



INDieOpen (<https://indieopen.upct.es/explore>) is a platform for teachers which includes an authoring tool for the creation of rich, interactive online learning units and a learning path editor to build courses by specifying sequencing criteria for the units.

It is also a repository of Open Educational Resources, where the created units and courses can be published and shared with other teachers.

INDieOpen provides teachers with the opportunity to easily create rich and interactive digital learning content or reuse, and possibly modify, learning units shared by other authors on INDieOpen. This enables them to carefully design learning material which supports their strategies of implementing personalized learning and fostering students' engagement. The units and courses on INDieOpen can be linked from any LTI compliant e-learning platform or application, which makes them suitable to be used as part of a teacher's toolkit.

Furthermore, the learning path editor allows teachers to create several possible sequences of learning units, specifying the criteria to progress to the following unit or to take a different path to reinforce concepts. The criterion can be merely sequential, which means that after completing one unit the next unit is open, resulting in a straight path, or it can be conditional, based on the score obtained in the unit being worked on. Conditional sequencing allows for different paths to be opened depending on students' acquisition of competences, by, for example, directing them to reinforcement units.

For any linked course, students' interaction data are registered following the IMS Caliper standard, and a learning analytics dashboard is made available to teachers. This allows them to monitor the interaction of their classes with the course material (time spent, completion of objectives, etc.) and check their students' engagement and the effectiveness of the pedagogic method. Students also have access to their own Learning Analytics data to encourage autonomous learning.

INDieOpen was developed within the Erasmus+ project INDIE, cofounded by the European Commission with 11 partners from three countries. Within the network, a total of six schools and two universities are currently using it to create digital content, and the produced resources have been particularly valuable during the pandemic lockdown. The Universidad Politécnica de Cartagena also uses INDieOpen to produce online courses for the professional development of their staff.

All INDIE partners share a vision of education where collaboration, sharing, open educational resources, and innovation are keys to a better learning experience. They are strongly committed to an inclusive and universal education where the positive impact of technology reaches everyone. A new Erasmus + project has been created involving partners with years of expertise in education for students with disabilities to ensure the accessibility of INDieOpen generated learning units: INDIE4All is the future of INDIE.