

Tools and techniques for massive data analysis

15/16 December 2014

Cineca, Bologna, Italy

Preliminary agenda

	Monday, December 15
09.00 - 09.20	Registration
09.20 - 09.30	Introduction and logistics
09.30 - 11.10	Big Data Challenges
11.10 - 11.30	Coffé break
11.30 - 12.30	Introduction to Map-Reduce and Hadoop (Hadoop, HDFS, Yarn)
12.30 - 13.30	Lunch break
13.30 - 14.10	Map-Reduce advanced techniques (Pig, Hive)
14.10 - 14.30	Coffé Break
14.30 - 15.30	Set-up of Hadoop environment
15.30 - 17.30	Exercises: First MapReduce algorithm
	End of the first day

	Tuesday, December 16
09.00 - 9.40	HPC vs BigData
09.40 - 11.00	In memory Map-Reduce (Apache Spark)
11.10 - 11.30	Coffé Break

11.30 - 13.00	Exercises: MapReduce algorithms
13.00 - 14.00	Lunch break
4.00 - 17.30	Exercises: MapReduce algorithms