



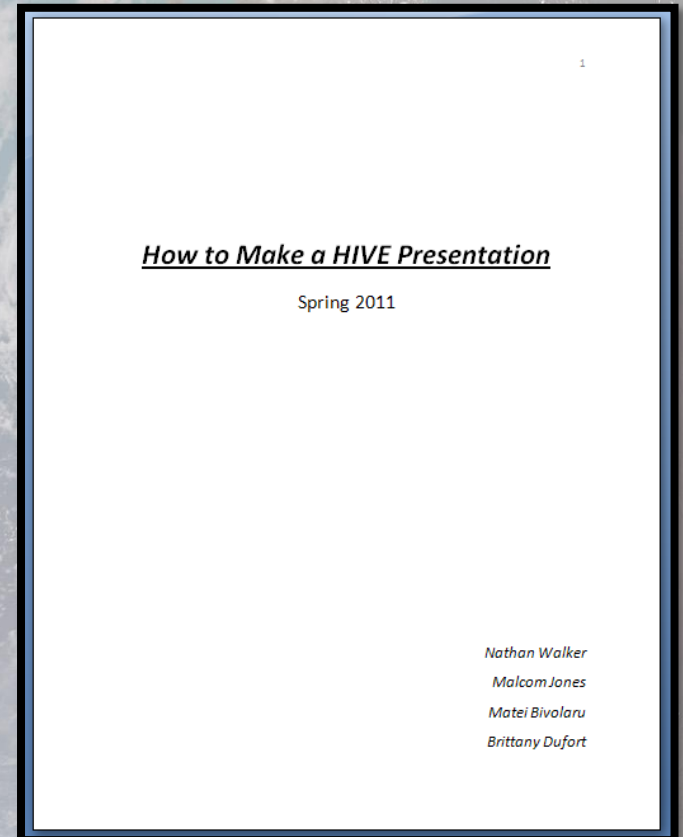
HIVE and Data Processing

NASA Langley Research Center

April 1, 2011

HIVE Handbook on Constructing Presentations

- **We constructed a handbook with the following topics.**
- **Exporting and Importing**
 - How to Export from ArcScene
 - How to Import to vGeo
 - How to Import to OpenSceneGraph
- **vGeo**
 - About vGeo
 - How to Make a vGeo Presentation
 - How to Navigate a vGeo Presentation
- **OpenSceneGraph**
 - About OpenSceneGraph
 - How to Make a HiveOsgViewer Application
 - How to Navigate HiveOsgViewer



KINECT

- **We have begun Kinect-HIVE integration.**
- **The Kinect has been used to successfully navigate vGeo on the HIVE**
- **The Preliminary Controls are**
 - The Right Arm controls Mouse Movement
 - Left arm forward is to hold left click
 - Left arm out to the side is hold right left click
 - Left arm up is zoom in and out
- **Looking towards the future**
 - More complicated and intuitive controls will be implemented
 - These improvements will be helped by the free release of the Kinect Develop Kit Microsoft has stated will be coming sometime very soon.

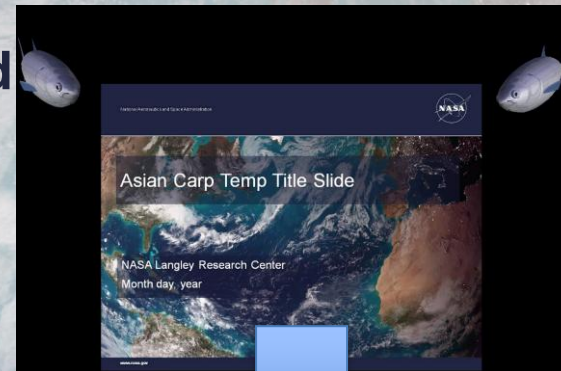
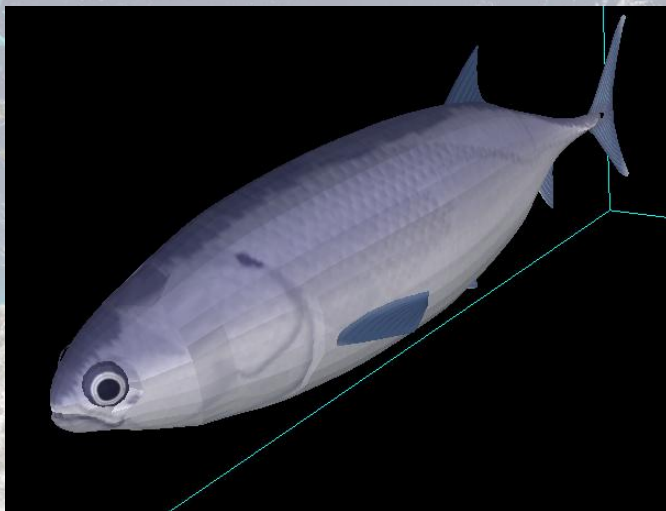


KINECT Demonstration

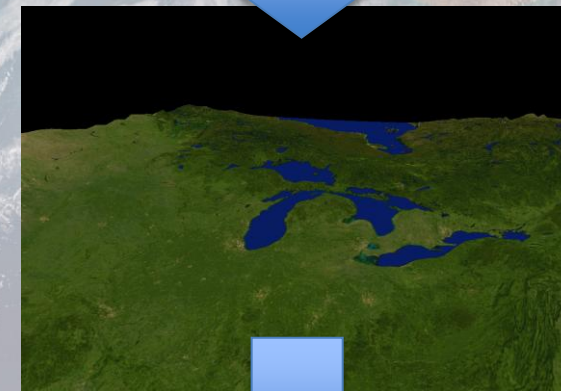


Asian Carp Visual

- The Asian Carp Visual has Progressed as far as possible with our current information
- A Preliminary Intro vGeo script is written.
- Once we obtain information from ArcScene for the presentation from Robert we will be able to easily drop them into the presentation.



Starting Slide



A look at the study region, with 3d topography



Data Slides
Which will be based around ArcScene models from Robert

