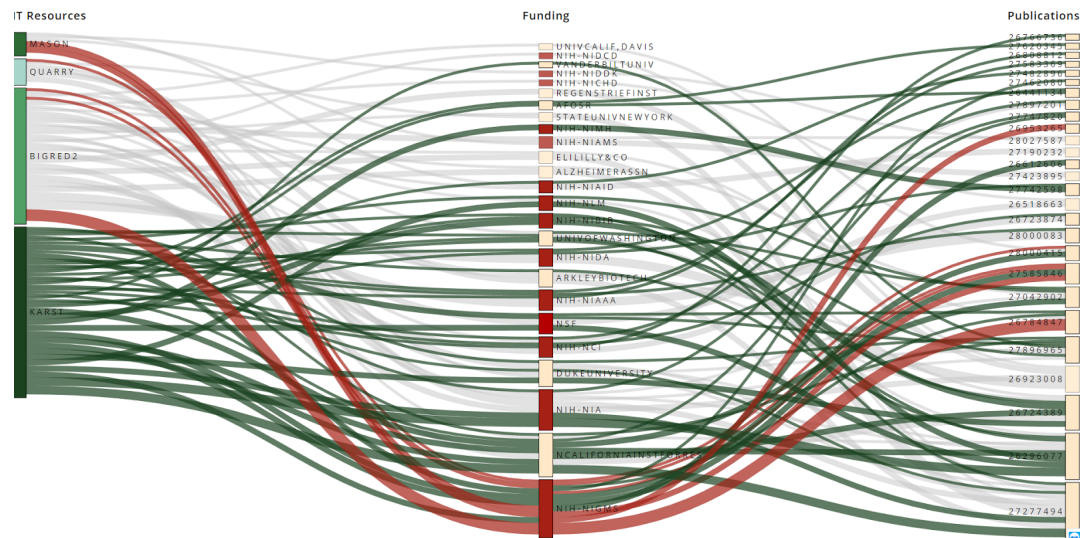
Compiled by Gagandeep on XXX, Reviewed by Scott on XXX, Reviewed by Katy on XXX

Action on Node -

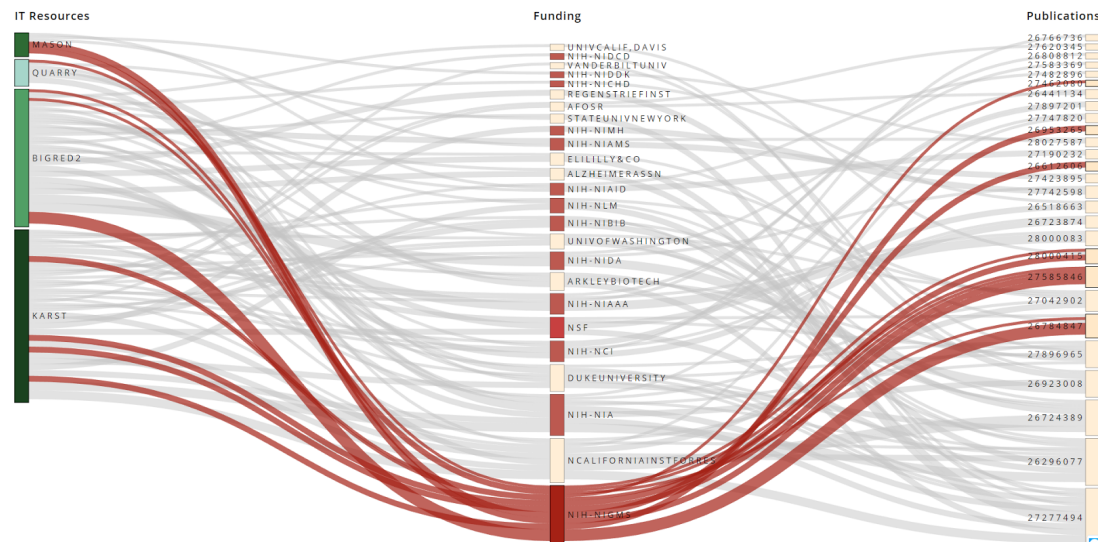
- **Hover(or mouseover event)** - Will highlight the node and all edges emanating out of the node. The edges will have the same color of the node at all three levels as shown below. The edges highlighted will go back to their original state on hovering out (or mouseout event)



