

EKFI – Exchange Knowledge for Future Innovation

Intake application on learning & research material, focused on the content of the application based on the EQF recommendation

May 2019, Athens



Lifelong learning

- The basic premise of **Lifelong Learning** is that it is not feasible to equip learners at school, with all the knowledge and skills they need to prosper throughout their life.
- **Lifelong Learning** is also primarily collaborative rather than competitive.



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Learning Outcomes

- A set of **knowledge, skills, and competencies** an individual has acquired and can demonstrate after completion of a learning process, either formal, non-formal or informal.
- The term can also be defined as **statements** of what a learner knows, understands and can do on completion of a learning process, which is defined in terms of knowledge, skills, and competence



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Competences

- the ability to apply **learning outcomes** adequately in a defined context (education, work, personal or professional development)

or

- the ability to use **knowledge, skills and personal**, social and/or methodological abilities, in work or study situations and professional and personal development



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Intake application

- The main challenge of the Intake application is to **secure and maintain** the quality of the learning/research material to fulfill the requirements stated previously.

Therefore, **quality criteria and quality management** should be further examined.



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Metadata

The intake application should be developed using **blended scenarios with metadata**. In this way the data entered will be predefined and quickly evaluated.

The diagram illustrates a metadata intake form with the following sections and callouts:

- Text field:** Points to the 'First Name' and 'Last Name' input boxes.
- drop-down:** Points to the 'Type of material' dropdown menu.
- radio buttons:** Points to the 'File type (check one)' section, which includes radio buttons for Doc, Pdf, Ppt, Zip, and Avt.
- check boxes:** Points to the 'Target Group (check all that apply)' section, which includes checkboxes for Teacher, Student, Professional, Academic, and Individual.
- form button:** Points to the 'Submit' button at the bottom of the form.
- text area:** Points to the 'Abstract:' text area.

The form fields include: First Name, Last Name, Address #1, Address #2, City, State, Country, Type of material, Title, Editor / Editors, File type (check one), Target Group (check all that apply), Abstract, Submit, and Cancel.

Metadata

This particular method creates **custom scenarios using a modular answer system** but also gives additional information on the content. The evaluators will then quickly evaluate the scenarios, as the information is already predefined, and then at a second level they can decide if the material is suitable or not.

The scoring of the metadata can also be pre-defined. If we have implemented the keywords and predefined the scoring table of the metadata, it will be **easier** for the search robot to find matching results.

Thus, meta keywords and metadata together combined will provide the search robot a more natural way to search.



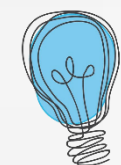
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Metadata

The design of the thematic fields should take into account issues such as different roles, pedagogical goals, general learning attributes and defines metadata as an element of the EML (Educational Modeling Language) modeling language through which reference can be made in learning objects

METADATA		TYPE
1.	Title	Text field
1.	Learning Outcomes (knowledge)	Drop down list including text field More
1.	Target Group	Text area
1.	Type	Drop down list
1.	Skills	Drop down list including text field More
1.	Abstract	Text area
1.	Estimated Study Time	Text field
1.	Required Software	Text field
1.	Distant Education	Yes/No
1.	Teacher Oriented	Yes/No
1.	Origin	Drop down list
1.	Extended Description	Text area
1.	Included Exercises	Yes/No
1.	Bibliography	Text area
1.	Editor / Editors	Text field
1.	Competencies	Drop down list including text field More
1.	Copyright	Yes/No
1.	Type Of File	Drop down list
1.	Size Of File	Text field
1.	Includes Subfiles (zip)	Yes/No



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Metadata

Title: this field will introduce the title of the material in a free text format but within a certain number of characters. The data contained in this field will be included as keywords in the search form.

Learning Outcomes: the user will be able to choose from a list of predefined options related to the eight levels defined by the EQF. For ease of use, the titles of each level, will not appear as options, but their content (e.g., basic general knowledge). This will make filling easier as there will be an explanatory text. If the user wants to add something extra, there will be a free text field (More) to enter more information. The data contained in these fields will be included as keywords (or list option) in the search form.

Target Group: in this field, users will complement the target groups in which the learning material can be used. The field will be a free text type, but help text will also be provided (via link) so that users know what they can fill in. The data contained in this field will be included as keywords in the search form.



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Abstract: in this field, users will fill out a summary text about the content of the uploaded material. This particular field will have a free text format, but a certain number of characters will be allowed. The data contained in this field will be included as keywords in the search form.

Estimated Study Time: in this field, users will fill in the required amount of time for a learner to study the material. The data contained in this field will be included as keywords in the search form.

Required Software: in this field, users will complete the details of the software programs necessary for the study of the learning material. The data contained in this field will be included as keywords in the search form.

Distant Education: in this field, users will choose whether the learning material meets the requirements of distant education. An explanatory text will also be provided (via link) so that users know what to choose. The data contained in this field will be included as an option in the search form.

Teacher Oriented: in this field, users will choose whether this training material is intended for use by teachers or not. An explanatory text will also be provided (via link) so that users know what to choose. The data contained in this field will be included as an option in the search form.



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Origin: in this field, users will select from the list of predefined options the country from which the material originates. The data contained in this field will be included as an option in the search form.

Extended Description: in this free text field, users will enter a detailed description of the material uploaded to the platform. The data contained in this field will be included as keywords in the search form.

Bibliography: In this field, users will fill in information about the bibliography of the learning material. The field type will be free text as there will be no specific text input format. The data contained in this field will be included as keywords in the search form.

Author/Authors: in this field, users will fill in information about the authors of the learning material. The data contained in this field will be included as keywords in the search form.

Competencies: the user will be able to choose from a list of predefined options related to the eight levels defined by the EQF. For ease of use, the titles of each level, will not appear as options, but their content (e.g., work or study under supervision in a structured context). This will make filling easier as there will be an explanatory text. If the user wants to add something extra, there will be a free text field (More) to enter more information. The data contained in these fields will be included as keywords (or list option) in the search form.



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Metadata

Copyright: in this field, users will choose whether the educational material is copyrighted or not. The data contained in this field will be included as an option in the search form.

Type of File: the user will be able to choose from a list of predefined options related to the type of the file including paper, video/webinar, game/simulation, powerpoint, pdf, facilitator guide/teacher's guide, syllabus. The data contained in this field will be included as an option in the search form.

Size of File: in this field, users will enter the exact size of the file they have uploaded. The data contained in this field will be included as keywords in the search form.

Includes Subfiles: in this field, users will choose whether the file they uploaded contains more files (in case the file is zip). The data contained in this field will be included as an option in the search form.



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Evaluation of (Learning) Material

- After completing the form, the data will be forwarded to a team of users to evaluate. Through the method of completing metadata in the form, there will already be a first level of grading, therefore the rest of evaluation will be faster.
- In the backend, it will be possible to add scores for each metadata as well as its subcategories.
- After the users evaluate the content of the material and either confirm the original score or re-evaluate, a new list will be created containing their materials and rankings. Materials with low score will be discarded, and users who have uploaded them to the platform will automatically be notified (with or without feedback).
- These users will then be able to download the material again by choosing the right metadata options or uploading new material that meets the specifications.