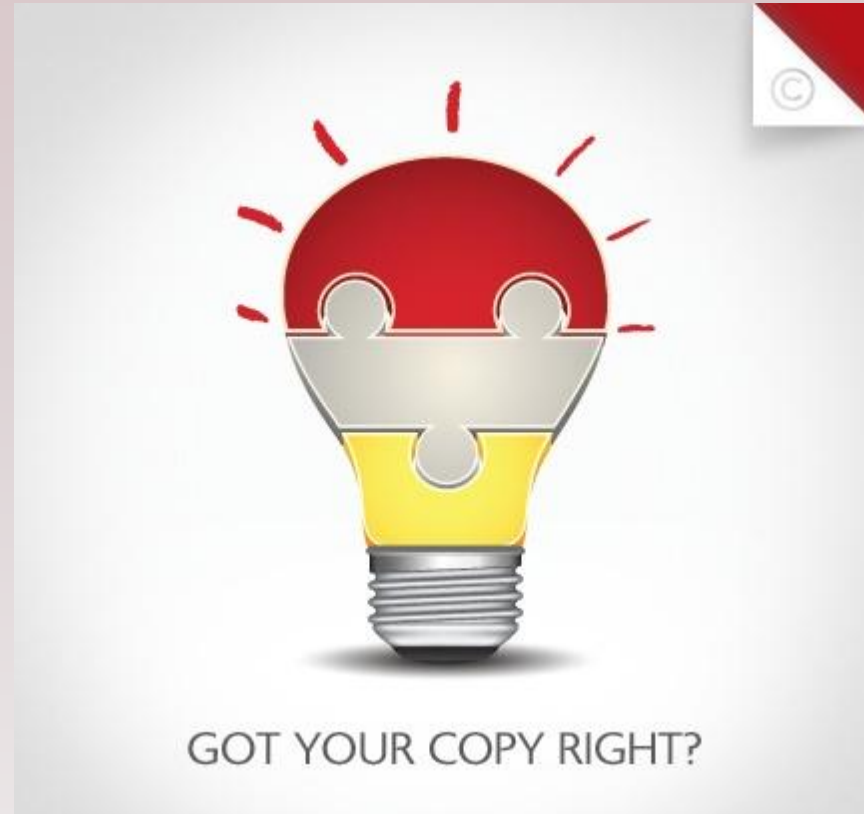# Information technologies at combat against academic plagiarism
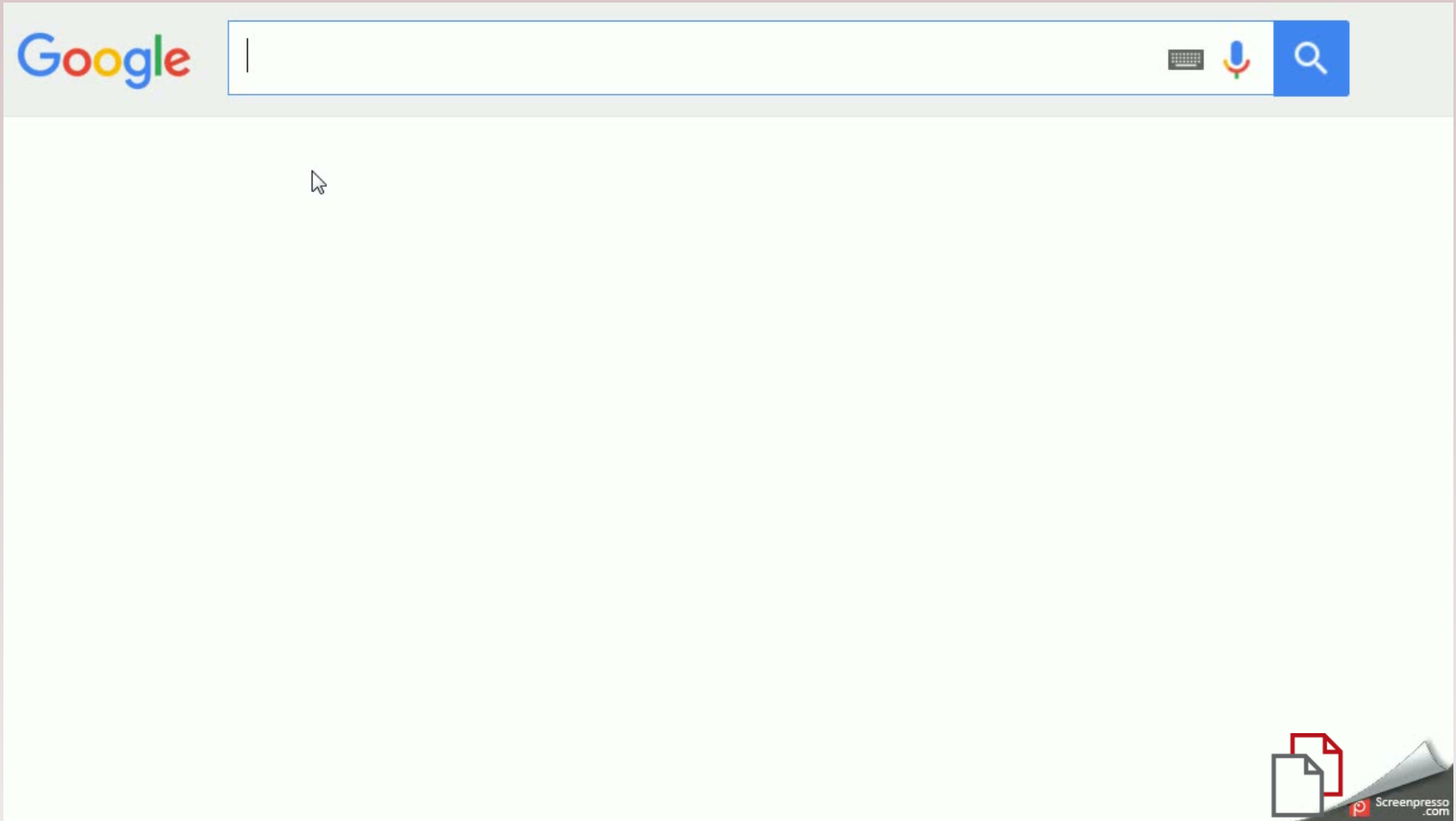
Academic plagiarism

