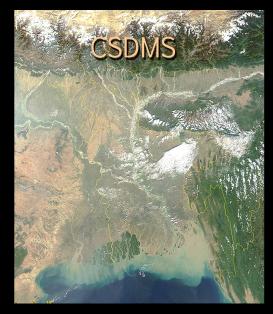
The Community Surface Dynamics Modeling System

develops, integrates, archives & disseminates software to define the earth's surface dynamics

James (Jai) Syvitski, CSDMS Executive Director



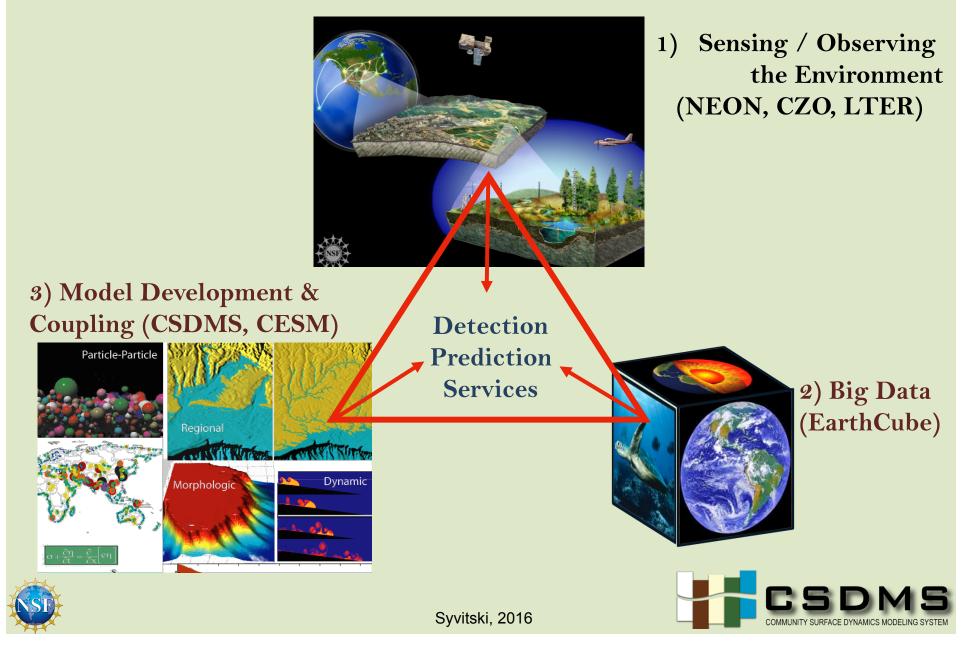








NSF's 21st Century Environmental Advanced Cyber-Infrastructure (ACI)





Working Groups

Terrestrial	665
Coastal	530
Marine	340
EKT	210
Cyber	200

Focus Research Groups

Hydrology525Geodynamics120Carbonate95Chesapeake70Critical Zone70Human Dimensions65Ecodynamics45

Initiatives

Coastal Vulnerability	75
Continental Margins	42



Environmental WGs & FRGs advance short to long term goals; modeling priorities; quality control



CSDMS Groups offer:

- 1. Disciplinary tools / models;
- 2. Quality control & testing;
- 3. Development priorities;
- 4. Resource prioritization;
- 5. Proposals

CSDMS IF offers:

- 1. International coordination
- 2. Model & Data Repository
- 3. Model Coupling & Model Reuse Middleware
- 4. High Performance Computing Support
- 5. Education & Knowledge Transfer Products
- 6. Model Support Services
 - Modeling Tools
 - Model Metadata & Info



Linking Earth System Dynamics and Social System Modeling 23-25 May 2016, Boulder, Colorado

Sponsors









White paper





In 2014 experts met to investigate social dimensions of the Anthropocene



- Re-conceptualizing the Anthropocene: A new call for collaboration
- Methods and approaches to modeling the Anthropocene
- Plausible and desirable futures in the Anthropocene
- Down to Earth: Contextualizing the Anthropocene

