



PARTNERSHIP FOR
ADVANCED COMPUTING IN EUROPE

PRACE Training



PARTNERSHIP FOR ADVANCED COMPUTING IN EUROPE

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/>

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/>
- 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>
 - 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>
 - 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

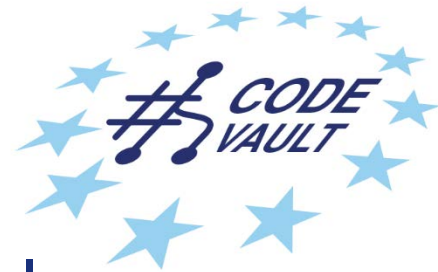


PRACE Events Website

- <http://events.prace-ri.eu/>
- Advertises forthcoming PRACE Training Events
 - PATC Courses
 - <https://events.prace-ri.eu/category/2/>
 - PRACE Seasonal schools
 - <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
- <https://gitlab.com/PRACE-4IP/CodeVault>
- 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