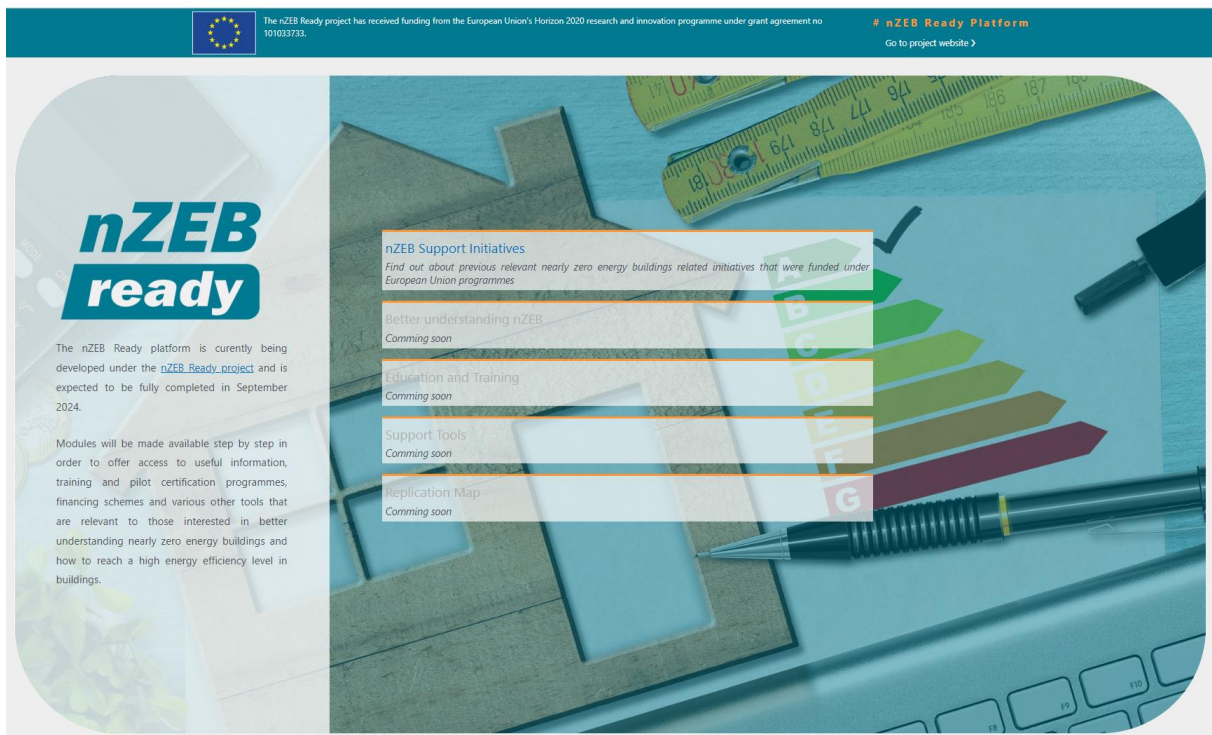


D2.4 nZEB Ready Platform Module 1: nZEB e- library



The screenshot shows the nZEB Ready Platform website. At the top, there is a blue header with the European Union flag, the text "The nZEB Ready project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement no 101033733.", and the hashtag "# nZEB Ready Platform" with a link "Go to project website >".

The main content area features the "nZEB ready" logo on the left. Below the logo, there is a paragraph: "The nZEB Ready platform is currently being developed under the [nZEB Ready project](#) and is expected to be fully completed in September 2024."

Below this paragraph, there is another paragraph: "Modules will be made available step by step in order to offer access to useful information, training and pilot certification programmes, financing schemes and various other tools that are relevant to those interested in better understanding nearly zero energy buildings and how to reach a high energy efficiency level in buildings."

