



Fundusze Europejskie
dla Rozwoju Społecznego



Rzeczpospolita
Polska

Dofinansowane przez
Unię Europejską



Ministerstwo
Edukacji Narodowej



Meta-evaluation of the results of PO WER measures in the field of education and the role of e-materials in the digitisation of education

Information brochure

Evaluation study co-financed by the European Union under the European Social Fund Plus

Operational Programme Knowledge Education Development 2014-2020 in the field of education



1.5 billion PLN

Approximate value of projects



325

Number of completed projects



2014-2020

Programme implementation period



Ministry of National Education

Intermediate Body

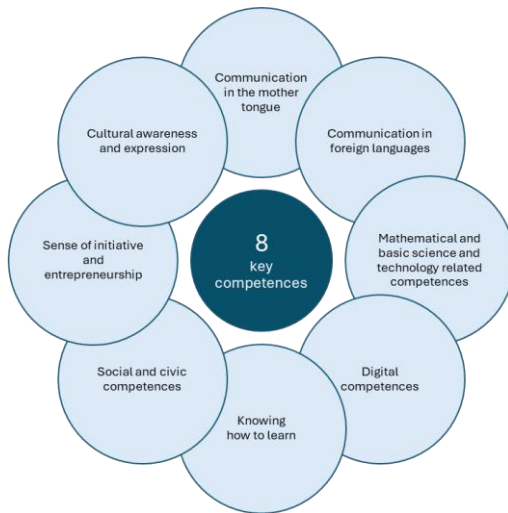


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Fields of intervention: education system, lifelong learning,
vocational training

Support system for schools supporting the development of key competences

- A reform of school support consisting of changing the support system from providing targeted and incidental support to individual teachers to a process approach, involving the whole school.
- The support was targeted at the development of 8 key competences.



1 reform of the support system

8 key competences better developed as a result of the support reform

3 regulations on support

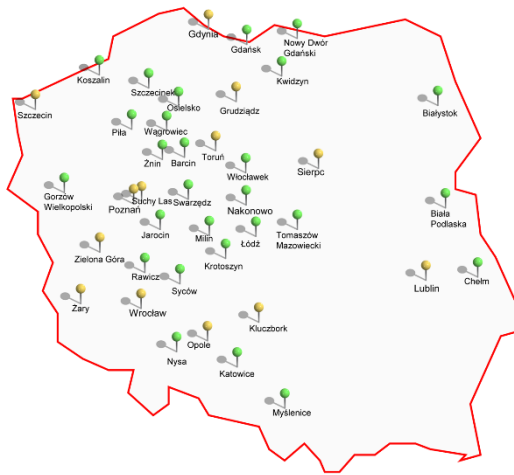
4372 prepared school support system staff and trainers

7042 trained representatives of management staff and territorial self-government units (JST)

Exercise schools

- Exercise schools are schools where future teachers experience practical verification of the theory learnt during their studies, and where in-service teachers improve their working practices.
 - Exercise schools supported teachers in developing the practical skills necessary to shape students' key competences.
- Exercise schools focused on improving teaching methods that foster the development of skills such as critical thinking, cooperation, creativity and problem solving.

Map of created exercise schools



1 exercise school model

1 pilot exercise school

45 training schools established

Diagnostic tools for psychological-educational counselling centres

The diagnostic tools developed as part of the PO WER projects are four batteries of tests for diagnosis in different areas, used by the staff of psychological-educational counselling centres.

TROS-KA

- ⇒ The TROS-KA Diagnostic Toolkit for pupils aged 9-13, including pupils at risk of social maladjustment, designed to explore the emotional-social area.

KAPP

- ⇒ Diagnostic Assessment Battery in the cognitive Area (KAPP) for children and adolescents aged 3 months to 25 years.

OKC (1)

- ⇒ Diagnostic battery for assessment in the emotional-social area (OKC).

OKC (2)

- ⇒ Diagnostic battery for assessment in the personality area (OKC).

4 batteries of tests

2 versions of selected tools: paper and digital

1766 PPP staff prepared to use the battery of tests and to work with pupils, including pupils with different educational needs

Pupil assistant with special educational needs (ASPE)

An ASPE is a non-educational staff member who carries out care and nurturing activities. They support the child or pupil to achieve maximum independence whilst keeping them and those around them safe.

