

ToR VATL portal

WP3

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WP3 group members

| No | Partner Institution | Name | Position |
|----|---------------------|------------------|--|
| 1 | BSU (group leader) | Pavel Solovyov | Associate Professor, Department of Communication Technologies |
| 2 | YSU | Artur Avagyan | Head of Laboratory of New Learning Technologies |
| 3 | GTU | Boris Gitolendia | Associate Professor, Faculty of Transportation & Mechanical Engineering, Project Manager |
| 4 | NPUA | Gevorg Margarov | Head of Information Security & Software Development Department |
| 5 | KU Leuven | Wim Van Petegem | Professor, Policy Advisor Learning Technologies, Faculty of Engineering Technology |

WP3 group members

| Ref No | Activity | Deliverable | Period |
|--------|---|---|-----------------|
| 3.1 | Defining functionalities and design of conceptual model for VATL portal (Imp.P1-P15) | ToR for VATL portal approved by PSC | 01 Mar – 15 May |
| 3.2 | Development and testing of ICT solutions/software for VATL (Imp.P1-P9) | Tested VATL portal software | 15 May – 15 Dec |
| 3.3 | Acquisition of software, hardware & studios for VATL support at PC HEIs (Imp.P1-P9) | 9 multimedia content building support studios | 01 Jun – 20 Dec |
| 3.4 | Development of procedures & guidelines for publishing OER content (Imp.P1-P10) | 1000 published VATL Manuals | 2019 |
| 3.5 | Training of TSDC's trainers on preparation of OER materials (Org.P11-P15 / Par.P1-P9) | 28 trained trainers on OERs | 2019 |
| 3.6 | Operationalization of VATL (I_P7) | Fully operational VATL portal | 2019 |



TOR for VATL PORTAL

<http://bit.ly/2JZkB6Q>



VATL Portal

- **Virtual Academy for Teaching and Learning (VATL) Portal** is a virtual platform for creating, using, promoting & disseminating innovative technology-enhanced T&L and the usage of Open Educational Resources (OERs).
- The **VATL Portal** supports a community of users from various countries of the world with offering access to teaching and learning materials, provides communication possibilities for discussing T&L strategies, approaches and tools with colleagues from other countries and functions as a sort of community for sharing teaching practices and experience among participants.
- The **VATL Portal** is also a collection open online T&L materials and teacher development services for use by Partner HEI, other universities, representing the academic community of the Eastern Partnership Region.

VATL Portal

Main functionalities of the VATL Portal are as follows:

1. Providing an online content building tool for creating online courses, OERs and personal instructional websites;
2. Acting as a repository for the above mentioned e-resources with the search functions;
3. Reviewing/ranking the e-resources by the users;
4. Creating communities of teaching practice and providing them with discussion forums;
5. Providing online teaching tools.

VATL Portal

Property rights

The VATL Portal is a shared information resource owned by the consortium of partner universities and is located on the web-servers of partner universities with 1 central web-page (located in the .edu or .am domain) and local web-pages on the servers of partner universities.



VATL Portal

Language support

The VATL Portal provides information content in English, Belarusian, Russian, Georgian and Armenian with a possibility of independent editing of all language versions.



VATL Portal

Software solution for VATL portal

Technology Approach



VATL Portal

The VATL Portal is a MooJoo software combination of 2 main technologies: **Joomla** Open Source Software for the central web-page and **Moodle** Learning Management System installations for local OERs of Partner Universities.

The **VATL Portal** consists of 2 blocks: **Portal Block** (based on Joomla) and **Course Building Block** (based on Moodle).



MooJooe = moodle + joomla

VATL Portal

Creation and online content building for online courses, OERs and personal instructional websites is implemented with a help of Moodle LMS – a free open-source learning management system that is used to create and manage courses, assess students, prepare practical training assignments, etc.

