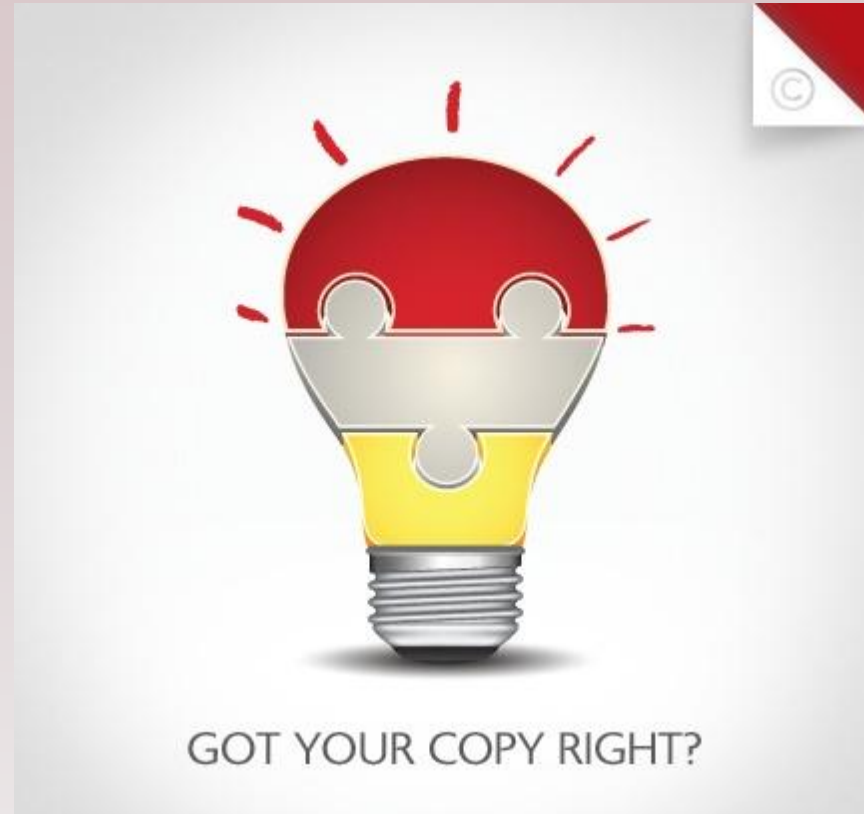


Information technologies at combat against academic plagiarism

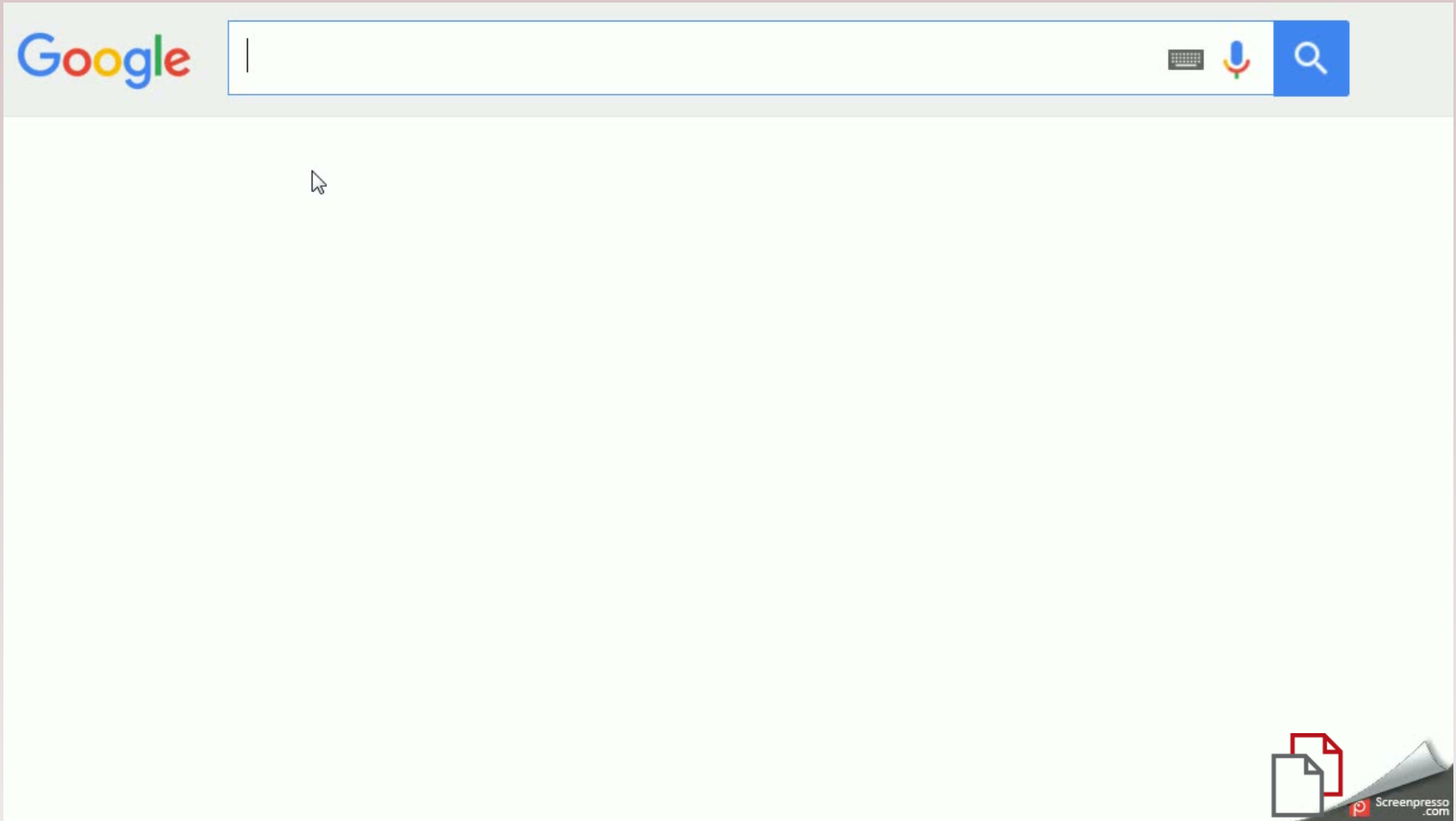


Academic plagiarism

- Internet transferred plagiarism to a new form; made it technological
- «**Copy-paste**» - the most popular method of plagiarising
- «**ghost writer**» sales of “self-written” papers online
- Real threat to deterioration of quality of education



How fast do you find a paper?



StrikePlagiarism.com

ORIGINALITY IS A VALUE

Plagiarism - scale of the phenomena



Germany:

50% of scientific papers contain plagiarised fragments

(2006, research by Dr. John Bleiher, Hamburg)



United Kingdom:

58% of teachers at universities face plagiarism

(2008, UK Plagiarism Advisory Service)

Academic dishonesty - the main problem of the academic culture in Ukraine



- **67%** students cheat on exams
- **90%** students use plagiarism in one form or another

Source: " Ukrainian Academic Culture of the Students: Key Factors of the Formation and Development", Bakirov Vil Savbanovych, Doctor of Social Sciences, academician of NAS of Ukraine, professor, rector of Kharkiv National University named after V.N. Karazin, , president of the NGO "East Foundation for Social Studies", Kyiv 2015.

