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## D4.6 Project Showcase

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## Change Log

<b>Version</b>	<b>Date</b>	<b>Amended by</b>	<b>Changes</b>
0.1	15/01/2018	Alexander Mikroyannidis	Version for internal review.
0.2	19/01/2018	Alexander Mikroyannidis	Revised version.
1.0	24/01/2018	Alexander Mikroyannidis	Final QA.

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## 1. Executive Summary

This deliverable presents the main components of the project showcase. The EDSA showcase brings together a selection of the most important outcomes of the project, thereby importance is understood in relation to the project's DoA, but also considering the impact of the artefact in the real world. As such, the EDSA showcase consists of components that are at the core of our work plan, but are also representative for the project in the data science community. The project website is the main component of the showcase and is available at <http://edsa-project.eu/>. All other components of the EDSA showcase are freely available online to view and download.



## 2. EDSA Showcase

The EDSA showcase brings together a selection of the most important outcomes of the project, consisting of components that are at the core of our work plan, but are also representative for the project in the data science community.

All parts of the showcase are freely available online to view and download. It is recommended to start with the project website, which can be used as a starting point to explore the content of the showcase and its main components.

The project website is hence the first component of the showcase. It is a key part of our online appearance and an important dissemination instrument. It is described in terms of functionality and impact in D4.1 (M1). The website is available at <http://edsa-project.eu/> (see Figure 1).

