

PERSPECTIVE ON EDUCATION MANAGEMENT INFORMATION SYSTEM

Peer-learning workshop #1 on the Use of Evidence in
Education Policies, 29 May - 31 May 2024. Turin

Definition



“An EMIS can be defined as a system for the collection, integration, processing, maintenance and dissemination of data and information to support decision-making, policy analysis and planning, monitoring, management and resource allocation at all levels of an education system.” UNESCO

Data collected in EMIS should be of good quality: complete, relevant, timely, accurate and accessible

But how to achieve that?

About this presentation



1. Quick overview of Polish EMIS - a case study in design of EMIS

System's capabilities and functionalities have to align with a country's:

- Objectives
- Priorities

2. Focus on data on teachers and especially about dealing with vacancies using EMIS

EMIS in Poland – a case study

1. Custom built from scratch
2. Designed by the MoE, external software developer (but capacity, skills, documentation stay in-house)
3. Web-based application – access through the internet browser/mobile devices
4. One central data warehouse updated daily (relational database mgmt system)
5. Collects typical information on students, teachers, infrastructure, expenditure and schools

EMIS in Poland - very important choices



1. EMIS collects **individual data** of students and teachers.
Linked to National Register of Citizens (quality and integrity) –
unique id
2. Most data on students and teachers are updated within 7
days after a change all school year round. Data are accurate
almost in **real time**

EMIS in Poland – pros and cons

Disadvantages

1. High initial cost to build – it's complex
2. High operating cost
3. Large storage capacity needed

Advantages

1. Individual data allow to combine with other databases by common identifier.
Interoperability
2. Provides accurate and timely information throughout the entire school year.

Data on teachers in EMIS

- 1. Personal Information** – name, date of birth, age, gender, national ID number
- 2. Professional Qualifications**
- 3. Employment Details** - years of experience, subjects and grades taught
- 4. Professional Development** - training programs, workshops attended, rank
- 5. Performance and Evaluation**
- 6. Attendance and Leave Records** – e.g sick leave, maternity leave
- 7. Salary**



Using EMIS for vacancies management

- 1. EMIS can be used to streamline vacancies management in the education system**
- 2. Every school has access to vacancies module in EMIS**
 - School enters a job posting – it goes directly to open website listing job vacancies
 - Every job seeker can use search engine – by keyword, subject, region, full-time or part time etc.
 - Job seeker contacts the school directly



Vacancies management – questionnaire for schools

← → ↻ 🏠 ofertypracy-test.mein.gov.pl/dashboard/offers/create ☆ M Wstrzymano

Aplikacje Aktualności ETERYT MENU SAD - 54 Wykaz szkół i placó... Nowe przepisy pra... Zgłoszenia Nowa karta Subwencja oświato... >> Wszystkie za

Informacja o wolnych stanowiskach pracy w jednostkach systemu oświaty

- 🏠 Oferty pracy
- ⚙️ Ustawienia
- 🏠 Wróć do Strefy Pracownika

Instrukcje

- 📄 Pracownik szkoły

↓ Exportuj słownik

← Wróć do ofert pracy Zapisz

Szczegóły stanowiska

Miejsce zatrudnienia
SZKOŁA PODSTAWOWA NR 17 IM. PROF. JANA KARSKIEGO

Typ poszukiwanego pracownika* ▼

Rodzaj oferty*
Wakat ▼

Termin składania dokumentów*
2024-05-26 ✕

Liczba godzin w tygodniu*
18

Oferta dotyczy roku szkolnego*
2024/2025 ▼

Wymiar etatu*
1



Vacancies management – search engine for applicants

ofertypracy.edu.pl

Informacja o wolnych stanowiskach pracy w jednostkach systemu oświaty

Filtruj ogłoszenia

Województwo	▼	Typ szkoły	▼
Powiat	▼	Typ organu prowadzącego	▼
Gmina/Dzielnica/Delegatura	▼	Specyfika	▼
Status publiczno-prawny	▼	Rodzaj oferty	▼
Typ poszukiwanego pracownika	▼	Wyszukaj po słowie kluczowym	🔍

Wyczyść formularz ✕

Szukaj oferty



Thank you for your attention!

Please feel free to ask questions