Models to solve the problem of plagiarism

- **Great Britain:**

Anti-plagiarism systems were introduced to the public at British universities in accordance with the government program. After the first 3 years, financing was taken over by the Higher Educational Institutions. Competition on anti-plagiarism market.

- **Slovakia:**

Since 2009 all theses have been checked for plagiarism and stored in a digital repository (state system)

- **Germany:**

Absence of the opportunity to use graduates' paperworks in comparative database (the strictest understanding of copyright)

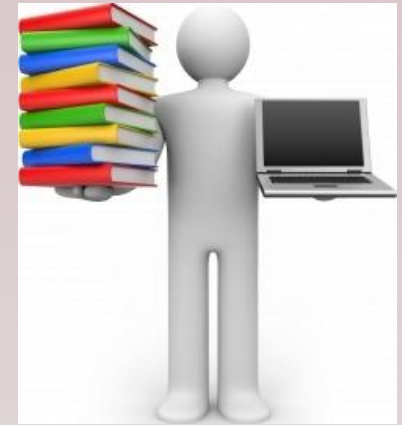
Methods and solutions to defeat academic plagiarism



- Mandatory verification of all type of student papers, central state decision
- Online publication of all papers at open access sources
- Central repository of papers
- Information technologies at academic process
- Sustainable and consistent antiplagiarism procedures and regulations at education institutions

Popular information technologies at academic process

- E-learning devices and software
- LMS – Learning Management Systems
- Distant and online learning
- Cloud
- Digital libraries
- Open digital content free for all