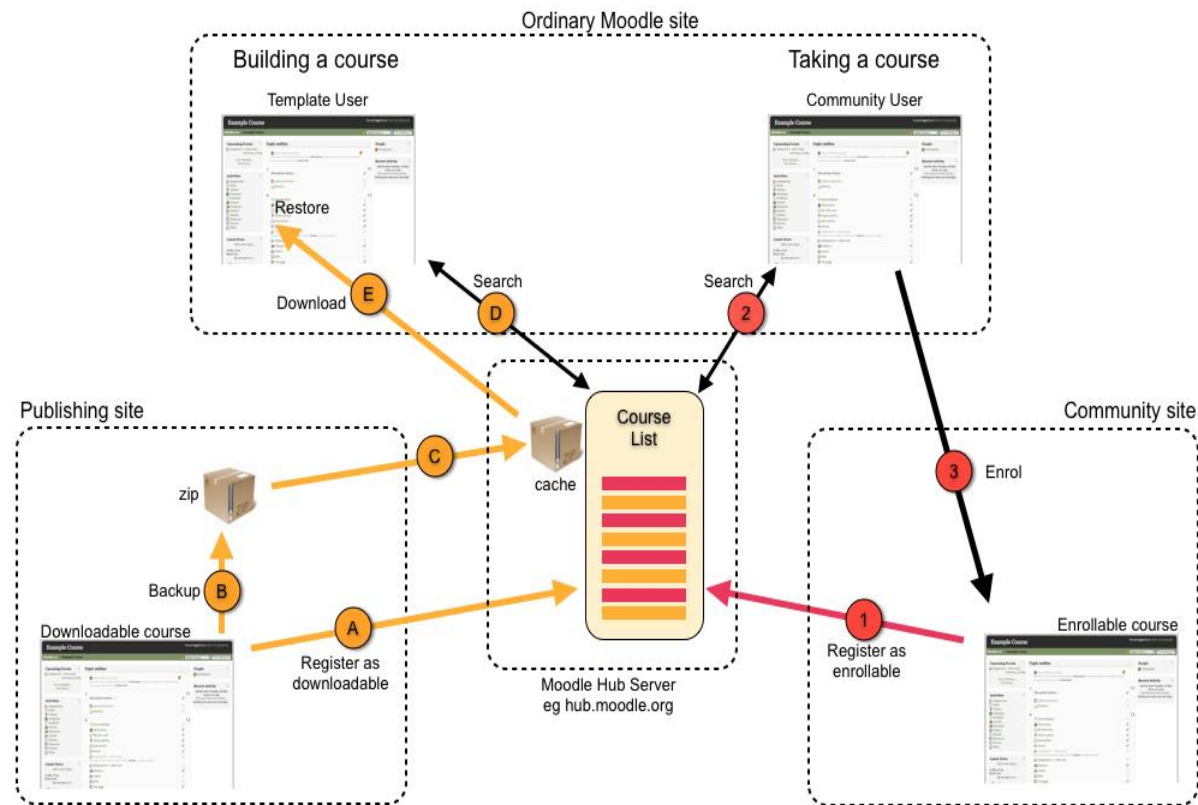
The VATL Portal based on LMS MOODLE could be hosted on the number of servers — at least 1 per each Partner Country with a possibility to adapt all courses to exact requirements and course structure of each Partner University.



VATL Portal

Coordination of local OERs is implemented with a help of MNet — a technology that enables both to access the core content and create own national content with a possibility for placing the OER on the local web-server of the Partner Institution for keeping all property rights.

It is also possible to connect other types of proprietary LMSs used in Partner Universities (i.e. Blackboard, Google Education, etc.).



