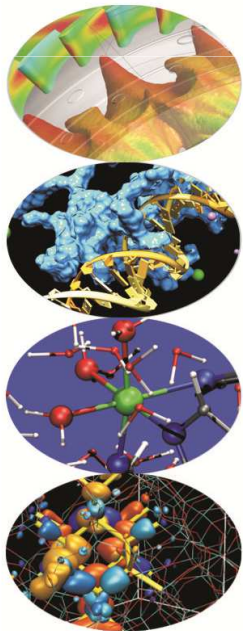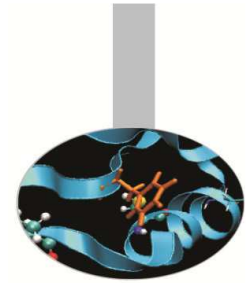# Summer of HPC 2014

A case study

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This Presentation is available at

https://hpc-forge.cineca.it/files/CoursesDev/public/2014/School%20of%20Scientific%20Visualization/SoHPC_Case%20study.pdf
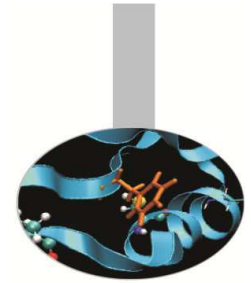
Summer of HPC Program

- Summer of HPC is a PRACE programme that offers summer placements at HPC centres across Europe to **late stage undergraduates and early stage postgraduate students.**

- Participants will spend **two months** working on projects related to PRACE technical or industrial work and ideally produce a visualisation or video of their results.

- **Flights, accommodation and a stipend will be provided** to all successful applicants; all participants need to bring is an interest in computing and some enthusiasm!
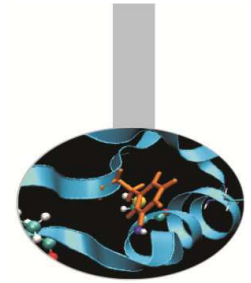
Summer of HPC Program

- Applications are welcome from all disciplines.

- Previous experience in HPC is not required, some coding knowledge is a prerequisite but the most important attribute is a desire to learn, and share, more about HPC.

- Usually application are open on March and are closed on April.

- In order to apply please visit https://summerofhpc.prace-ri.eu/

- For the latest information on the programme follow us on twitter @summerofhpc or visit us on Facebook www.facebook.com/SummerOfHPC
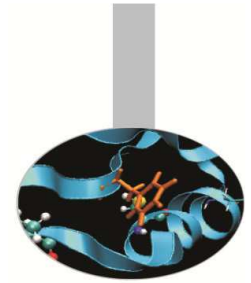
Summer of HPC 2014

- Two students here in CINECA

- Two projects about Scientific Visualization:

    - "The way to Heating the Solar Corona: Finely-Resolved Twisting of Magnetic Loops"

    - "Innovative Computational Methods for Wind Farms"

- A final movie was made in order to show the results

    - You can find the video at:

        - https://hpc-forge.cineca.it/files/CoursesDev/public/2014/School%20of%20Scientific%20Visualization/FINAL_VIDEO_from_CINECA_NIKL&_LAZARIDOU_720p.avi

Our Tutorial

1. Create un filmato usando i dati contenuti in <u>questa</u> cartella.

2. Montate un filmato unendo il filmato appena creato con quelli che trovate in <u>questa</u> cartella (solo filmanti 01 e 02) e con l'immagine che trovate in <u>questa</u> cartella. L'audio contenente il commento al video lo potete trovare in <u>questa</u> cartella