- 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

StrikePlagiarism.com

ORIGINALITY IS A VALUE

How fast do you find a paper?

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)

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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", Kyiw 2015.

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Models to solve the problem of plagiarism

- **Great Britain:**

  Antiplagiarism systems was 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 antiplagiarism 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
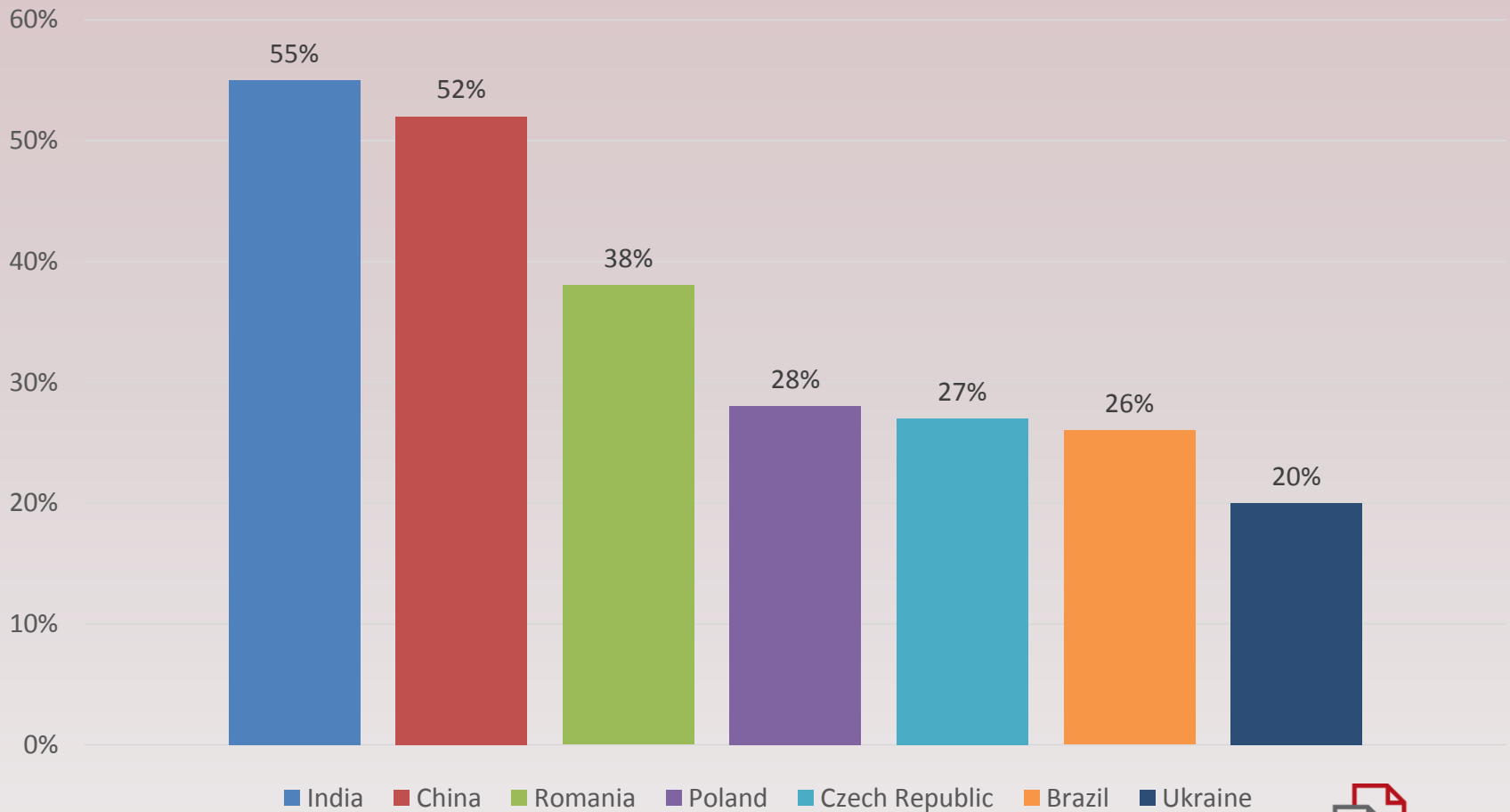- ❑ Digital libraries
- ❑ Open digital content free for all
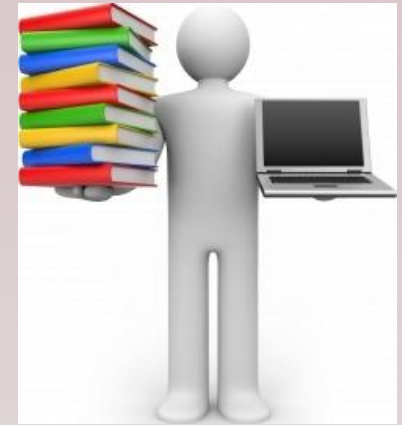
Information technologies at academic process