On the right side of the main content area, there is a list of modules, each with a colored arrow pointing right and the text "Coming soon":

- nZEB Support Initiatives
Find out about previous relevant nearly zero energy buildings related initiatives that were funded under European Union programmes
- Better understanding nZEB
Coming soon
- Education and Training
Coming soon
- Support Tools
Coming soon
- Replication Map
Coming soon



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101033733.

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1. Executive summary

This report shows the properties of the Module 1 of the nZEB Ready Knowledge Platform. The nZEB Ready Knowledge Platform is an all-in-one knowledge hub that serves the nZEB market stakeholders with easy access to wide range of educational and learning materials. The platform is composed of five modules, that will be developed and launched throughout the nZEB Ready project progress, until September 2024:

- Module 1: nZEB support initiatives
- Module 2: Educational and awareness raising content
- Module 3: Training and certification
- Module 4: nZEB info point
- Module 5: Further initiatives

The *Module 1: nZEB support initiatives* is dedicated to the presentation of the previous nZEB support initiatives and their outcomes. It is an online repository with two types of materials: previous initiatives, and their outcomes. In total, the database consists at this time of 19 bibliographical notes of previous initiatives, and 43 linked outcomes, with possibility to expand the information with further initiatives and additional information. Thanks to the searching machine, users can filter the database to find relevant materials. The nZEB Ready Knowledge Platform is available at the following address: <https://platform.nzebready.eu>. It is an open platform, with no access restrictions for users (no registration is required).

1. Introduction

Although the legal obligation of introducing the concept of nearly zero energy buildings (nZEB) to national legislation of the EU Member States has been set in the Energy Performance Directive in 2010 (2010/31/EU), even in 2021 many EU countries are facing with challenges related to its deployment and increasing the share of highly energy efficient buildings in the building stock. Among many barriers, the most important is considered to be the knowledge gap of the workforce implementing the nZEB on-site: architects, engineers, blue collars, and energy auditors, and also a low awareness level of end-users: private investors, public authorities, developers. Current qualification courses and training schemes are not satisfactory and underdeveloped to face the challenge of effective nZEB implementation, while the recourse to skilled professionals for renovations and new constructions of buildings is not a usual practice.

nZEB Ready addresses these challenges by stimulating the demand for energy-related skills of construction workers and specialists in the pilot countries (Bulgaria, Croatia, Poland, Portugal, and Romania) and beyond. Our aim is to increase the market readiness for an effective nZEB implementation. This is done:

- by addressing the key identified barriers of nZEB implementation in focused markets,
- by supporting the enhancement of skills framework by new market driven mutual recognition training and certification scheme for nZEB deployment that will facilitate the necessary legislative changes,
- through development and communication of toolboxes, tailored guidance and practical support to engage homeowners and public authorities to reach the nZEB benefits.

This document is a part of the first set of activities within the nZEB Ready project focused on addressing the previous awareness initiatives and professional trainings that have proven to work for reinforcing the links between skills/education and energy performance of nZEB construction, which bridges what is already known and what should be done to boost the nZEB market. The aim of this report is to present the first module of the nZEB Ready Knowledge Platform, dedicated to previous initiatives and their outputs. Based on the results of the report on *Benchmarking analysis of previous initiatives*, an online repository of relevant outputs of previous initiatives dealing with awareness increasing and providing professional training courses and materials on various aspects of nZEB was created. The main objective of Module 1 of the nZEB Ready Knowledge Platform is to provide the nZEB market stakeholders a comprehensive overview of the most relevant and valuable learning materials, covering various aspects of the energy efficient and nearly-zero energy buildings.

