Tools and Technologies for Big Data in Earth Science [1]

  Submitted by aashish24 on Wed, 2017-01-04 13:30   Friday, January 13, 2017 - 14:00 to 15:30
Event: Winter Meeting 2017 [2]
Session Type: Breakout [3]
Room Location: Glen Echo [4]
Expertise Level: Intermediate [5]
Collaboration Area: Information Technology and Interoperability [6]
Abstract/Agenda:

The field of earth and environmental sciences is rapidly adopting the paradigm of large-scale, data-intensive analytics to understand our complex and an ever changing planet. Advances in sensing technologies, modeling, and simulation, data storage, compute capabilities, and sophisticated software has increased the size, complexity, and variety of data. To this end researchers are working on solutions that uses proven and sometimes cutting-edge tools for data intensive earth science analytics. In this session, we will present some of the recent work that uses Jupyter, Spark, Scala, and Docker, and SciDB to address some of these challenges in an open-source enviroment.

Session Leads:

Name: Aashish Chaudhary [7]
Organization(s): Kitware Inc. [8]
Email: aashish.chaudhary@kitware.com [9]

Name: Thomas Maxwell [10]
Organization(s): Goddard Space Flight Center, NASA [11]
Email: Thomas.maxwell@nasa.gov [12]

Name: Chris Kotfila [13]
Organization(s): Kitware Inc. [8]
Email: chris.kotfila@kitware.com [14]

Name: Kwo-Sen Kuo [15]
Organization(s): NASA Goddard Space Flight Center [16]

Name: Daniel Q. Duffy [17]
Organization(s): Goddard Space Flight Center, NASA [11]
Email: daniel.q.duffy@nasa.gov [18]

  Source URL: https://commons.esipfed.org/node/9706

Links
[1] https://commons.esipfed.org/node/9706
[2] https://commons.esipfed.org/2017WinterMeeting
[3] https://commons.esipfed.org/session-type/breakout
[4] https://commons.esipfed.org/taxonomy/term/2608
[5] https://commons.esipfed.org/taxonomy/term/261
[6] https://commons.esipfed.org/collaboration-area/information-technology-and-interoperability
[7] https://commons.esipfed.org/node/8902
[8] https://commons.esipfed.org/taxonomy/term/2100
[9] mailto:aashish.chaudhary@kitware.com

[10] https://commons.esipfed.org/node/8930
[11] https://commons.esipfed.org/taxonomy/term/726
[12] mailto:Thomas.maxwell@nasa.gov
[13] https://commons.esipfed.org/node/8903
[14] mailto:chris.kotfila@kitware.com
[15] https://commons.esipfed.org/node/478
[16] https://commons.esipfed.org/taxonomy/term/246
[17] https://commons.esipfed.org/node/8921
[18] mailto:daniel.q.duffy@nasa.gov