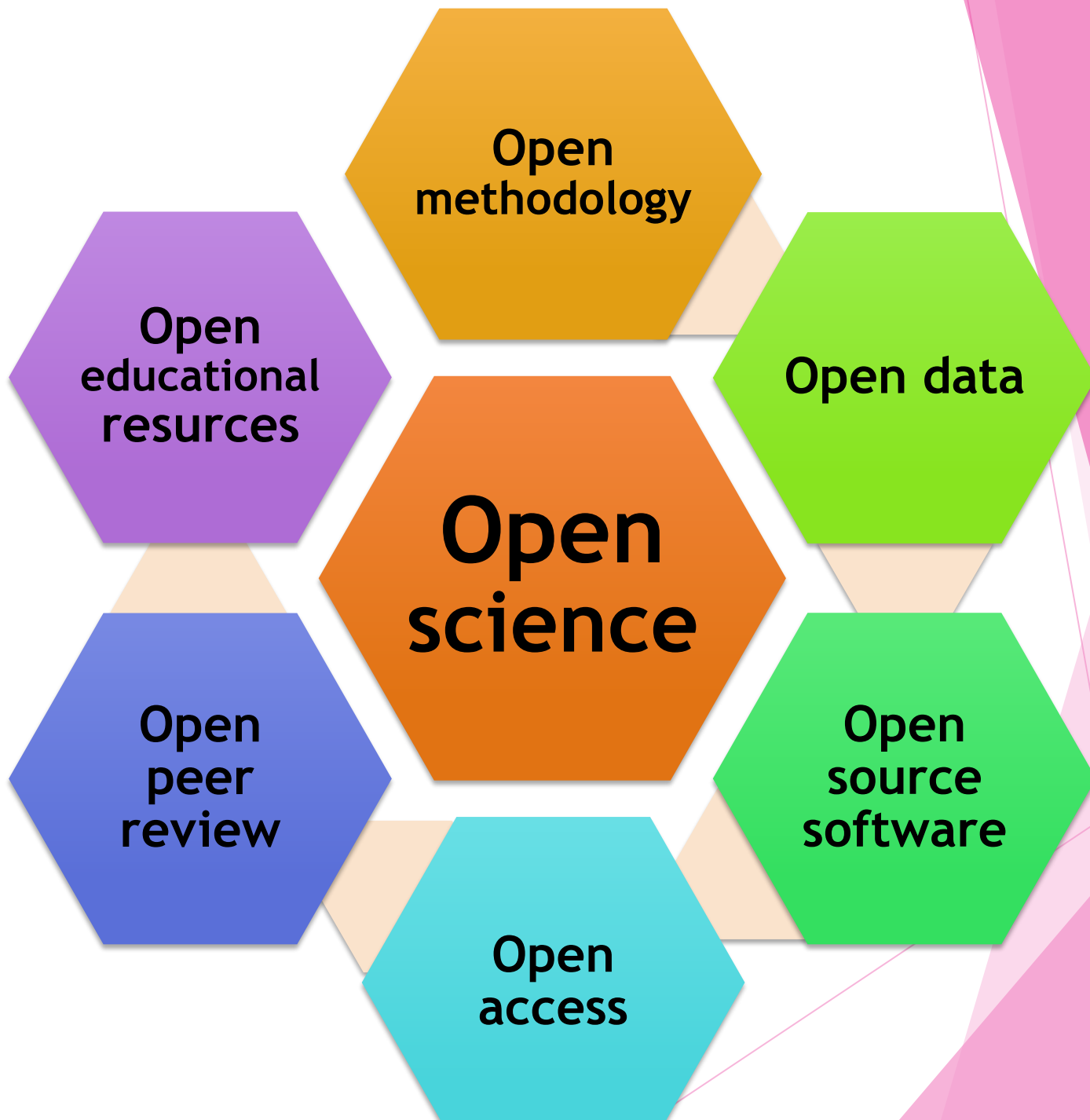


Open Science

Who pays for and who benefits from it?