2. nZEB Ready Knowledge Platform – Module 1

2.1. Overall structure of the nZEB Knowledge Platform

The nZEB Ready Knowledge Platform is an all-in-one knowledge hub that serves the nZEB market stakeholders with easy access to wide range of educational and learning materials. The platform is composed of five modules (Figure 1):

- Module 1: nZEB support initiatives (D2.4)
- Module 2: Educational and awareness raising content (D3.5)
- Module 3: Training and certification (D4.3)
- Module 4: nZEB info point (D5.3)
- Module 5: Further initiatives (D6.3)

Each module is developed under specific set of activities planned within the nZEB Ready project and will be launched throughout the project progress, until September 2024. They focus on various aspects related to the nZEB deployment in the EU: information on previous nZEB initiatives and their learning outcomes; content for creating and developing awareness raising materials, tailored on different target groups of stakeholders; content dedicated to continuous learning, training and mutually recognized certification programs; specific documentation, nZEB projects support tools, access to contractors with nZEB Ready certified personnel, nZEB bank products and financial schemes; information on designing and implementing nZEB Ready platforms in the future. The list of potential users of the platform, for which there are dedicated materials published, include: building owners and investors; construction workers; experts, designers, and auditors; financial institutions; knowledge providers; NGOs and civil groups; producers and suppliers; public authorities; real estate; students.

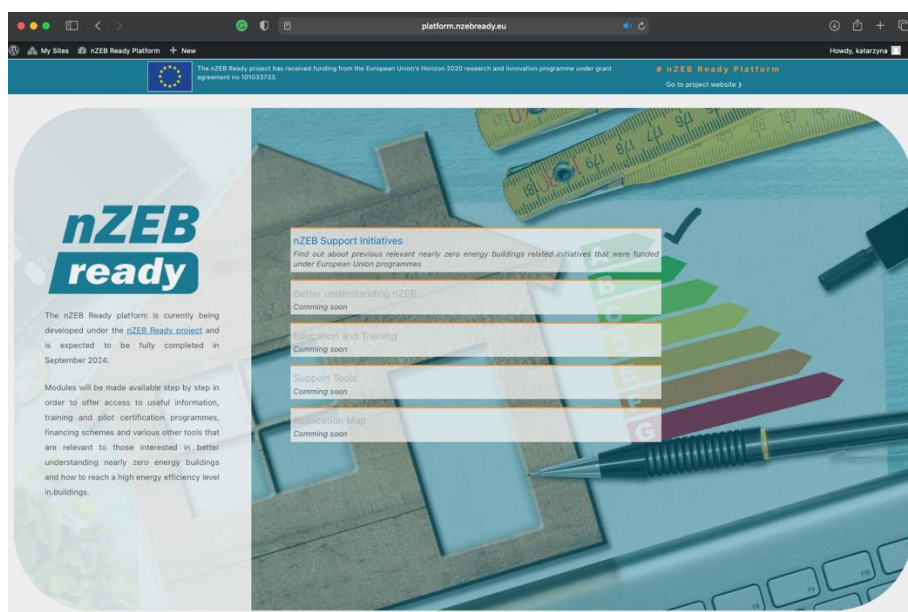


Figure 1 Home page of the nZEB Ready Knowledge Platform

2.2. Structure of the Module 1

The *Module 1: nZEB support initiatives* of the nZEB Ready Knowledge Platform is dedicated to the presentation of the previous nZEB support initiatives and their outcomes. It is an online repository with two types of materials: previous initiatives, and their outcomes. The user has four options for searching (Figure 2):

- (1) By entering keywords;
- (2) By filtering by pre-defined categories: output type, language, and initiative funding programme;
- (3) By browsing short bios of the collected materials;
- (4) By selecting a target group they belong to – as a result, materials from all modules dedicated to this group will be filtered.

