

Progress on the Platform



This page is not up-to-date.

The list of available services can be found in [Domain name conventions](#). Statuses of incoming changes are tracked in Trello.

✘ - not started

⚠ - on-going

✔ - done

Topic	Current status	Owner / coordination	Sub tasks / functional requirements	Developers (team)	Notes	Status in TEST https://learn.test.up2university.eu/	Status in PRODUCTION https://learn.up2university.eu/
0. Learning platform	<i>Currently Moodle 3.2 in production and test</i>	Allan (WP4)	Upgrade needed to Moodle 3.3	Allan, Michal	Upgrade needed in production	✔ Moodle 3.3	⚠ Moodle 3.2
			Customization should be portable	Allan, Michal	Need someone to understand how to make design elements portable. MULTI-LANGUAGE SUPPORT IS A MUST	⚠	
			More custom themes for K12 education scenarios (easier, simpler interface, look&feel)	Nelson	Basic Up2U branded theme is in PROD. Other themes can be tried in TEST How about portability of the branded theme?	⚠	✔ Up2U Brand
			Sending e-mails from Moodle	Peter	Provide SMTP. Currently Moodle (and other services) is unable to send e-mails.	⚠	⚠
			Look into other LMS platform alternatives	Vicente, Peter	OpenEdX (TELTEK) https://openedx-up2u.teltek.es/ Canvas (SURFnet, NORDUnet)	✔ at TELTEK	
			Integration with GWDG SSO	Allan, Ralph	Customization needed for user log-in view https://github.com/up2university/docker-moodle/issues/24	⚠	✘
1.AAI integration	<i>Currently GÉANT SP Proxy in production and GWDG SP Proxy in test</i>	Allan (WP4) also WP6	GÉANT SP Proxy integration, eduGAIN and Social Networks	Allan, Dick	In PROD. https://login.terena.org/wayf/module.php To be staged out as soon as the GWDG SP is working fine.	n/a	✔ GÉANT SP
			Testing the GWDG solution for non-federated user	Ralph	Working in test, Ralph debugging... https://sso.up2university.eu/ Social network access must be provided before migrating to PROD Redesign of the registration portal... Development/debugging status unknown ⚠ Ralph? Documentation for service providers: https://github.com/up2university/single-sign-on/blob/master/services.md	✔ GWDG SP	⚠
			Investigating an IdP in the cloud solution	Misi (GARR)	Depending on the eduTEAMS pilot outcome. Is this task suspended for the moment?	✘	
			Looking into the brand new GÉANT eduTEAMS (that's supposed to solve both AuthN and AuthZ in a longer term)	Peter	Pilot engagement with eduTEAMS: Mandep at GÉANT Niels at SURFnet	⚠	
2.Group management (Authorization)	<i>Currently handled in Moodle Plan to go to eduTEAMS</i>	Allan (WP4) also WP6	Test how Moodle handles groups, enrollments, and rights	Nadav, Allan	Testing...	⚠	⚠
			Moodle must share authorization information through a web service (API)	Nadav, Allan		✘	✘
			Look into Grouper, CoManage (eduTEAMS is using CoManage)	Ralph, Peter	Option 1: Grouper to Moodle Option 2: CoManage (aka. eduTEAMS Hub) Both should be investigated and tested before we decide!	✘	

