I.D.E.A.S.™ - Intelligent Data Exploration and Analytics System

an Analytic Services and Delivery Platform available to a variety of users

I.D.E.A.S. makes Remote Sensing and Geospatial Information Systems data readily discoverable, accessible, visualized and useable

Finding the Right Geospatial Data and Models

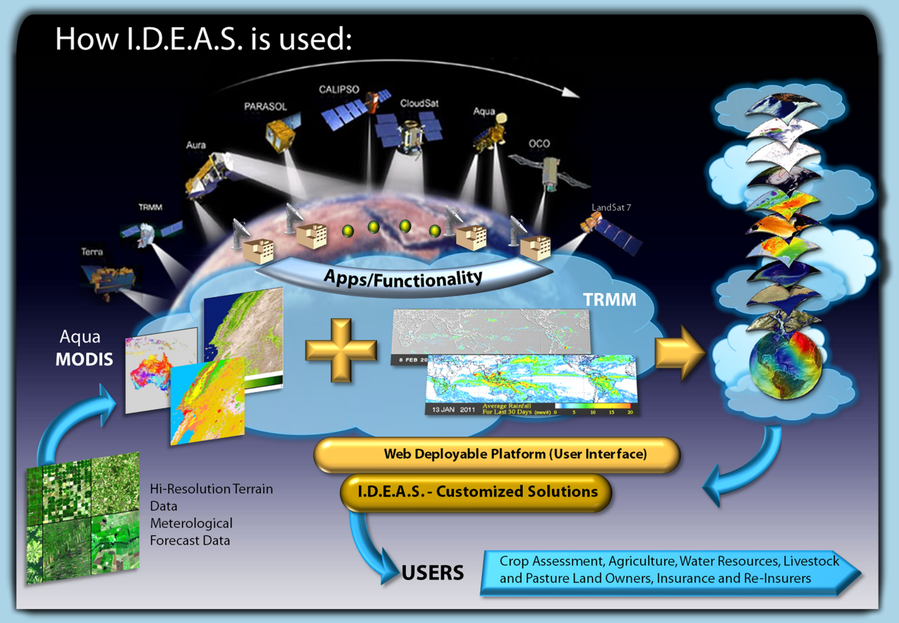
I.D.E.A.S. is a concept that will simplify the discovery, processing and analysis of earth observation data and models. By providing a single interface into federated, disparate data repositories, I.D.E.A.S. will allow users on-demand access to a vast array of satellite and aerial imagery and maps to create value-added visualization products, to utilize data for modeling, and to generate decision-support tools.

Visualization and Analysis Power

I.D.E.A.S. will integrate a web storefront, smart engine and high performance computing backbone to rapidly deploy data, models and analytic capabilities. The web storefront will be a one-stop shopping experience to query, discover, access and execute data and models. The smart engine will leverage innovative methods, such as learned workflows based on a user's problem and solution, to provide near real-time Modeling as a Service (MaaS) functionality for product generation, model calibration, user feedback, and collaboration. The high-performance cloud computing backbone will provide the processing power to generate analytic and visualization products.

Tailored Services for a Variety of Users

I.D.E.A.S. will benefit a wide spectrum of users who want to use image, geospatial, weather, and other remotely sensed data from public sources like NASA and commercial sources for applied science and commercial applications that benefit society. Users will have the ability to upload models, discover other users' models, and download newly-developed products, and solutions. Additionally, I.D.E.A.S. will provide the means for users to develop, exploit, and utilize products and collaborate on solutions in a community of users with similar domain interests.



The SI Organization, Inc. is a leading provider of full life cycle, mission-focused systems engineering and integration services to the U.S. Intelligence Community, Department of Defense and other agencies. Its scalable systems engineering platform for modeling, simulation and analysis helps customers baseline requirements, optimize resources and manage risk. This systems engineering platform is now available for the commercial sector in cost-effective, modularized components. The company has 40 years of experience successfully delivering complex, system-of-systems technology solutions. The SI employs approximately 2,000 people, with major locations in Chantilly, VA; Laurel, MD; and Valley Forge, PA.

I.D.E.A.S. is being developed and implemented by the SI through corporate partnerships and licensed technologies

the SI · GCS research™ · esri · Global Marketing Insights, Inc. · A Visual Edge · Ideas and Machines, Inc. · IBM InfoSphere Streams

for more information, contact: charles.samuels@thesiorg.com or shawana@globalinsights.com

the SI

Copyright 2012, The SI Organization, Inc.