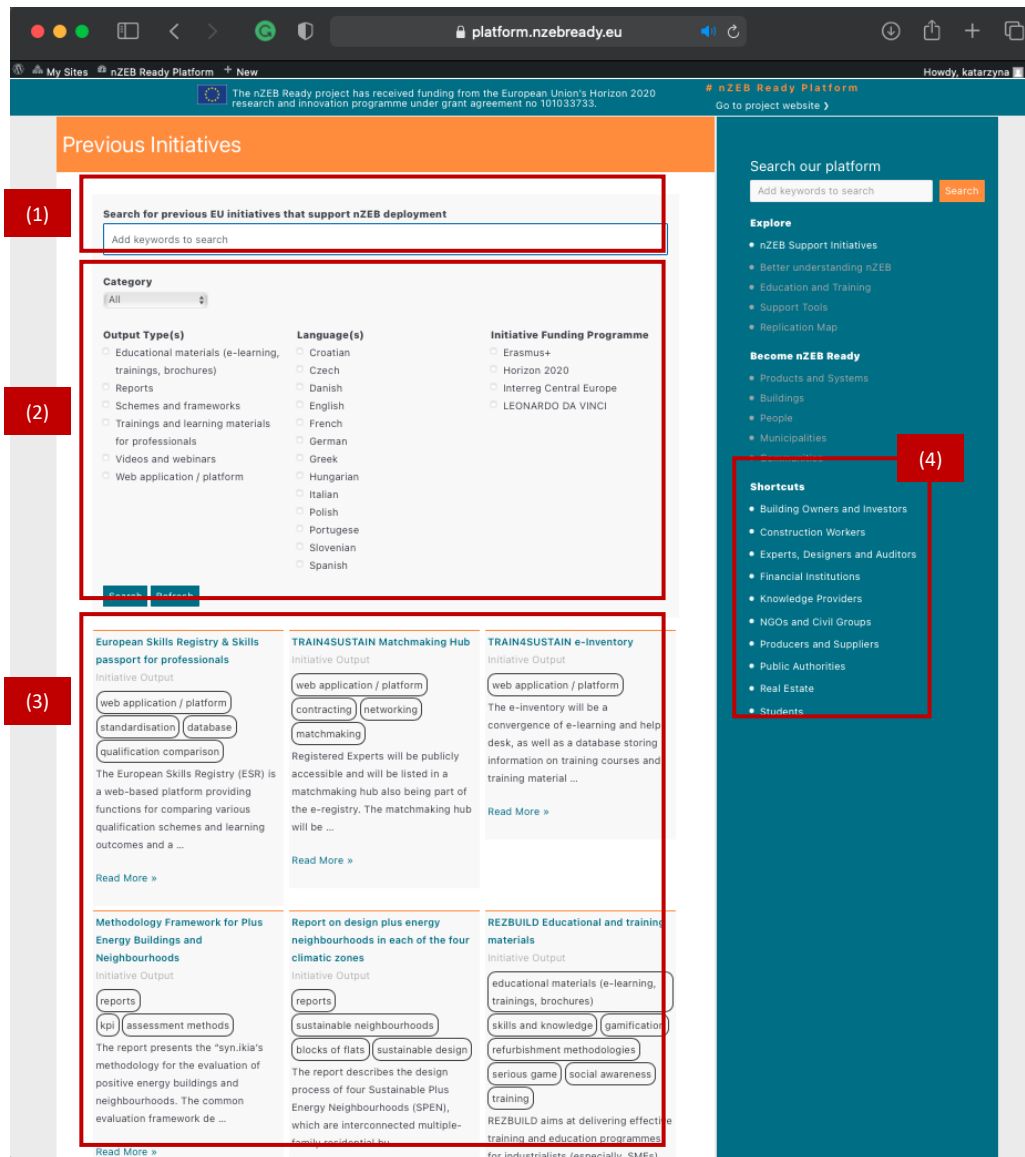


Figure 2 nZEB Ready Knowledge Platform Module 1 main page

In total, the database consists of 19 bibliographical notes of previous initiatives, and 43 linked outcomes. The analysis of the identified initiatives and their outcomes is presented in *D2.1 Benchmarking analysis of previous initiatives – results*. A presentation of a Previous Initiative includes its description, information on the main language, funding programme and website. Outputs related to this initiative are displayed as well (Figure 3).

