



International Centre for Theoretical Physics
South American Institute for Fundamental Research

CODATA-RDA School of Research Data Science

Center for Scientific Computing - UNESP, São Paulo, Brasil

December 4-15, 2017



Contemporary research – particularly when addressing the most significant, transdisciplinary research challenges – cannot be done effectively without a range of skills relating to data. This includes the principles and practice of Open Science and research data management and curation, the use of a range of data platforms and infrastructures, large scale analysis, statistics, visualisation and modelling techniques, software development and annotation and more. We define 'Research Data Science' as the ensemble of these skills.

The International School on Data Science will focus on growing competence in accessing, analyzing, visualising, and publishing data. It is open to participants from all disciplines and/or background from the sciences to humanities. This activity will cover topics on principles and practice of Open Science, research data management and curation, use of a range of research compute infrastructures, large scale analysis, statistics, visualisation and modeling techniques, automation and scripting.

There is no registration fee. Limited funds are available to support accommodation, subsistence and travel support. For financial reasons, it is likely that priority will be given to travel support for students from the Latin American and Caribbean region, except in the case of particularly exceptional students.

Applicants from any region are strongly encouraged to look for alternative sources of funding to support their participation. For the recent CODATA-RDA School of Research Data Science in Trieste a large number of students were able to support their participation with funding from a variety of sources including their institutions, various grants, charities and sponsoring organisations etc

The training provided by the CODATA-RDA School of Research Data Science is primarily targeted at Early Career Researchers (advanced masters students, doctoral candidates, post-docs and young or early career academics). The data skills taught are also useful for (data) librarians and other research support staff, such as those who envisage a career as data steward or data analysts. Furthermore, people who are more advanced in their careers who would like to improve their data skills as a form of continuing professional development are also eligible.

Applicants are expected to have a baseline of data skills and these are tested by an online form. In addition, applicants should pay particular attention to their personal statement and communicate persuasively their reasons for wishing to attend the School: how do they intend to use these skills, how will it benefit their research or the institution in which they work? Finally, candidates should take pains to ensure that their application is well supported by references from their past or present tutors or line managers. This is particularly important so that the School directors have confidence in the candidate and that the skills learnt will have the maximum benefit and impact.

Directors:

Simon Hodson (CODATA, Committee on Data of the International Council for Science, France)

Sarah Jones (Digital Curation Centre, University of Glasgow, UK)

Ciira Maina (Dedan Kimathi University of Technology, Kenya)

Robert E Quick (Indiana University, USA)

Hugh Shanahan (Royal Holloway, University of London, UK)

Local Organizers:

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Sérgio Novaes (NCC and SPRACE, Brazil)



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The application deadline is September 22, 2017

The online application form and more information can be found at:

www.ictp-saifr.org/datasci2017