			OAuth/CoManage integration with Moodle and all the potential LTI tools.	Ralph				
3.ownCloud sync&share	<i>already working at Uni Munster</i>	Ilias (WP3)	FSS personal folder integration with Moodle	Allan	Integrate FSSs with Moodle: https://oc.test.up2university.eu https://cernbox.test.up2university.eu/ Instructions: https://github.com/learnweb/moodle-repository_owncloud#installation			
			Integrate Münster plugin with Moodle					
			Setup ownCloud instance	Ralph	Test instance at GWDG: https://oc.test.up2university.eu We wait with setting up a production instance until we have an authorization service.			
			Setup CERNBox instance	Michal, Enrio	Test instance at PSNC: https://cernbox.test.up2university.eu/ TODO: integrate with GWDG SSO			
			OAuth solution	Ralph Misi	<i>what is it about?</i>			
			Exploit Open Cloud Mesh API to federate local ownCloud instances	Kuba, Ralph	Engagement with the Sciebo/UniMünster people on OCM <i>Small GÉANT project for the CERNBox-OCM compliance development.</i>			
4.eduOER integration	<i>Currently working the Moodle File Picker with the GÉANT eduOER referatory via the PuMuKIT plug-in</i>	Ilias (WP3)	What to do with non-multimedia content. How to represent those OERs in Moodle. <ul style="list-style-type: none"> • PDF viewer • Image viewre • Etc. 	Vicente, Ilias, Kostas				
			DSpace Up2U LOM-compliant repository	Kostas	Running at https://oer.up2university.eu/dspace/ TODO to be moved to repo subdomain			
			eduOER repositories: harvesting, filtering, API Two eduOER instances: <ol style="list-style-type: none"> 1. GÉANT eduOER instance for HiEd Multimedia 2. Up2U eduOER instance for Schools OER 	Kostas, Ilias	Both eduOER instances should be hooked up with Moodle via the PuMuKIT interface. Up2U web portal (connected to both HE and K12 end points) is staging at https://snf-683722.vm.okeanos.gmet.gr Procedure to connect new repositories... Should be running at https://eduoer.up2university.eu/	eduOER		
5. Learning Analytics	<i>LRS is coming up at PSNC</i>	Michal (WP4) also WP5	Learning Record Store setup	Michal	LRS (xAPI) is available for testing at https://lrs.test.up2university.eu/ We wait with setting up a production instance until we have an authorization service.	Learning Locker		
			Moodle integration	Allan	Moodle plugin to be set up (https://trello.com/c/9paRqBAC) Anonymisation of the username in learning records (details on Trello)			
			Data analytics and representation Iframe back to Moodle	Allan, Marco, Stefano, Michal, Nadav				