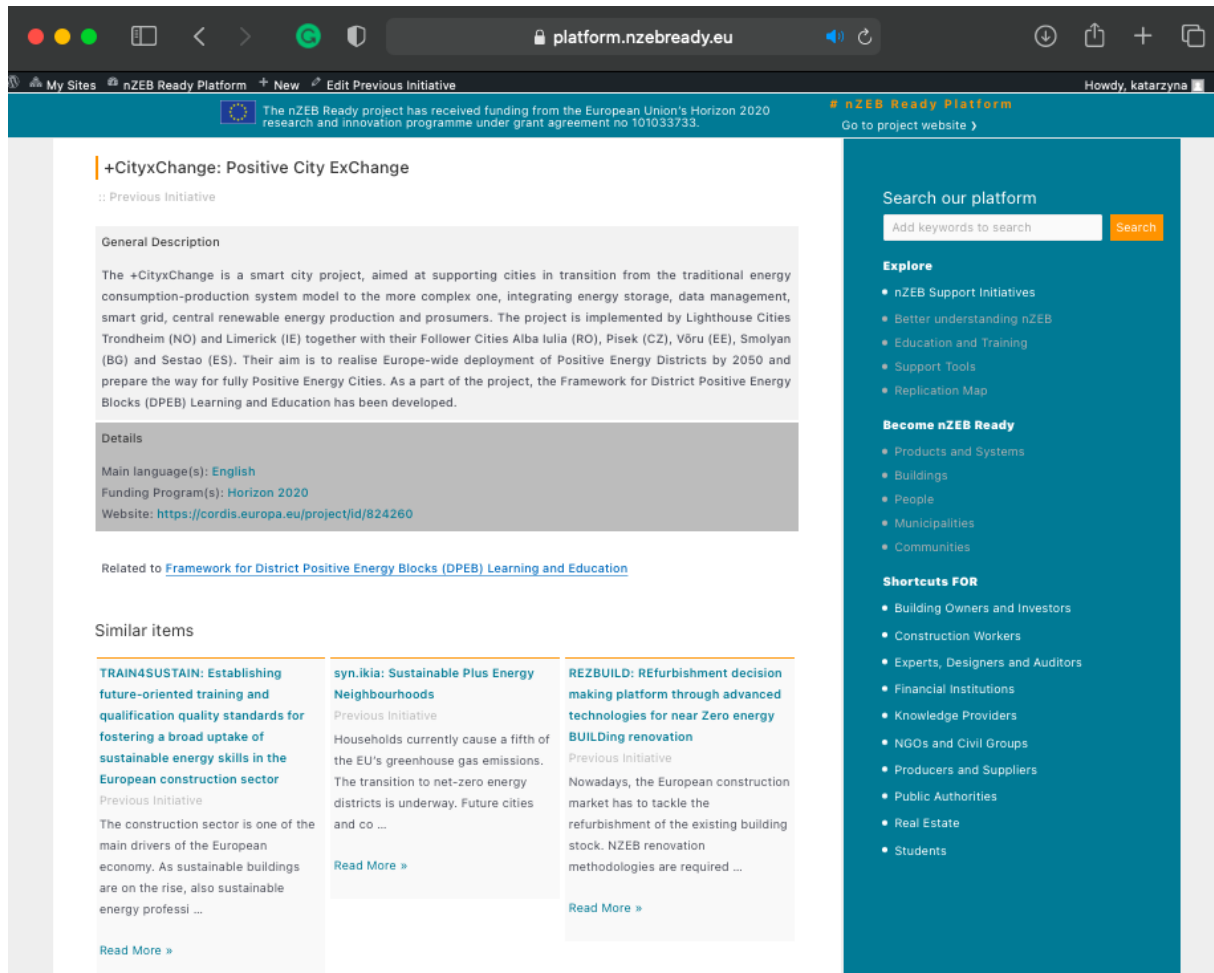


Figure 3 Presentation of a previous initiative on the nZEB Ready Knowledge Platform

A presentation of an Initiative Output includes its description, information on the output type, stakeholders that it targets, main language, keywords, and website where the output can be accessed. The Previous Initiative that developed this output is displayed as well. Below the main body, suggestions of similar outputs are presented.