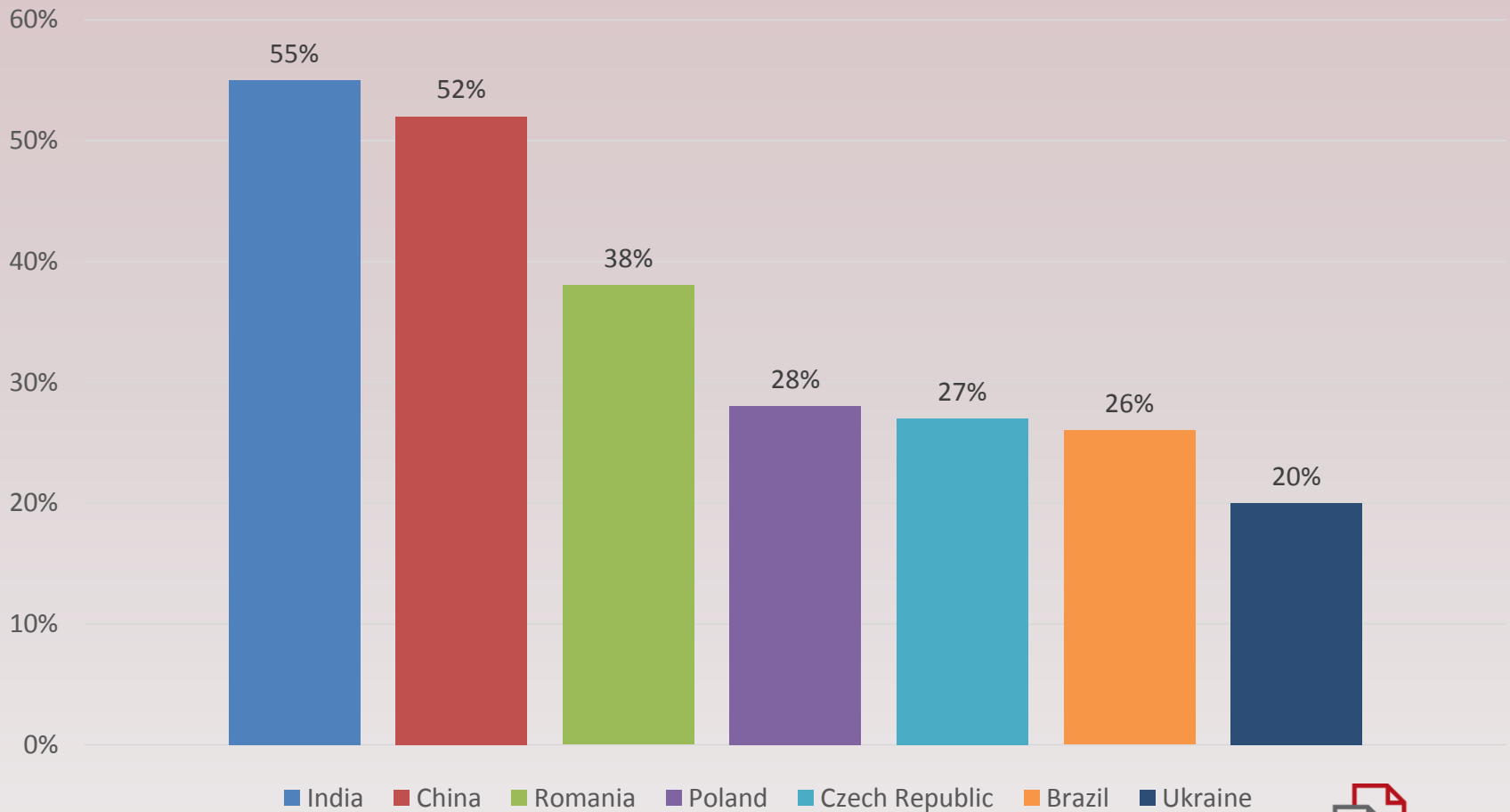


Information technologies at academic process

- Collaboration of ideas
- Developing research skills - individualism
- Prepare students for real world environment
- Easier and fast access and exchange of information
- Digitalization of study material
- Possibility to monitor of education process and evaluate

