



# Report on WP5 D5.2 (Job centre portal) and D5.3 (Training portal)

University of Ljubljana, Faculty of  
Mechanical Engineering, LECAD

Prepared by: dr. Blaž Rodič

Presenter: dr. Janez Povh

EXDCI Slides Template

octobre 4, 2016



# Content

- Goals
- Planned functionalities
- Web pages
- Discussion
- Future development

## D5.2 (Job centre portal)

### Goals (from task description)



- This task will support employers recruiting staff to work in HPC by setting up a **“Job Centre” portal** with **sample job descriptions** (to help employers specify the skills and qualities they need) and **links** to sites where HPC jobs are listed e.g. the HPCWire Job Bank.
- In addition, **jobs offered by PRACE, ETP4HPC and EESI** partners and their collaborators will be **advertised** on the project website to specifically promote opportunities in Europe.
- The task will also make **recommendations** on how the portal could be expanded in a self-sustaining manner (e.g. **through paid advertising**) and look at any challenges that would have to be tackled if the scope were expanded (e.g. **keeping personal data secure**).
- The job portal could replace the PRACE jobs page: <http://www.prace-ri.eu/job-offers/>
- Core development team: FS UL (specifications), BSC (design and implementation) with contributions from other WP5 partners

## D5.2 (Job centre portal) Planned functionalities



- Access by:
  - Administrators (EXDCI staff)
    - Roles:
      - administration of web pages,
      - moderation of job offers,
      - ! posting job offers (from **PRACE, ETP4HPC and EESI partners**, and **manual aggregation** of job offers from existing sites, until the user base provides enough content)
  - Employers / job posters (e.g. agencies)
    - Roles:
      - posting job offers
  - Job seekers
    - Roles:
      - searching, browsing, subscribing to job offers

## D5.2 (Job centre portal)

### Planned functionalities

#### **Administrators** can:

- edit the list of users and contact them,
- add, edit, delete job posts,
  - i.e. add job posts from PRACE, ETP4HPC and EESI and job posts originally posted elsewhere
- edit static content of web pages,
  - e.g. descriptions of pages, disclaimer, links.

## D5.2 (Job centre portal)

### Planned functionalities

#### **Job posters (Companies / HR agencies) can:**

- register a user account,
- edit their profile information, including company logo and contact information,
- add, edit, delete job posts
  - job posts are structured (contain several data fields, including images).

## D5.2 (Job centre portal)

### Planned functionalities

#### **Job seekers** can:

- register a user account,
- edit their profile information,
  - but not add personally identifiable information (name, address) due to legal limitations (subject to change after end of EXDCI project),
- upload: a PDF file,
  - i.e. their CV, but without personally identifiable information (subject to change after end of EXDCI project)
- browse job posts,
- search posts via several criteria,
- subscribe to job posts fitting selected criteria.

## D5.2 (Job centre portal)

### Web pages

- **Main/welcome page** (public access)
  - Layout: following the existing EXDCI style (job portal will be part of the EXDCI portal)
- **User administration**
  - Access: administrators
  - Layout: list of registered users, controls for user management (edit, delete, contact)
- **User profile editing**
  - Access: Logged in users (job posters, job seekers)
  - Layout: controls for editing of user information will depend on user type (e.g. CV editing / job editing)

## D5.2 (Job centre portal) Web pages

- Job posting&editing
  - Access: administrators, job posters
  - Layout: data fields for e.g. job title, company, country, job type, required education, required skills, job description, application procedure, deadline for application, key words, document?: PDF
- Job search (public access)
  - Layout: similar as at HiPEAC: <https://www.hipeac.net/jobs/>
- Job search results (public access)
  - Layout: similar style as <https://www.hipeac.net/jobs/>
- Job post display (public access)
  - Layout: display of all job data fields

## D5.2 (Job centre portal) Discussion



- Current vision of portal is:
- **aggregation** of job posts from existing HPC job portals, e.g. the HPCWire Job Bank, HiPEAC and **original** job posts from PRACE, ETP4HPC and EESI
- Is the vision **big enough**? Too big? **Sustainable** in the long run? Should the portal **compete** or **collaborate** with existing portals? How **should** it **be different/better** than e.g. HiPEAC?
- Is the planned set of functionalities **sufficient** for partnership **needs**?
  - Additional user types?
  - More possibilities for job posters/employers?
  - More possibilities for job seekers?
  - More/Different data to be stored for employers/job seekers/jobs?
- Feasibility within the deadlines (M15, November 2016)? (developers: BSC web team)

## D5.2 (Job centre portal) Future development (past EXDCI)



- Goal: making the portal self-sustaining.
- ! Unless there is a large user base, the job posts will still have to be manually gathered and posted at the portal (aggregation is manual). How will this work be financed after EXDCI?
- Posting of paid advertisements?
- Storage of personal information of job seekers:
  - personal info data fields can be already a part of the database, but not shown in job seeker profile forms
  - job seeker pages should include a disclaimer / Legal Notice / (to be formulated) to omit personally identifiable information from user editable fields and any uploaded files

## D5.3 (Training portal)

Goals (prepared by dr. Inglis)



This task will highlight existing training provision by **cataloguing courses** and training **providers** in Europe, listing them via a **searchable portal**:

- This will include training provided by companies as well as HPC centres;
- Need to liaise with PATC organisers, among others.