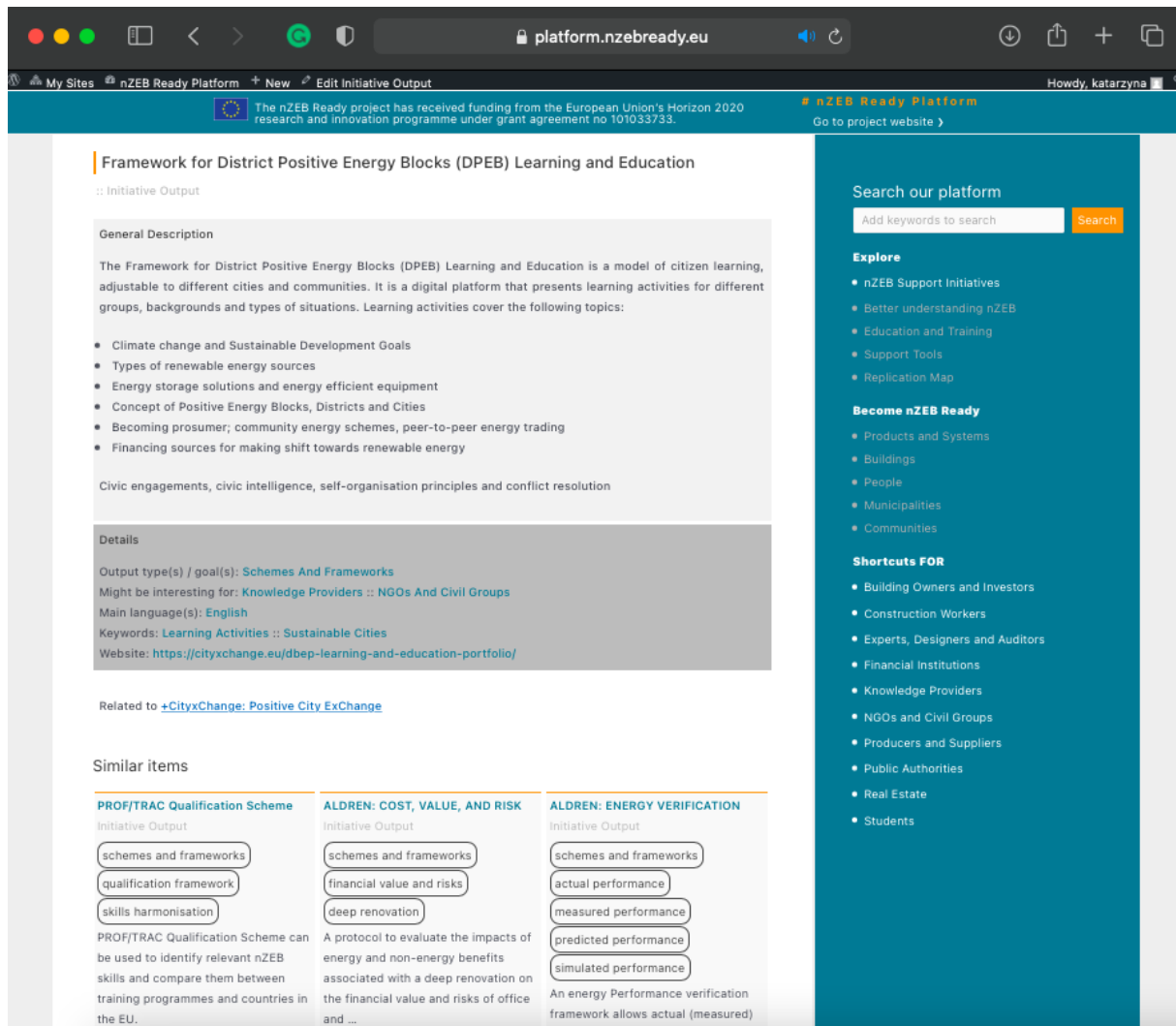


Figure 4 Presentation of a previous initiative output on the nZEB Ready Knowledge Platform

2.3. Access

The nZEB Ready Knowledge Platform is publicly available and can be accessed at the following address: <https://platform.nzebready.eu>. It is an open platform, with no access restrictions for potential users (no registration is required).

