Proto-Examples of Data Access and Visualization Components of a Potential Cloud-Based GEOSS-AI System [1]

Submitted by Wteng on Tue, 2014-12-23 13:21 **Event:** <u>Winter Meeting 2015</u> [2] **Abstract:** */

Once a research or application problem has been identified, one bigical next application problem in the continuum between observations and end point research, applications, and devision making, would be one that enables transported data discovery and access by users. Such a composent of a potential GEOSS-AI system, in the continuum between observations and end point research, applications, and devision making, would be one that enables transported data discovery and access by users. Such a composent might be effected via the system's "beamainty, users like of fact contribution problem", and the system based data discovery and access by users. Such a composent might be effected via the system's "beamainty, users like of fact contribution problem", beam and the system based data discovery and access by users. The system would have some means to accept and inspire our contributed agents. The need of databability for some data format intend to do system based databet evaluated. Another early composent would have some means to accept and inspire to accentend a factor databability for some data format intend to do system based databet. Another early	
Three ongoing projects at the NASA Goddard Earth Sciences Data and Information Services Center (GES DISC) provide possible proto-examples of potential data access and visualization components of a cloud-based GEOSS-AI system.	
 Recognizing data archived as time-step arrays to point-time series ("data rold"), as well as leveraging the NASA Simple Subset Wizzet (SSW), to significantly increase the n via Web services. 	umber of data products available, at multiple NASA data centers, for production as on-the-fly (virtual) data rock. SSW's data discovery is based on OpenSearch. Both pro-generated and virtual data rock are accessible
2. Developing Web Fourier Services to publish the metadata, and expose the locations, of pre-generated and virtual data reds in the GEOSS Portal and enable direct access of the	data via Web services. SSW is also leveraged to increase the availability of both NASA and non-NASA data.
 Federating XXXA Govanni (Geogenical Interactive Online Visualization and Analysis Interface), for multi-sensor data exploration, that would allow each cooperating data centres or in the closed. 	ner, currently the NASA Disortheted Active Archive Centers (DAACs), to configure its own Giovanni deployment, while also allowing all the deployments to incorporate each other's data. A federated Giovanni
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