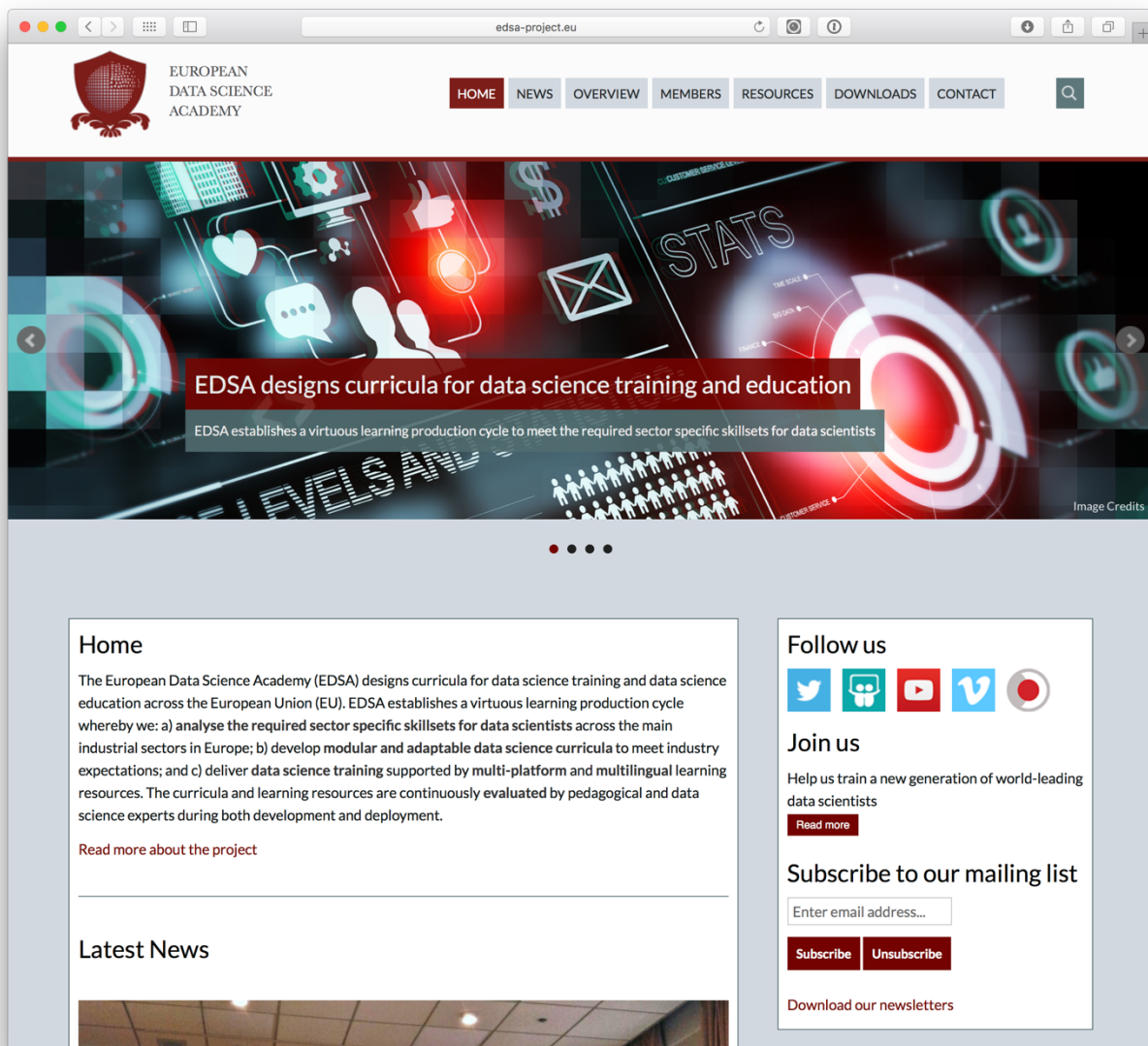


Figure 1: The EDSA website.

The second component of the showcase is the EDSA dashboard, which enables users to explore the current data science skills demand and supply. The EDSA dashboard is presented in detail in D1.5 (M36). The dashboard is available at <http://edsa-project.eu/resources/dashboard/> (see Figure 2).

The screenshot shows the EDSA dashboard at [edsa-project.eu/resources/dashboard/](http://edsa-project.eu/resources/dashboard/). The page features a navigation menu with links for HOME, NEWS, OVERVIEW, MEMBERS, RESOURCES (highlighted), DOWNLOADS, and CONTACT. A search bar is located below the navigation. A secondary navigation bar includes icons for LIST, SKILLS/TIMELINE, MAP, and COURSES.

**JOB LIST**  
 25814 JOBS FOUND OUT OF 4726920  
 TIME INTERVAL: 12/15/2017 - TODAY

**JAVA FULL-STACK ENGINEER, 80-100%**  
 Experis, Zürich, Switzerland  
 PUBLISHED ON JANUARY 14, 2018  
 DESCRIPTION  
 Java Full-Stack Engineer, 80-100%. Experis ist weltweit führend in der Rekrutierung von IT Mitarbeitern. Unsere Dienstleistungspalette umfasst die Suche... vor mehr als 1 Monat in onrecruit.eu

**OPERATION AND PROCESS ENGINEER**  
 CERN, Switzerland  
 PUBLISHED ON JANUARY 14, 2018  
 DESCRIPTION  
 Cern. Physics/Materials Science vor mehr als 1 Monat in myscience.ch

**COMPUTING ENGINEER (APPLICATIONS DEVICES)**  
 CERN, Switzerland  
 PUBLISHED ON JANUARY 14, 2018  
 computer science  
 DESCRIPTION  
 Cern. Computer Science/Telecom. Physics/Materials Science vor mehr als 1 Monat in myscience.ch

**FIBRE OPTICS ENGINEER**  
 CERN, Switzerland

**LEARNING PATHWAYS**  
 The learning pathway in showing the courses that will give you the skills related to the query.

PERSONALIZE YOUR PATHWAY

- Mathematics of computing
- Computing methodologies
- Big Data (Data Science) applications design
- Business Process Management

**COURSES**  
 The recommended courses provided by EDSA and other course providers.

- DATA SCIENCE MATH SKILLS
- OPEN DATA SCIENCE
- DATA SCIENTIST BASIC
- PROCESS MINING: DATA SCIENCE IN ACTION

**Figure 2: The EDSA dashboard.**

The EDSA curriculum comprises of 15 core data science topics that have been delivered by the project. The curriculum has been revised and updated throughout the duration of the project. The different versions of the curriculum have been documented in D2.1 (M6), D2.2 (M18) and D2.3 (M30). The EDSA curriculum is available at <http://edsa-project.eu/resources/curriculum/>.

