PRACE Training
Objectives

- Organise training events supporting the needs of users and the CoEs
- Continue PATC training and improve the network even further
- Expand on-line training opportunities
Outline

- PRACE Training Events
- PRACE Training Portal
- PRACE Events Website
- CodeVault
- MOOCs
PRACE Training Events

- PRACE Seasonal Schools
  - Seasonal Schools take place throughout Europe in the Winter, Autumn and Spring.
  - Forthcoming Events
    - 2016 International Summer School on HPC Challenges in Computational Sciences
    - PRACE Autumn School 2016, Austria - Modern HPC Development for Scientists and Engineers
- For more information:
  [https://events.prace-ri.eu/category/6/](https://events.prace-ri.eu/category/6/)

Further on-demand events to be delivered based on the needs of Centers of Excellence
PRACE Training Events

- PATC Training Program
  - Around 80 Training events per year
  - 6 PRACE Advanced Training Centers
    - BSC - Barcelona Supercomputing Center (Spain)
    - CSC - IT Center for Science (Finland)
    - CINECA - Consorzio Interuniversitario (Italy)
    - EPCC at the University of Edinburgh (UK)
    - GCS - Gauss Supercomputing Center (Germany)
    - MdS - Maison de la Simulation (France)
- PATC 2016-2017 Training programme available
  - Please pick up a copy

For more information: https://events.prace-ri.eu/category/2/
PRACE Training Portal

- [http://www.training.prace-ri.eu/](http://www.training.prace-ri.eu/)
- Platform to make publicly available training material from PRACE Training Events
  - Hundreds of training material documents
- Advertises forthcoming PRACE Training Events
- Videos Tutorials
  - [http://www.training.prace-ri.eu/tutorials/index.html](http://www.training.prace-ri.eu/tutorials/index.html)
  - Short videos on specific subjects such as MPI, OpenMP, PETSc
- Links to PRACE partner portals, “Best Practise Guides”
PRACE Training Portal - Training Material

- [http://www.training.prace-ri.eu/material/index.html](http://www.training.prace-ri.eu/material/index.html)
  - Can be found towards end of page
- Training material of over 120 PRACE Training Events
  - Includes hands on exercises
  - Some of these have videos of the lectures also.
    - Marked with “Video Lectures” in the title
- Most of material tagged and categorised too
PRACE Events Website

- [http://events.prace-ri.eu/](http://events.prace-ri.eu/)
- Advertises forthcoming PRACE Training Events
  - PATC Courses
    - [https://events.prace-ri.eu/category/2/](https://events.prace-ri.eu/category/2/)
  - PRACE Seasonal schools
    - [https://events.prace-ri.eu/category/6/](https://events.prace-ri.eu/category/6/)
- Each post provides full details of the forthcoming event
  - Allows visitors to register for events
CodeVault

- Repository of Open Source code samples
- Examples and model solutions of common HPC programming tasks
  - Possible to utilise in training and as building blocks of real-world applications
Massive Open Online Courses

• Syllabus defined for two MOOCs
  – Introduction to HPC
  – Management of massive data

• To be available soon