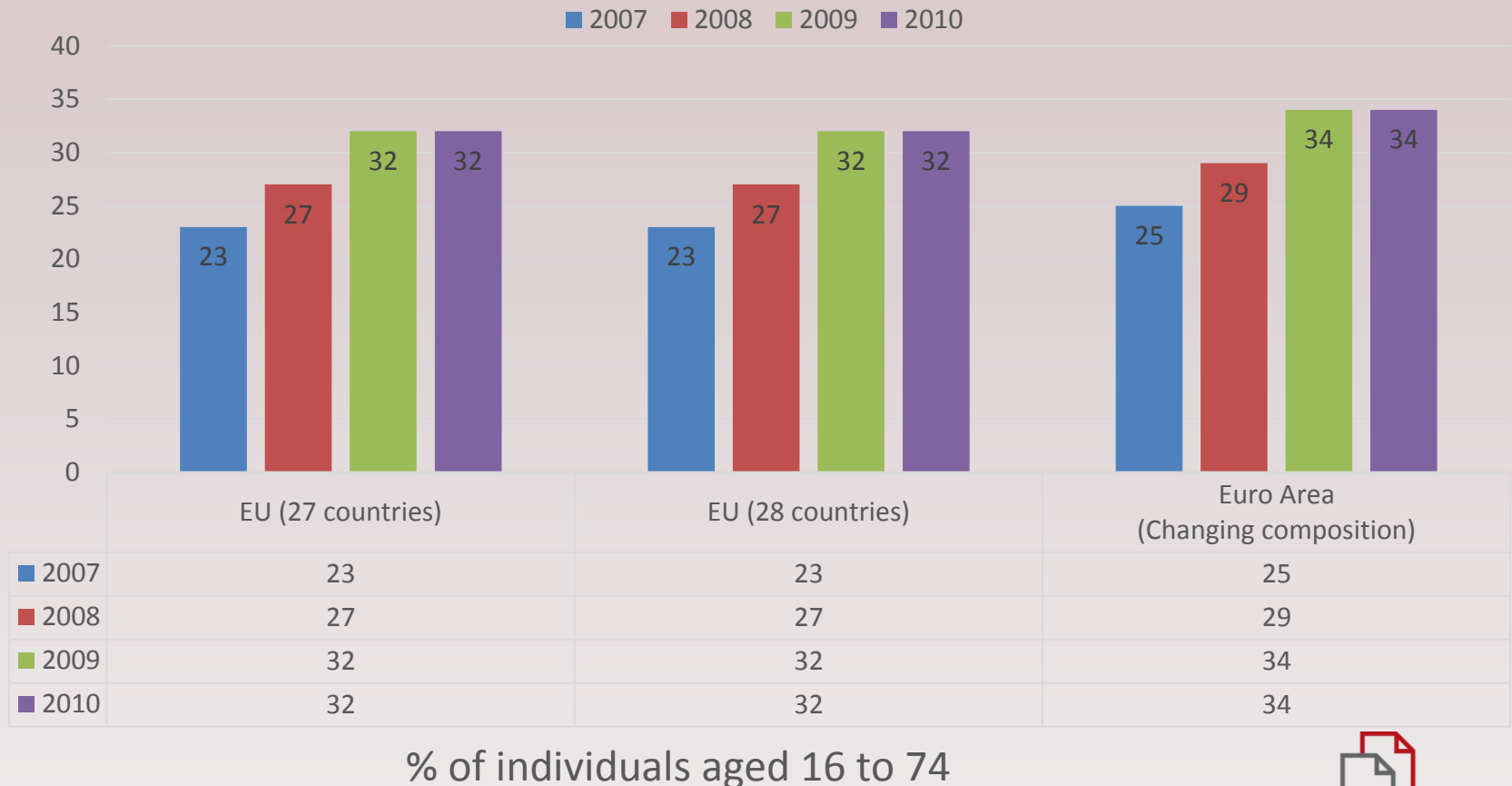


DYNAMICS OF THE FIVE YEARS GROWTH RATE OF SELF-PACED E-LEARNING BY COUNTRY BY 2015



SOURCE: ELEARNINGINDUSTRY.COM

Individuals using the Internet for seeking information with the purpose of learning



Technological innovation of Plagiat.pl

- New antiplagiarism algorithm's specificity:

