Research Data Management @iit

ISTITUTO ITALIANO DI TECNOLOGIA

MONDAY 25th NOVEMBER

Sala Leonardo - 11:00 am

Speaker
PROF. DR. BAREND MONS
Scientific Director of GO FAIR International Support and Coordination Office

THE INTERNET FOR SOCIAL MACHINES

We are in a transition phase of science, where machines (mainly computers) have become our major research assistants. Humans and computers increasingly work together as 'social machines' to make sense of complex natural phenomena.

However, computers need a very different input as compared to people and the way we adapt the communication and reuse of our research results is adopting to this new situation only at glacial speed. Still, the 15 FAIR Principles, published in 2016, dealing with machine actionable data and services, have found unusually rapid uptake among a broad spectrum of stakeholders, from research scientists who create and reuse data, to publishers who distribute data, to science funders who track impact of data.

Barend will describe the FAIR Principles and show examples of how they have been implemented. He will also present a set of core FAIR Metrics that can help gauge the level of FAIRness of any digital resource.

Of particular interest is how additional FAIR Metrics can (and should) be defined to address community-specific data structures and analytic requirements.

This discussion, and these examples will be presented in the context of the International GO FAIR Initiative. GO FAIR is a voluntary community of stakeholders devoted to implementation solutions of an emerging Internet of FAIR Data and Services.