❑ 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

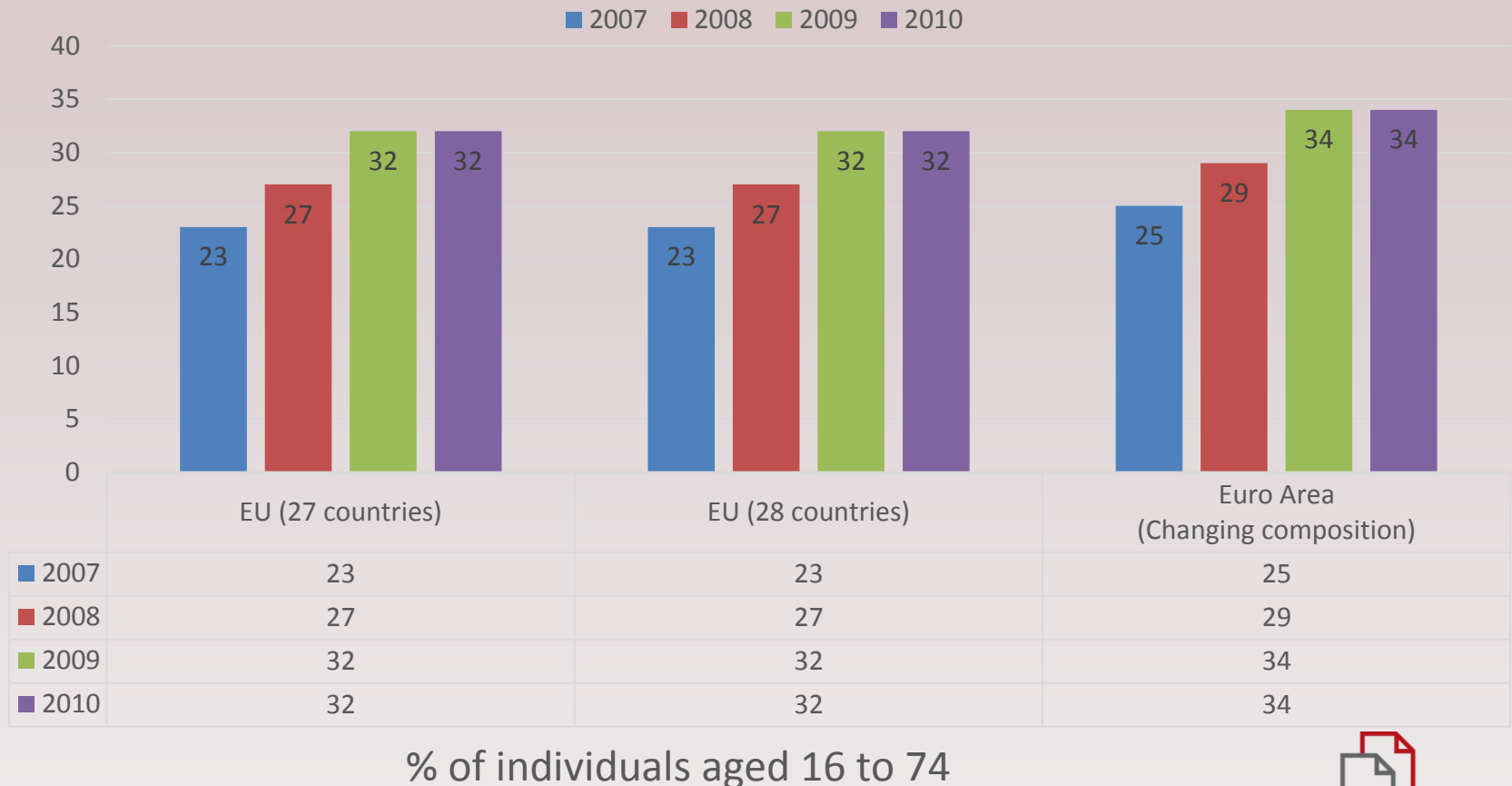❑ Possibility to monitor of education process and evaluate