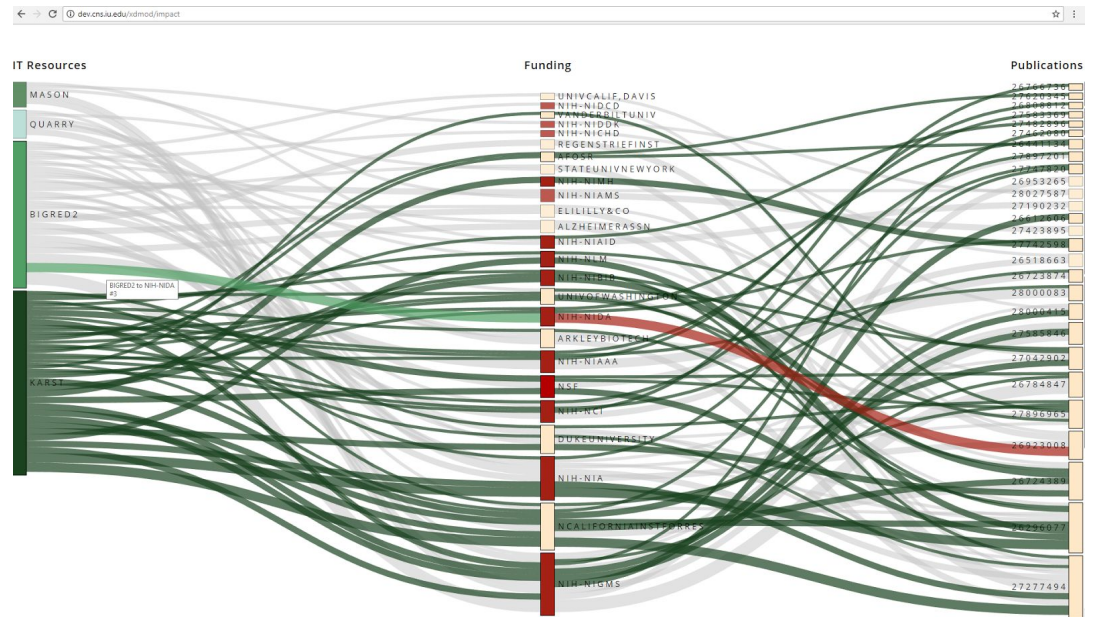
- **Click** - Will highlight the node and all edges emanating out of the node. The edges will have the same color of the node at all three levels same as shown above for hover . The edges highlighted will not go back to their original state on mouseout or drag (until the node clicked initially is double clicked again) Double clicking on the same node will 'un-highlight' all edges emanating from it.
 - If another node is clicked on a different level (say first node was from IT resources and second node is from Funding and/or Publication)and shares some common edges with the first one, then the common edges will not be highlighted in the color of the new node. They will remain of the color of the first node. However, if the first node is double-clicked, then the common edges will take the color of the second node and all other edges from the first node will go back to their 'un-highlighted' state.



(Example - First Karst was clicked and then NIH-NGMS from the second level. The common edges between Karst and NIH-NGMS remain green as shown in the image above, until Karst is turned off by double clicking on it. Then they turn into the color of NIH-NGMS as it is the current selected/clicked node as shown in the image below)



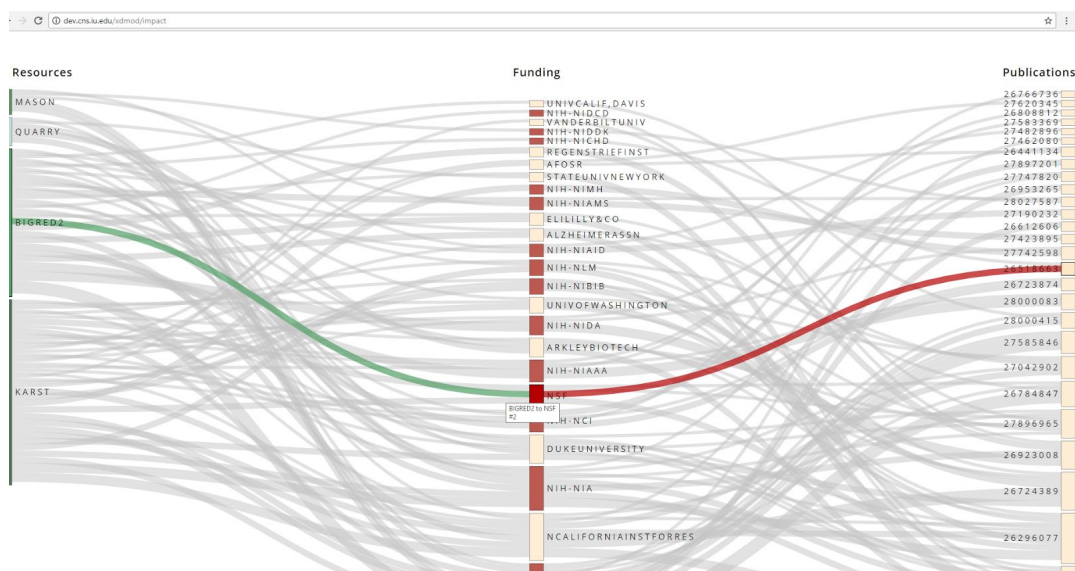
- If an edge is hovered on (mouseover event) while a node has been clicked then that edge if it collides with other highlighted edges on the Sankey then it will superimpose the highlighted edges as shown below -



- **Double-click** - This resets the node to its previous state and clears all emanating edges.

Action on edges

- **Hover(Mouseover event)** - This will highlight the edge in two parts - The first part will have the color of the source node in that part and the second part will have the color of the source node in the second part. Edges highlighted in this fashion show a clear flow of data from one part of the sankey to another.



If an edge is already highlighted as a result of the clicking on a node, then it will not have the same functionality as a normal two color hover on an edge. Only the tooltip will show.

- **Click** - This is currently disabled for the edges as the interface interaction was getting complicated.

Note - Any edge(s) highlighted as a result of any event will also result in the highlighting of the nodes they/it pass(es) through. Nodes through which no edges pass as a result of hover or click events will not be highlighted. Also, double clicking on the white background of the Sankey, acts as a reset button for the Sankey and will clear all selections.