Special educational needs (SPE)

2 definitions

1. Children and young people with special developmental and educational needs are those identified with a spectrum of symptoms that impede or prevent motor, sensory, cognitive, communicative, emotional-social and/or psychological functioning affecting their quality of life and social roles now and/or in the future.
2. Children and young people with special developmental and educational needs are those identified as being at risk of disability, any dysfunction, disharmony or disability that may have a negative impact on further development.

SPR - from birth to 3 years of age

SPE - from age 3 to school completion

1 ASPE model

1 set of recommendations for law changes

632 assistants prepared

632 students supported by ASPE

Integrated Qualifications System (ZSK) and Integrated Qualifications Register (ZRK)

Thanks to the PO WER projects, it was possible to ensure the functioning and development of ZSK and ZRK operating on the basis of the provisions of the Act of 22 December 2015 on the Integrated Qualifications System



**ZINTEGROWANY
SYSTEM
KWALIFIKACJI**



**Zintegrowany
Rejestr
Kwalifikacji**

1 rejestr kwalifikacji rozwijany dzięki projektom PO WER

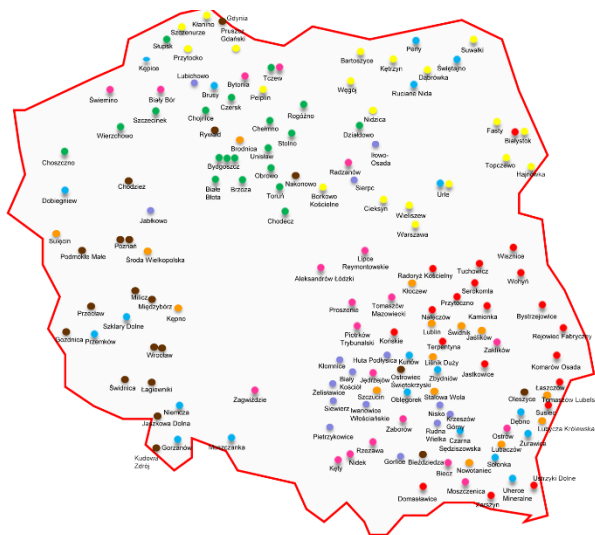
1 system kwalifikacji tworzony dla różnych grup odbiorców

232 kwalifikacje częściowe spoza systemu oświaty i szkolnictwa wyższego
wpisane do ZRK w ramach projektów PO WER

Local Knowledge and Education Centres (LOWE)

- LOWEs are rooted in the local environment and promote the grassroots activities of local community members who want to learn.
- LOWEs are identified with the voluntary function of schools for adult learning and skills development.
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Map of established LOWEs



1 LOWE model

150 LOWEs created

16 in as many voivodeships LOWEs were created

33,088 LOWE participants

Vocational Qualification Courses (KKZ) and Vocational Skills Courses (KUZ)

The POWER projects have developed model curricula for KKZ and KUZ for 32 industries identified under the set of regulations introduced by the MEN in 2019.



223 curricula for KKZ

875 curricula for KUZ

32 industries

1179 adult education courses for which model curricula have been developed

80.9% of schools using the model curricula for KKZ and KUZ

Increased availability and quality of vocational counselling in schools

Thanks to the support of PO WER in the area of vocational counselling:

- framework programmes and organisational solutions were developed,
- staff of vocational counsellors were prepared,
- multimedia resources were prepared and made available.



1 MEN regulation on professional counselling

5 framework programmes of counselling

15,253 prepared trainers and advisors

256 professions with digital resources

85.2% of schools providing counselling in line with standards

Cooperation with employers

In order to better prepare students for employment and improve cooperation with employers, PO WER projects:

- mechanisms of cooperation with social partners were built,
- core curriculum for vocational education (PPKZ) was modernised,
- new examination tasks were developed,
- solutions were developed with regard to practical vocational education (PNZ).



2 MEN regulations on core curriculum for vocational education

25 Industry Groups of Social Partners (BZPS)

230 professions for which PPKZs were developed

150,460 examination tasks developed with employers

191 professions for which PNZ solutions were developed

Cooperation of schools providing vocational training with higher education institutions

Within the framework of the PO WER projects, in the scope of cooperation of schools providing vocational education with universities, developed:

- sample curricula for a given profession,
- exemplary ways of organising classes for students with the use of didactic base of vocational training school or university,
- proposals for activities aimed at familiarising students and vocational education teachers with new techniques/technologies used in a given industry/profession,
- sample forms of in-service training for vocational education teachers.