VATL Portal

Top-level menu:

1. Information (about VATL)
2. News and Info
3. T&L Hub (methods of teaching, online pedagogy, etc.)
4. Technology Hub (Online tools and learning technologies, technology support)
5. Resources Hub (Collection of materials)
6. Communities (Community for teachers, community for course builders, community for technology support, community for administrators, etc.)
7. Contacts
8. VATL.Net Global Course Search



VATL Portal

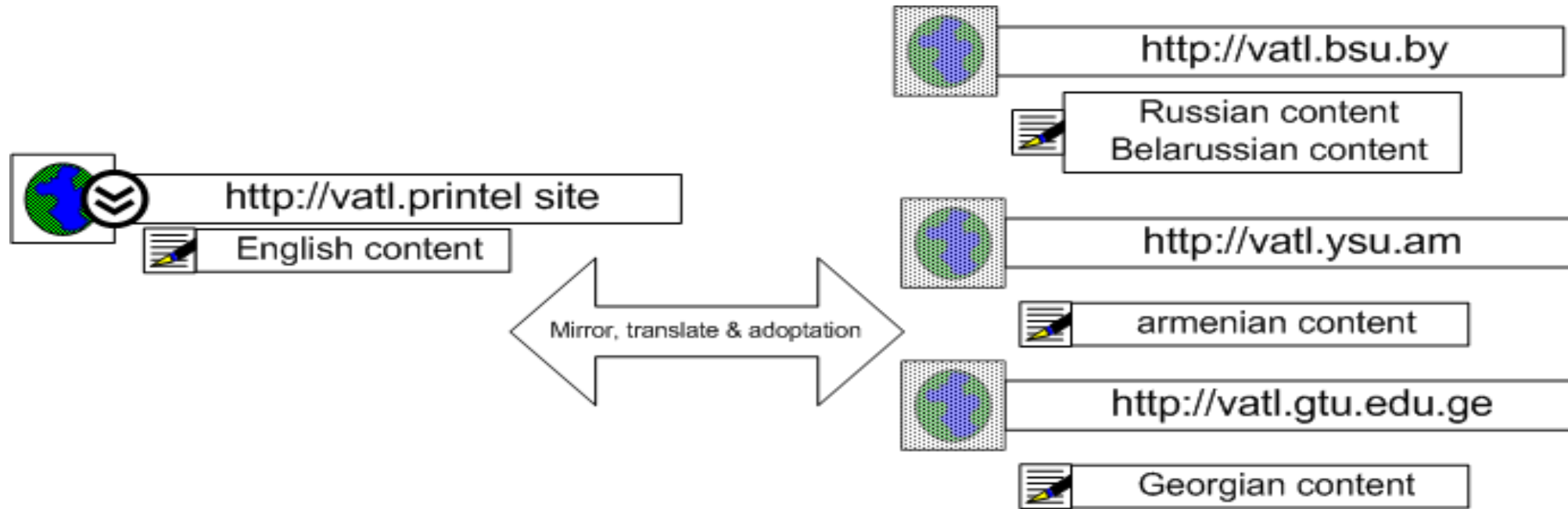
Interactive and cooperation functions to be implemented within the VATL Portal:

1. Online Calendar for upcoming events within the VATL
2. News Sharing Possibility
3. Social Media Integration (Facebook, LinkedIn, Twitter, etc.)
4. Discussion Forums
5. Design adaptable to smartphones and tablets
6. The ability to integrate with existing Student Information Systems (SIS)/Education Information Management Systems (EMIS);
7. Suite of supports (hosting the course, course design, help with upgrades, etc.);
8. Special features (e.g., Blackboard's suite of applications; Moodle's filtering system; D2L's portfolio feature).

Course Building Functions

1. Create an online learning material (a set of materials)
2. Create an entire online learning course (MOOC, self-standing course, supporting course, etc.)
3. Create materials for blended learning courses
4. Upload a video course of lectures with supporting materials and assignments
5. Create interactive courses with integration of other technologies and tools.
6. VR & AR – Toolkit for teachers, Virtual tour editor & hotspots.

VATL Portal



The main web-page contains content and courses T&L courses developed in the English language. National versions of the VATL Portal contain localized content with adaptation for each particular country and its system of education (Russian – BSU, Armenian – YSU, Georgian – TSU).

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