2.4. Administrator tools

The nZEB Ready Knowledge Platform has been developed and managed by the nZEB Ready project team, who holds administrator rights. This allows to effectively introduce changes to the platform and its modules, if needed. The platform has been built on the WordPress Website Builder. The admin can set up new content templates, create new sites and change the structure of the platform. Editors can add new contents using pre-defined templates via the administration area.

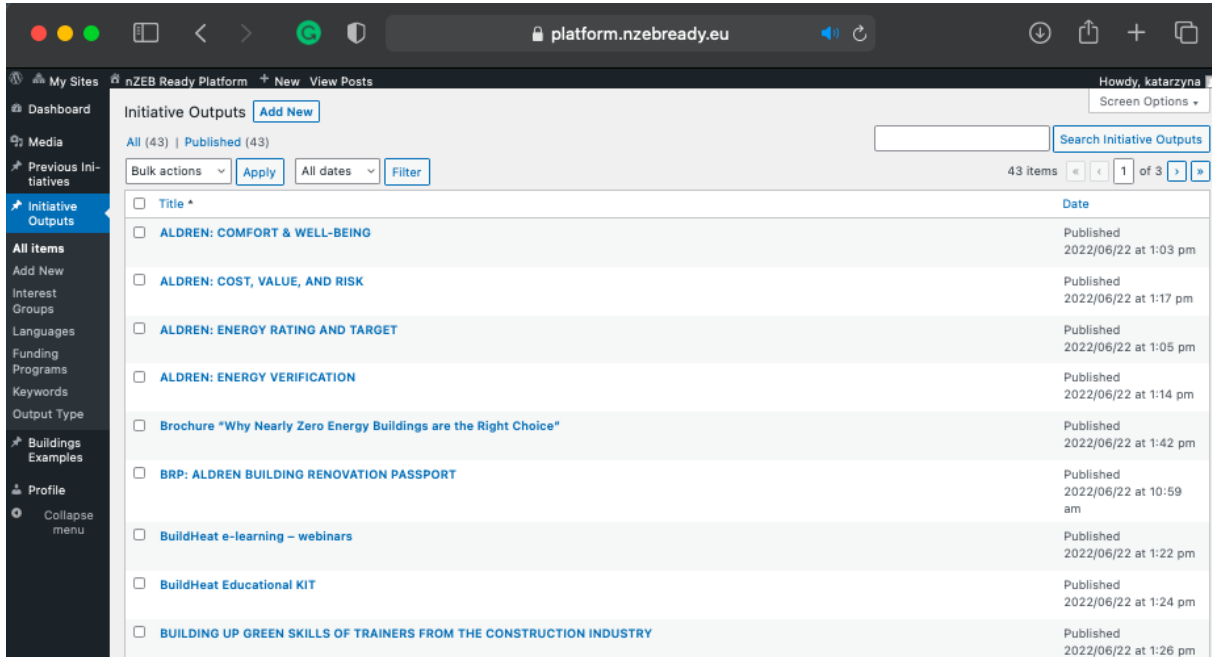


Figure 5 Editor's area

3. Conclusion

The nZEB Ready Knowledge Platform is a knowledge hub dedicated to the wide range of construction sector stakeholders, providing them with high quality and reliable materials about nearly-zero energy buildings. The Module 1 of the Platform has been successfully launched in June 2022. It allows users to search for previous initiatives and their outcomes. The platform is easily accessible and does not require any registration. Thanks to the searching machine, it is easy to find the most relevant materials. The Platform has been developed and managed by the nZEB Ready project team, who holds administrator rights. This will allow for further adjustments of the platform, if needed, as well as adding more content to the existing Module. Next modules will be launched throughout the nZEB Ready project progress, until September 2024.