25 professions for which exemplary solutions of cooperation between schools providing vocational education and universities have been developed

7.8% vocational education schools using developed solutions regarding cooperation with universities

Monitoring graduates' careers

- The Graduate Career Monitoring System has been developed by the Educational Research Institute, in cooperation with the Ministry of Education and the IT Education Centre.
- Monitoring of graduates' careers is carried out in order to provide information on graduates' careers for the purposes of national educational policy.
- The available monitoring products are: school reports, voivodship and voivodship-industry reports, and a nationwide report.
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1 amendment to the Act on Education Law regarding the monitoring of graduates' careers

4 editions of the programme for monitoring careers of graduates of schools providing vocational education

100% of schools providing vocational education covered by the study of the fate of the graduate

National System of Educational Data (KSDO)

- The National System of Educational Data is an IT solution that integrates the databases of the educational system.
- It enables in-depth analysis of data collected in integrated systems by external analytical systems.
- It provides greater interoperability between educational databases and information resources such as the External Examination Service System, Educational Information System, Educational Value Added, Comparable Examination Results.

The image shows a screenshot of the KSDO website. At the top, there are logos for 'Fundusze Europejskie dla Rozwoju Społecznego', 'Rzeczpospolita Polska', 'Dofinansowane przez Unię Europejską', and 'CENTRUM INFORMATYCZNE BUKACJA'. Below these is a navigation bar with 'KSDO' and links for 'O projektach', 'Systemy w KSDO', and 'Kontakt'. The main heading is 'Krajowy System Danych Oświatowych' with the tagline 'Integrujemy oświatę'. Below this are five service categories, each with an icon and a list of services:

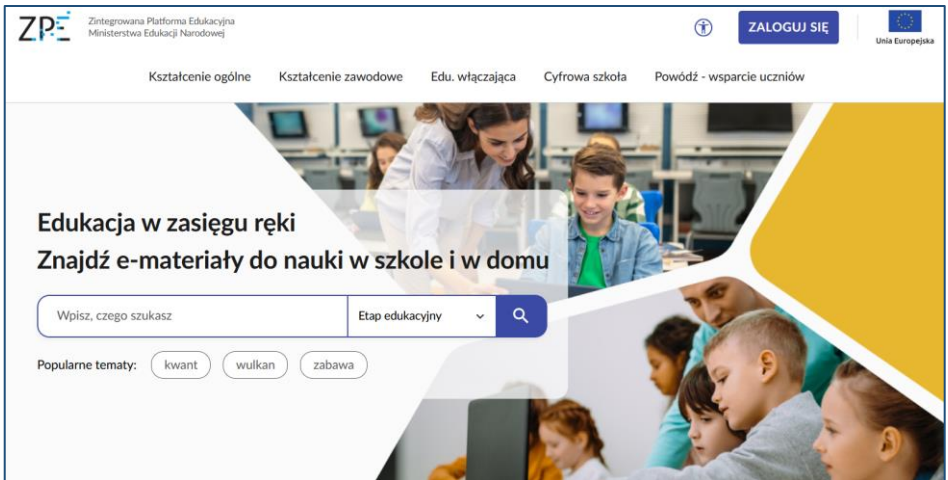
- Dla OKE i CKE**
 - organizacja egzaminów
 - obsługa wniosków
 - raporty
 - wyniki wg podziału terytorialnego
- Dla szkół i uczelni**
 - obsługa egzaminów
 - informacje o wynikach
 - statystyki i raporty
- Dla ucznia i absolwenta**
 - e-deklaracja maturalna
 - opłaty za egzamin
 - wyniki egzaminu
- Dla organów prowadzących i nadzorujących**
 - informacje o wynikach
 - statystyki i raporty
 - wyszukiwarka szkół
- Dla każdego**
 - interaktywna mapa wyników
 - wyniki wg podziału terytorialnego
 - statystyki i raporty ogólnodostępne

1 coherent and integrated system for educational purposes

60 databases and systems integrated within KSDO

Integrated Educational Platform (ZPE) Educational e-materials

Educational e-materials are materials developed within the framework of POWER projects placed on the Integrated Educational Platform to be used by teachers, but also independently by students.



