Why was this stem important for you?

One day, my boss told me: “We have sequenced 22 pig genomes. We have more than 1.5 TB of data. Are you interested in their analysis?”. Well, as bioinformatician I could not refuse this challenge. However, in my mind it was something feasible and unfeasible at the same time. I did not know the best practices to analyze/understand this amount data and I did not have the access to the resources needed to its management.

This stem represented the possibility to address this challenge. I had the possibility to stay for one month at the Earlham Institute (UK), under the supervision of Federica di Palma. The Di Palma’s unit focuses on several different aspects of vertebrate genomics, taking advantage of a HPC platform. The expertise and the computational resources available at the Earlham Institute have made possible to carry out this project. At the end, I have increased my knowledge in the management and analysis of big data, and I have learnt how to understand the adaptive evolution at the basis of these data/breeds.

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