STOQS: The Spatial Temporal Oceanographic Query System **[1]**

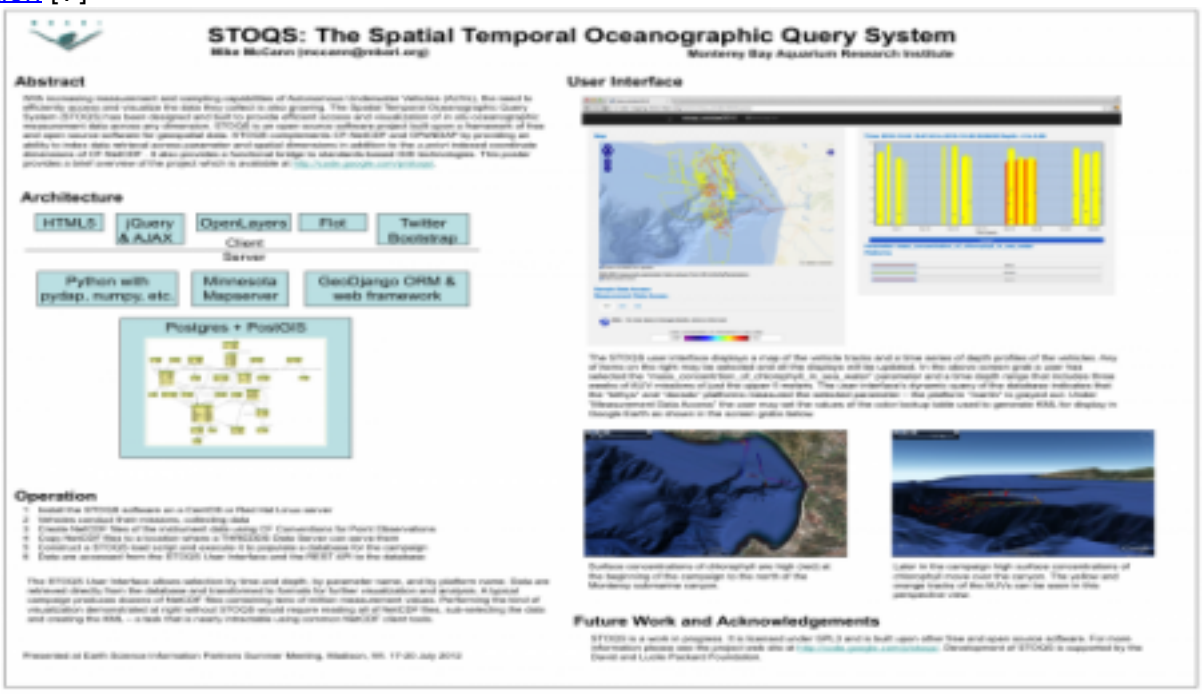
Submitted by mccann on Sat, 2012-07-07 22:42 **Event:** Summer Meeting 2012 [2]

Abstract:

With increasing measurement and sampling capabilities of Autonomous Underwater Vehicles (AUVs), the need to efficiently access and visualize the data they collect is also growing. The Spatial Temporal Oceanographic Query System (STOQS) has been designed and built to provide efficient access and visualization of in situ oceanographic measurement data across any dimension. STOQS is an open source software project built upon a framework of free and open source software for geospatial data. STOQS complements CF-NetCDF and OPeNDAP by providing an ability to index data retrieval across parameter and spatial dimensions in addition to the a priori indexed coordinate dimensions of CF-NetCDF . It also provides a functional bridge to standards-based GIS technologies. This poster provides a brief overview of the project which is available at http [3] ://code.google.com/p/stoqs/ [3].

Animation of visualization at: http://youtu.be/jewLZr7yNRY [4]

Collaboration Area: Data Preservation [5]
Geospatial [6]
Visualization [7]



Images:

[8]

Attachments for download: ESIP_Summer2012_stoqs.ppt [9]

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Keywords: Oceanographic [12]
measurement [13]
database [14]
geospatial [15]
NetCDF [16]
in situ [17]
web application [18]

Source URL: http://commons.esipfed.org/node/568

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