The EDSA courses portfolio consists of a variety of data science courses, offered by renowned institutions both inside and outside the project consortium. These courses are available as:

- *Massive Open Online Courses (MOOCs)*: These are online courses aimed at unlimited participation and open access on the web. They are available on external MOOC platforms, including FutureLearn and Coursera.
- *Face-to-face courses*: These courses are taught face-to-face. Face-to-face learning (or in-person learning) is any form of instructional interaction that occurs “in person” and in real time between teachers and students or among colleagues and peers.
- *Online courses*: These courses are taught online via Learning Management Systems (LMSs) like Moodle or Sakai. A subset of these courses consists of self-study learning materials available as



Open Educational Resources (OERs), which learners can study at their own pace, as there is no predetermined start or end date.

- *Blended courses*: These courses are taught in a blended way (face-to-face and online). Blended learning is a formal education program in which a student learns at least in part through delivery of content and instruction via digital and online media with some element of student control over time, place, path, or pace.

The screenshot shows the EDSA online courses portal. The main navigation bar includes the European Data Science Academy logo and the text 'ONLINE COURSES'. A large banner image features a hand holding a compass against a sunset background, with the text 'Follow our learning pathways'. Below the banner, a welcome message states 'Welcome to the EDSA online courses portal' and provides a link to 'Learn more about EDSA'. The main content area is titled 'Find courses' and includes a search bar, filter options for Category, Level, Type, Sector, Institution, and Location, and a table of course counts. A sidebar on the right offers 'Learning pathways' and 'Latest courses'.

Category	Level	Type	Sector	Institution	Location
3 Blended	15 Advanced	14 Free	1 Construction	1 DCC	1 Croatia
20 Face-to-face	20 Basic	26 Paid	2 Energy	2 Duke Univ.	9 Germany
10 MOOC	5 Intermediate		1 Engineering	9 Fraunhofer	1 Greece
7 Online			3 Health	1 IEEEx	17 Online

**Figure 3: The EDSA courses portal.**

The EDSA courses are available via:

- The EDSA courses portal, which allows users to find data science courses based on a faceted search interface, as well as follow and personalise learning pathways. The EDSA courses portal has been presented in D2.4 (M12) and is available at <http://courses.edsa-project.eu> (see Figure 3).
- VideoLectures (<http://videolectures.net>), a free and open access educational video lectures repository, hosting lectures given by distinguished scholars and scientists at the most

important and prominent events, such as conferences, summer schools, workshops and science promotional events.

- Various MOOC platforms, including FutureLearn (<https://www.futurelearn.com>) and Coursera (<https://www.coursera.org>).

The EDSA values define the principles that the EDSA curriculum and courses adhere to. The EDSA values also comprise a set of best practices that can be used as guidelines generally for the development of online courseware. The EDSA values are available at <http://edsa-project.eu/overview/edsa-values/>.

The project has produced and curated a number of datasets, which are available to download from <http://edsa-project.eu/resources/datasets/>.

To promote its activities, the project has used a mixture of hosting platforms and social media channels, which together contribute to the online reputation of the project. These are:

- EDSA on Twitter: to build a community of followers interested in data science training: [http://www.twitter.com/edsa\\_project](http://www.twitter.com/edsa_project).
- EDSA on SlideShare: to publish slides content: <http://www.slideshare.net/edsa-project>.
- EDSA on YouTube & Vimeo: to publish video content, in particular webinar recordings and screencasts: [https://www.youtube.com/channel/UCPIH1fODzOjiYUZ0\\_C\\_ila](https://www.youtube.com/channel/UCPIH1fODzOjiYUZ0_C_ila) & <http://vimeo.com/edsa>.

