The CODATA-RDA Research Data Science Advanced Workshops on Bio-informatics, Climate Data Sciences, Extreme sources of data and Internet of Things (IoT)/Big-Data Analytics

20 - 24 August 2018
Trieste, Italy

During this activity, four applied/thematic workshops on Research Data Science would run in parallel.

Description:

Workshop on Extreme sources of data: Introduction to CERN LHC and ATLAS Experiment. Hands-on sessions will include python coding and tutorials on using the ATLAS Open Data Platforms/Tools.

Workshop on Bioinformatics: Advanced hands-on-tutorials on computational methods for the management and analysis of genomic and sequencing data.

Workshop on IoT/Big Data Analytics: Topics will include Big Data tools and technology; real time event processing; low latency query; analyzing social media and customer sentiment. Hands-on sessions will include deploying and using Big-Data Analytic tools and platforms including Hadoop, Apache Kafka and HDF Workshop on Climate Data Science: Cloud computing platform/tools for Climate Data Sciences including integration and visualization of on-line and local datasets. Hands-on sessions will focus on using on-line high performance platforms and tools for Climate Data Science.

Participation in any of these applied workshops requires some knowledge of Research Data Science, which may be obtained by applying separately for the "Research Data Science Summer School" (SMR3231) which takes place August 6-17 2018.

How to apply:

Online application:
http://indico.ictp.it/event/8561/

Female scientists are encouraged to apply.

Grants:

A limited number of grants are available to support the attendance of selected participants, with priority given to participants from developing countries. There is no registration fee.

Directors:

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Local Organizer:

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Speakers:

ELIXIR
University of Trieste
European Open Science Cloud
CERN
Green Climate Fund

Deadline:

21 May 2018

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