			<p>And after this very interesting meeting we (TELTEK) will be more than happy to:</p> <ol style="list-style-type: none"> 1. Explore the possibilities of JWPlayer (the eduOER player) to export xAPI to MOODLE and the LRS 2. Explore the complexity of upgrading Paella-Player (the Opencast dual video player) so it can export xAPI data, and not only the proprietary "usertracking" Opencast data 	<p>Vicente TELTEK team</p>	<p>We think that 1 and 2 may be doable but, to work on it, a xAPI infrastructure will be needed, at least in the Up2U staging platform. (MOODLE xAPI plugin + Learning Locker).</p> <p>Current status:</p> <ul style="list-style-type: none"> • A first implementation of a xAPI plugin for Paella-player have been developed and connected to a Learning Locker LRS, the full setup is being tested by our QA people. • We plan to make this tested available online very soon. • We implemented the current xAPI-video-core. This "collection of video-events" was written with regular single-stream videos in mind. It do not include multi-stream related events like name of multiple video tracks, it's size, position, etc... . We are now working together with the xAPI-video community to extend the xAPI-video-core to multi-stream. <p>Next steps ideas:</p> <ul style="list-style-type: none"> • Our proposal is to upgrade the Up2U-eduOER player from the current JWPlayer to the new xAPI ready Paella-player. That way we will be able to record anonymous xAPI-video events, from any one using the Up2U-eduOER portal or the MOODLE integration. • After that we will improve the eduOER MOODLE integration (PuMuKIT-MOODLE plugin) to forward the identity of the MOODLE user to the Paella-player. That way the xAPI-video info, forwarded to the LRS, will include user-ID and be non-anonymous finally. • Explore what can be done with the video-related data stored in the LRS. 			
			Badges, Open Badges, blockchain	Allan				
<h2>6.Tool integration</h2>	<p>Currently working SeLCont via LTI</p> <p>Pipeline:</p> <ul style="list-style-type: none"> • Social tools by Commons paces. • Integration of Wordpress Blog to share user experiences. • Third party tools like TELTEK Easy Recording. • Other cloud-tools: Google Docs, Skype, etc... • H5P tools by Eli 	<p>Allan (WP4) also WP5</p>	SeLCont LTI integration	Mary, Dimitris	<p>Need info about the demonstration at eTwinning...</p> <p>http://selcont.test.up2university.eu/</p>	<p>re-integrate what's the current status ?</p>		
			eduOER via PuMuKIT pop-up	Vicente, Ilias	<p>Done and demonstrated at eTwinning</p> <p>To be migrated to the production Moodle...</p>	 PuMuKIT		
			Filepicker alternative with PuMukit					
			Should be migrated to production.					
			Personal Recorder - 3rd Party tool	Vicente	To be integrated as a 3rd party tool - WP8 pilot !!!			
			SWAN-Moodle LTI integration needs to be investigated.	Kuba, Enrico	<p>CERN (Kuba and Enrico) on SWAN options.</p> <p>https://swan.test.up2university.eu/</p>			
			SlideWiki	Allan	Looking into...			
		WebTUT integration	Rui, Nelson, Peter, Michal	<p>Both parts of the service are available on FCCN's GIT repository:</p> <p>https://gitlab.fccn.pt/sa8-webrtc/webtut-fronted</p> <p>https://gitlab.fccn.pt/sa8-webrtc/webtut-signal-backend</p> <p>TEST HERE</p> <p>https://webrtc.uninett.no/webtut/home</p> <p>ALSO HERE</p> <p>https://webrtc-hub.fccn.pt/webtut/home#</p> <p>Currently sharing sources to be published to GitHub and deployed at PSNC</p>				

			WebRTC integration into Moodle	Misi, Michal, Peter	Better user experience with Knockplop needs development. It requires an additional plugin in Chrome to enable screen sharing. Up2U instance: https://vc.test.up2university.eu/ Integrated to test Moodle.	✔ Knockplop	⚠
			CommonSpaces integration	Stefano Giovanni	Shouldn't be difficult to send the activity records from CommonSpaces to a LRS such as the Learning Locker of Up2U: I already tested a Python xAPI driver with an ad-hoc installation of the ADL reference implementation of the xAPI LRS and with the WAX LRS (Saltbox).	✘	
			H5P Project tools	Eli, Nadav	Very promising first call with the H5P CEO on 17 October. Agreement to try and implement H5P framework in Up2U. Here is a link to H5P Moodle module, on Moodle org plugins repository: https://moodle.org/plugins/mod_hvp Or on H5P own github: https://github.com/h5p/h5p-moodle-plugin	⚠	
7.Mobile applications	<i>Simple auto-generated app for Android</i>	Michal (new) ⚠	We need custom Android and iOS apps. Moodle . Mobile works for Android but the access needs to be allowed on the server side. Investigate how to provide mobile apps easily.	Allan, Michal	Peter auto-generated a mobile app from the WordPress website. It works with Moodle in browser too.	⚠	
8.Other requirements	<i>Single server installation</i> <i>Test and production instances</i>	Michal (WP7)	Other requirements to consider, especially high-availability and scalability. Before we go to schools, we shall ensure that each of our installations is highly-available and has no single point of failure. Load-balanceer, redundant front-end.... Need an architecture design!	Nadav, Michal	Deployment issues - Reliability and scalability! Document the infrastructure!	⚠	⚠
			DOCUMENTATION	Vacancy	Someone to coordinate all the documentations, software, infrastructure, procedures, etc...	✘	
			Quality Control	Michal		⚠	⚠
			Risk Register	Andrea and GARR team	Risks must be defined and RR maintained Trello or Gogole Sheet???	⚠ Trello & Google Sheet	⚠