1. Case insensitive

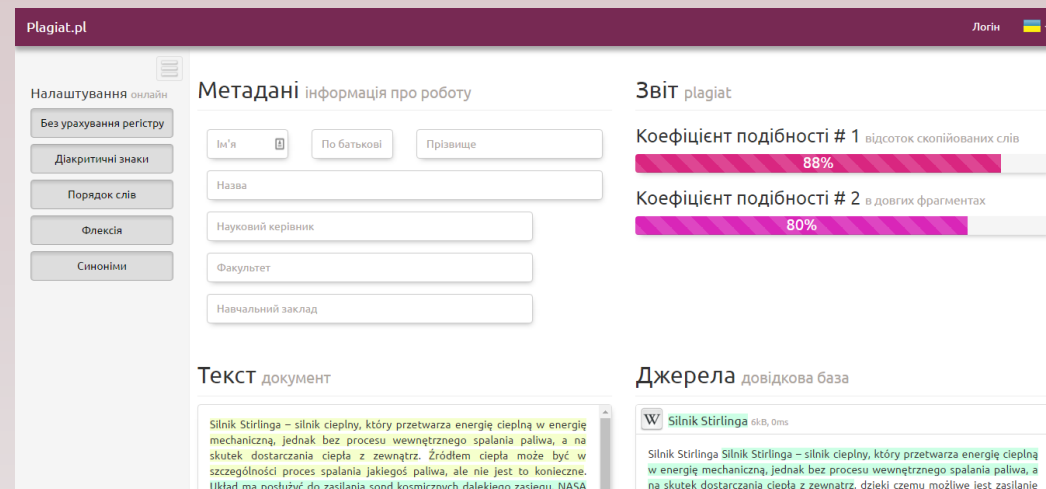
2. Strip diacritics

3. Ignoring order

4. Inflection

5. Synonyms

6. Translation module to detect plagiarism in translation



The screenshot displays the Plagiat.pl website interface. The top navigation bar is dark purple with the logo 'Plagiat.pl' on the left and 'Логін' with a Polish flag on the right. The main content area is divided into several sections:

- Налаштування онлайн** (Online Settings): A sidebar menu with buttons for 'Без урахування регістру' (Ignore case), 'Діакритичні знаки' (Strip diacritics), 'Порядок слів' (Ignore order), 'Флексія' (Inflection), and 'Синоніми' (Synonyms).
- Метадані інформація про роботу** (Metadata information about the job): A form with input fields for 'Ім'я' (Name), 'По батькові' (Patronymic), 'Прізвище' (Surname), 'Назва' (Title), 'Науковий керівник' (Supervisor), 'Факультет' (Faculty), and 'Навчальний заклад' (Institution).
- Звіт plagiat** (Plagiarism Report): A section showing two similarity coefficients. The first is 'Коефіцієнт подібності # 1 відсоток скопійованих слів' (Similarity coefficient #1 percentage of copied words) with a value of 88%. The second is 'Коефіцієнт подібності # 2 в довгих фрагментах' (Similarity coefficient #2 in long fragments) with a value of 80%. Both are represented by pink progress bars.
- Текст документ** (Document text): A text area containing a snippet of text about a Stirling engine: 'Silnik Stirlinga – silnik cieplny, który przetwarza energię cieplną w energię mechaniczną, jednak bez procesu wewnętrznego spalania paliwa, a na skutek dostarczania ciepła z zewnątrz. Źródłem ciepła może być w szczególności proces spalania jakiegos paliwa, ale nie jest to konieczne. Układ ma postać do zasilania sond kosmicznych dalekiego zasięgu, NASA'.
- Джерела довідкова база** (Reference sources): A list of sources, including 'Silnik Stirlinga 6kB, 0ms' with a corresponding text snippet: 'Silnik Stirlinga Silnik Stirlinga – silnik cieplny, który przetwarza energię cieplną w energię mechaniczną, jednak bez procesu wewnętrznego spalania paliwa, a na skutek dostarczania ciepła z zewnątrz, dzięki czemu możliwe jest zasilanie'.

Products of Plagiat.pl

Antiplagiarism internet software



Academic archive system



Audit of antiplagiarism procedures



Anti-pirate software for public houses



Plagiat.pl's achievements

- ❑ More than 10 years at market of antiplagiarism solutions
- ❑ Providing antiplagiarism software and sustainable procedures for prevention of academic plagiarism
- ❑ Maintaining more than 250 universities in Poland, Germany, Romania, Columbia, Ukraine, Moldova, Azerbaijan, Kazakhstan and UAE
- ❑ With support of Plagiat.pl was created central repository for PhD dissertations with a module of antiplagiarism verification
- ❑ High rating of effectivity of strikeplagiarism system by Prof. Debora Weber-Wulf from HTW Berlin

Plagiat.pl

ДЯКУЄМО ЗА УВАГУ!

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