Proposal OE Global 2021
Extended Abstract

Using H5P creating high quality OER
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This interactive activity aims to engage the global open education community in producing rich internet content OER. After taking part in this session, each participant will have a general understanding of an open source tool for creating high quality OER, and will also be able to produce content by themselves.

H5P (html5 package) is a standardised format for packaging and sharing rich internet content. The H5P techonology is open source, and allows for the creation of high quality, versatile learning resources, which can easily be shared and reused. Its built-in support for Creative Commons licenses makes it even more attractive for OER.

NDLA has for many years been contributing to the development of H5P. In recent years we have funded the development of VR 360, general support for translation and improved licence declaration for H5P. In addition we have actively suggested improvements of usability in design and navigation for H5Ps to adhere to stronger legal requirements in Norway. NDLA has many years of experience from producing, sharing and maintaining a large repository of content items.

H5P is suitable for step-by-step learning and for explorative learning, and is for instance especially suitable for language learning, allowing for successful scaffolding and contextualization of authentic materials and experiences. Examples of content types used in this respect are Dialog Cards, Drag and Drop, Drag the Words, Fill in the Blanks, Single Choice Set, Course Presentation and Interactive Video.

NDLA has recently developed several new content types together with a third party provider, focusing on reflection and argumentation. These content types might inspire even more activity on part of the learners. Essay is one of these content types, which allows for the teacher to give instant feedback to the text the students are asked to compose, by defining keywords that will trigger individual responses, depending on their existence or not in the text. This is a content type that might inspire creativity among students.

In this interactive activity session we will give a short overall introduction to H5P and some of the content types available, like Interactive Video and Course Presentation, with examples from our own production. Then we will show the use of one of the reflection/argumentation content types. The content type "Priority" allows students to organise predefined arguments into a prioritised sequence, fill in their own, and deliberate on the choices they have made. This is an easy-to-make content type, with no need for design skills or the use of other media, like pictures, audio or video. Thus, it is suitable for the beginner as an easy start to H5Ps, and at the same time, the participants in this session will learn to create content that triggers creativity, and inspires students to reflection and critical thinking.

This will be a hands-on, practical session, which will give the participants the knowledge needed for producing interactive content in H5P on their own. Hopefully, mastering one content type will inspire the exploration of several other types. We believe that H5P may be a very useful tool for creation of rich internet content which might be openly shared, modified and reused. As such, it has the potential to bring quality to and strengthen the spread of OER.