### **This task will also:**

- Produce a **Training Roadmap** based on **Gap Analysis** and future requirements, taking into account the differing needs of technology providers, tools providers and applications experts;
- Support the **establishment of a community** of training providers, leveraging opportunities for training providers to improve their understanding of technology-push and user-pull trends which will impact on training demand and enhancing public-private training collaborations.

Training portal is just a **part** of the D5.3.

Portal will need to support **generation/dissemination** of other parts of D5.3 (Training Roadmap, community of training providers).

**Integration** with other WPs that include training would be beneficial.

**Discussion** within partnership is crucial to define functionalities of the training portal **before implementation** (due M18!).

Every WP has connections to organisations which provide some training, in both the academic and commercial sectors, sometimes with a reach beyond Europe (eg BDEC).

- **WP2:** Links with **ETP4HPC** can inform the development of the training strategy, in particular highlighting the industrial perspective;
- **WP3:** Contact with the **CoEs** is vital, to ensure that HPC tools and techniques are fully taken up within the key application areas identified. Training is needed both for the developers of the applications (to keep them up to date with the technological advances feeding through into the hardware and software that they use), and for the end users (training in the new versions of the applications);
- **WP4: EuroLab4HPC** is working to define an HPC curriculum in HPC technologies and best-practice education/training methods to foster future European technology leaders;
- **WP6:** Links with **BDEC** can bring the added value of perspectives from outside Europe.
- **WP8:** promotion of the job and training portal via a press release, a video infography with materials of the job portal, via EXDCI social media channels, flyer, etc.

## D5.3 (Training portal)

### Questions (prepared by dr. Inglis)

#### Status quo:

- What exists already?

#### Answer:

- **PRACE training portal:** [http://www.training.prace-ri.eu/nc/training\\_courses/index.html](http://www.training.prace-ri.eu/nc/training_courses/index.html)  
- includes list of partner portals;
- **PRACE Advanced Training Centres (PATCs)** offer a co-ordinated timetable of short training courses to HPC users across Europe, providing both entry-level and more specialised courses;
- **Seasonal schools:** <https://events.prace-ri.eu/category/6/>
- **International Summer School on HPC** (organising partner): <http://www.ihpcss.org/>
- **Workshops:** <https://events.prace-ri.eu/category/6/>
- **Video tutorials:** <http://www.training.prace-ri.eu/tutorials/index.html>
- **Training material:** <http://www.training.prace-ri.eu/material/index.html>
- Some links with industry through SHAPE projects.

#### **Status quo:**

- How to differentiate from eg HPC University (see later in this document for more details)? Eg more Europe-focused?

#### **Scope:**

- Whose courses will we list? Only in Europe?
- What to include, eg upcoming courses (face-to-face and online); links to material for self-learning, including course slides, video recordings, online tutorials, ...

#### **Encouraging use:**

- How to advertise existence of training portal?
- How do we ensure we are kept informed of courses to list? How proactive to be in seeking content?

## D5.3 (Training portal)

### Planned functionalities

- Simpler than the job portal:
  - Content generated/edited only by portal administrators
- Cataloguing courses and training providers (aggregation)
  - Links to training websites and training providers
  - Access to EXDCI HPC Training Roadmap
- Support for HPC training provider's forum/community
  - Methods: ? non-public forum, ? maintenance of a providers training catalogue

## D5.3 (Training portal)

### Planned functionalities

- Access by:
  - Administrators (EXDCI staff)
    - administration of web pages,
    - Maintenance of HPC training catalogue
  - Public (anonymous users)
    - browse catalogue
    - Search for courses or providers

- Structured links to training websites and training providers
- ? Structured storage and access (CMS) to PRACE training materials
- Support for HPC training providers' forum/community
  - Form of support will depend of the type of community (more/less formal, their activities)!

## D5.3 (Training portal) Web pages

- Main/welcome page
  - Layout: following the existing EXDCI style (training portal will be part of the EXDCI portal)
- Training course posting&editing
  - Access: administrators
  - Layout: data fields for e.g. provider, logo, course name, course type, description, key words, links
- Search/Browse
  - Layout: selection of providers, course type, free text search
- Course search results
  - Layout: list of courses with basic information (course name, provider, logo, description)

- What functionalities are expected by the partnership?
  - Should it also supersede the [PRACE training portal](#)?
    - Structured storage and access (CMS) to EXDCI/PRACE/ other partnership training materials
  - Should training providers be allowed to post and edit their course information or even content? How to motivate them to use EXDCI training portal?
  - What form of „ **establishment of a community** of training providers“ is best?
    - Like [EU clusters](#), or less formal? How can the portal support it?
    - A common news page? Common calendar of events? Online forum?
- Education training materials?