High quality content and alignment with the core curriculum

Can be used anywhere, on a variety of devices (computer, smartphone, interactive whiteboard)

Flexibility - teachers can freely modify and create their own e-materials for ZPE

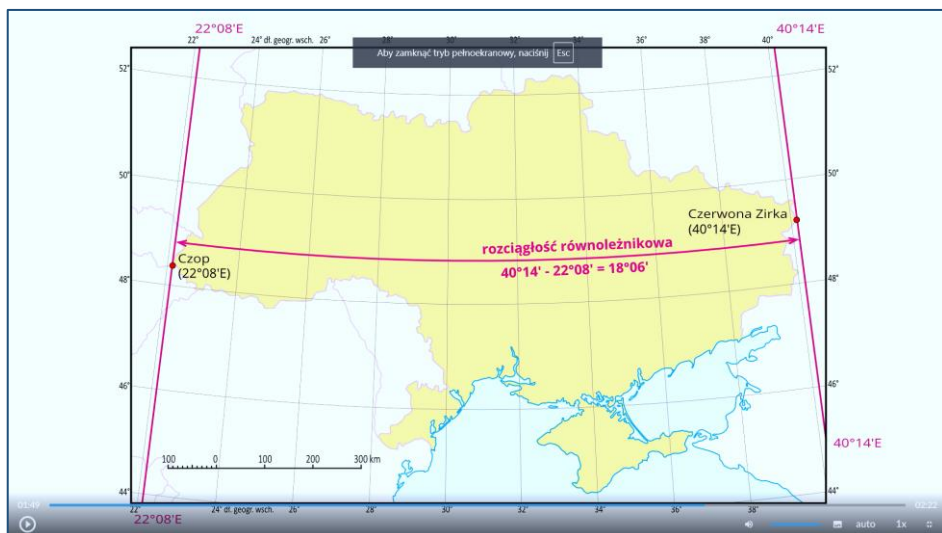
Attractiveness and interactivity - e-materials contain multimedia, quizzes, educational games and other elements to effectively activate students

Accessibility - e-materials are tailored to the needs of all students, including, for example, those with disabilities

Integrated Educational Platform (EPL)

Use of resources

The most popular e-material in the period from September 1, 2023 to October 31, 2024 was [The world under the microscope - Earth and its image on the map - Geographic coordinates](#) displayed over 110 thousand times.



69,564 visits per day (average)

485,809 visits per week (average)

2,116,740 visits per month (average)

4404 learning paths created between September 1, 2023 and October 31, 2024

E-materials for general education

E-materials for general education available on the Integrated Educational Platform (ZPE)



% of schools attended
from e-materials for general education

83,7% percentage of schools using e-materials for general education

18,000 general education e-materials developed under the programme

53 educational toolkits developed (curricula, methodological guides, interdisciplinary educational projects, tools for measuring learning outcomes)

83.7% of schools using e-materials for general education

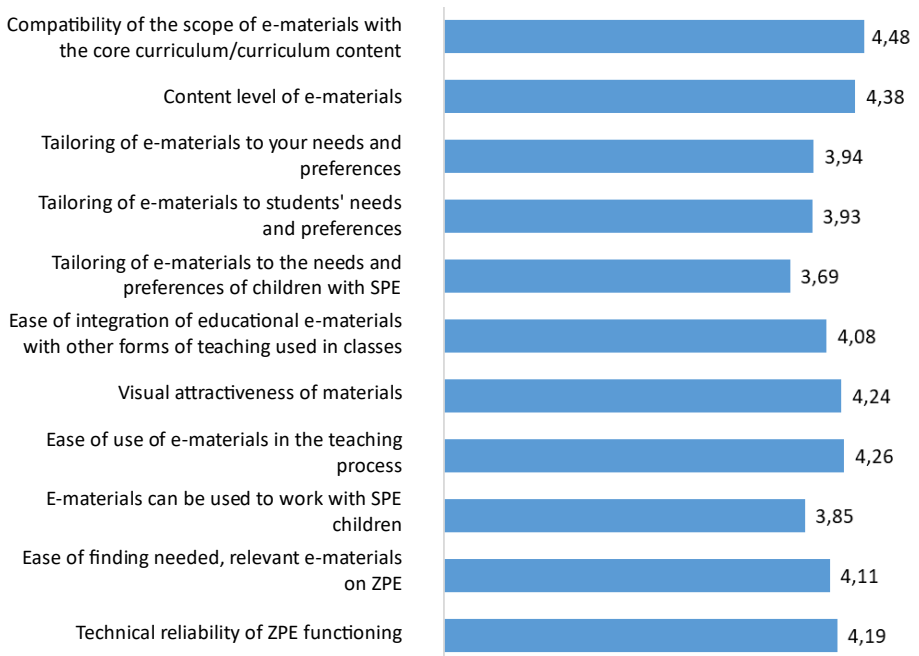
68.7% of general education teachers using e-materials placed on ZPE in the 2023/2024 or 2024/2025 school year