made by grasundsterne

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

Country	Growth Rate
India	55%
China	52%
Romania	38%
Poland	28%
Czech Republic	27%
Brazil	26%
Ukraine	20%

Legend: India, China, Romania, Poland, Czech Republic, Brazil, Ukraine

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

	2007	2008	2009	2010

	EU (27 countries)	EU (28 countries)	Euro Area (Changing composition)
2007	23	23	25
2008	27	27	29
2009	32	32	34
2010	32	32	34

% of individuals aged 16 to 74

SOURCE: EUROSTAT DATA

Technological innovation of Plagiat.pl

- New antiplagiarism algorithm's specificity:

1. Case insensitive
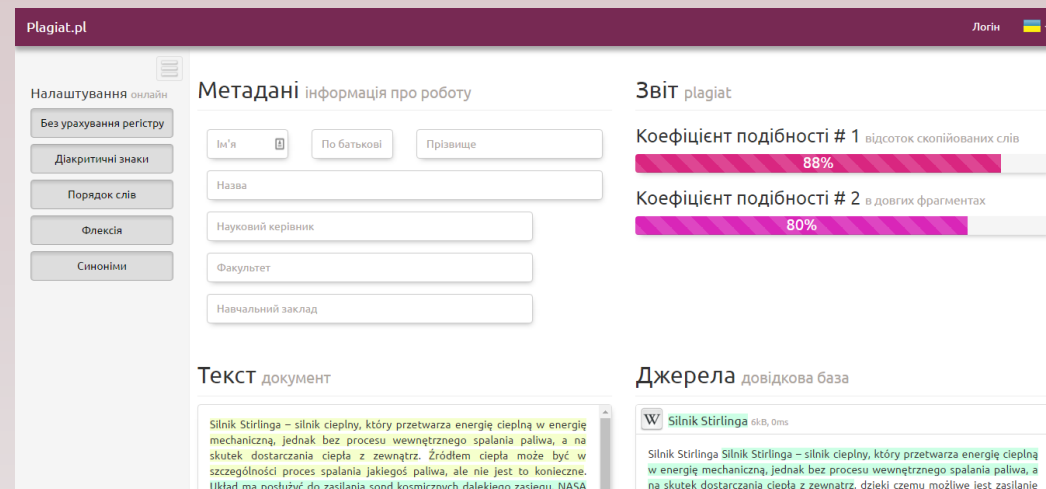
2. Strip diacritics

3. Ignoring order

4. Inflection

5. Synonyms

6. Translation module to detect plagiarism in translation

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

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ДЯКУЄМО ЗА УВАГУ!

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