E-materials for general education - quality assessment

E-materials for general education developed in the PO WER were highly evaluated by general education teachers - users of the educational e-materials available on ZPE.

The highest appreciation was given to:

- compatibility with the core curriculum,
- content level,
- ease of use in the teaching process



Rating scale: from 1 (lowest rating) to 5 (highest rating)

E-materials for vocational education

E-materials for vocational education available on the Integrated Education Platform (ZPE)



% of public schools using
from e-materials for vocational education

950 vocational education e-materials developed in the programme

74.2% of schools using e-materials for vocational education

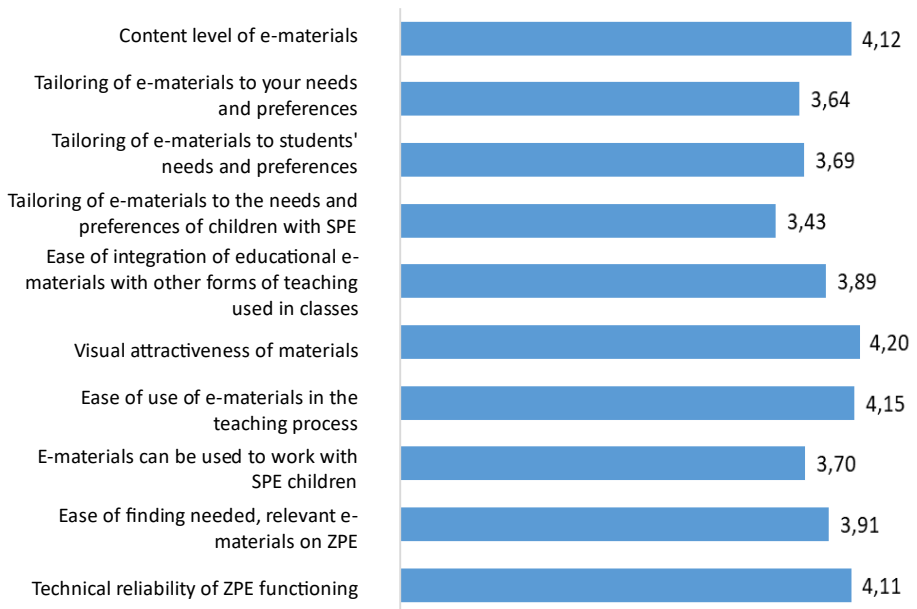
62.8% of vocational education teachers using educational e-materials hosted on ZPE in the 2023/2024 or 2024/2025 school year

E-materials for vocational education

The vocational education e-materials developed in the PO WER were highly appreciated by vocational subject teachers - users of the educational e-materials available on ZPE.

The highest appreciation was given to:

- attractiveness,
- ease of use in the teaching process,
- content level.



Rating scale: from 1 (lowest rating) to 5 (highest rating)

Major products of the Operational Programme Knowledge Education Development 2014-2020 in the field of education

- [Integrated Education Platform](#)
- [National Educational Data System](#)
- [E-materials for general education](#)
- [E-materials for vocational education](#)
- [Multimedia materials for vocational counselling](#)
- [Inclusive education](#)
- [Specialised Support Centres for Inclusive Education](#)
- [Assistants for pupils with special educational needs](#)
- [Exercise schools](#)
- [Local Knowledge and Education Centres](#)
- [Integrated Qualifications System](#)
- [Vocational Qualification Courses and Vocational Skills Courses](#)
- [Curricula for practical vocational training](#)
- [Cooperation programmes between vocational training schools and higher education institutions](#)