- From developed countries
- From developing countries

Scientists

- APC
- BPC
- Institutional Agreements
- Subscriptions

Publishers



Citizens

- Education
- Citizen science

Industry 4.0

- Cloud
- Data
- IoT



FAIR data principles



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History of Open Access

arXiv (1991)

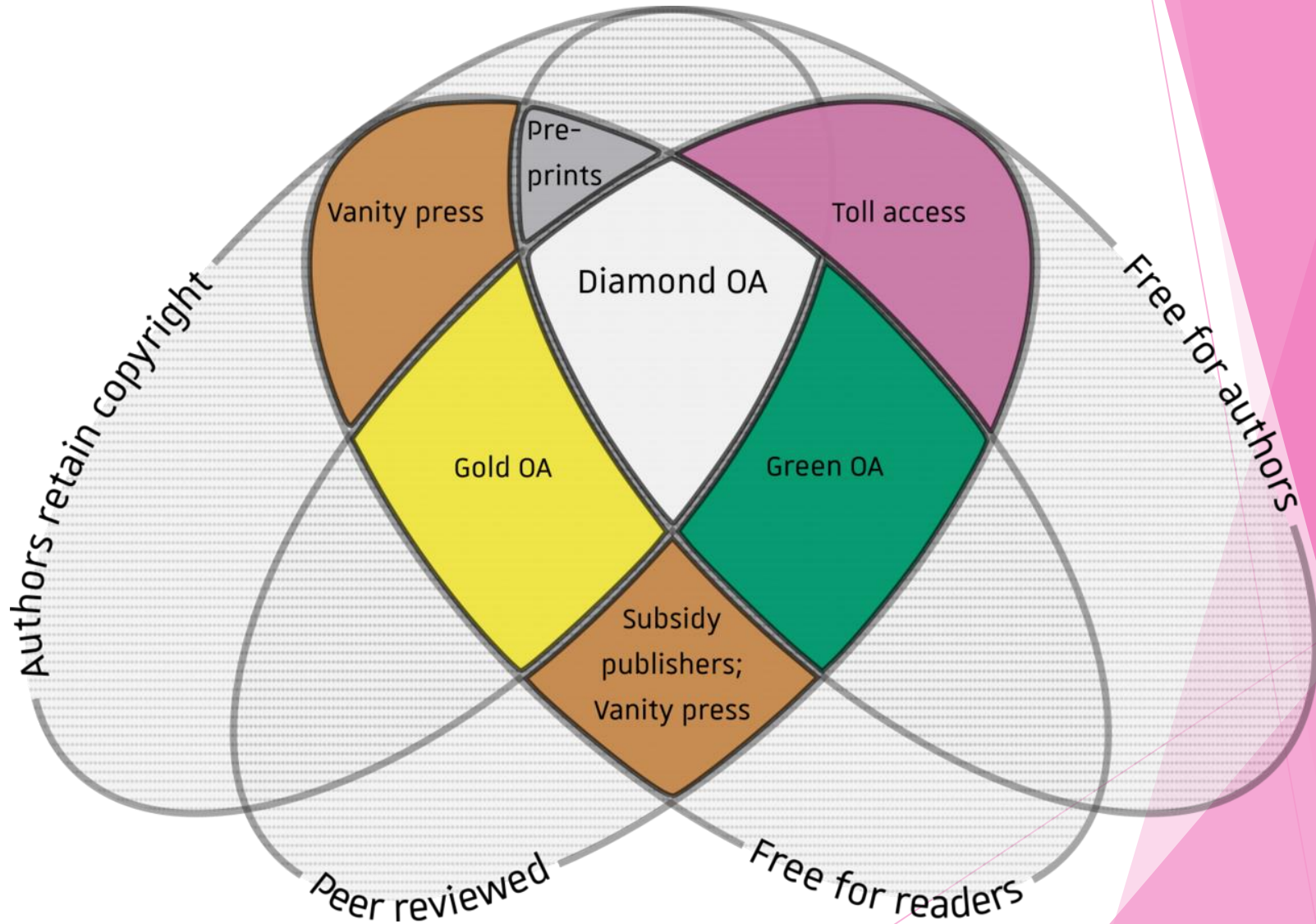
the ECHO
Charter (2002)

Berlin
Declaration on
Open Access to
Knowledge in
the Sciences
and Humanities
(2003)

**BUDAPEST
OPEN ACCESS
INITIATIVE
(2002)**

Bethesda
Statement on
Open Access
Publishing
(2003)

Routes to Open Access



Irony

RESEARCH-ARTICLE

Fostering open science to research using a taxonomy and an eLearning portal



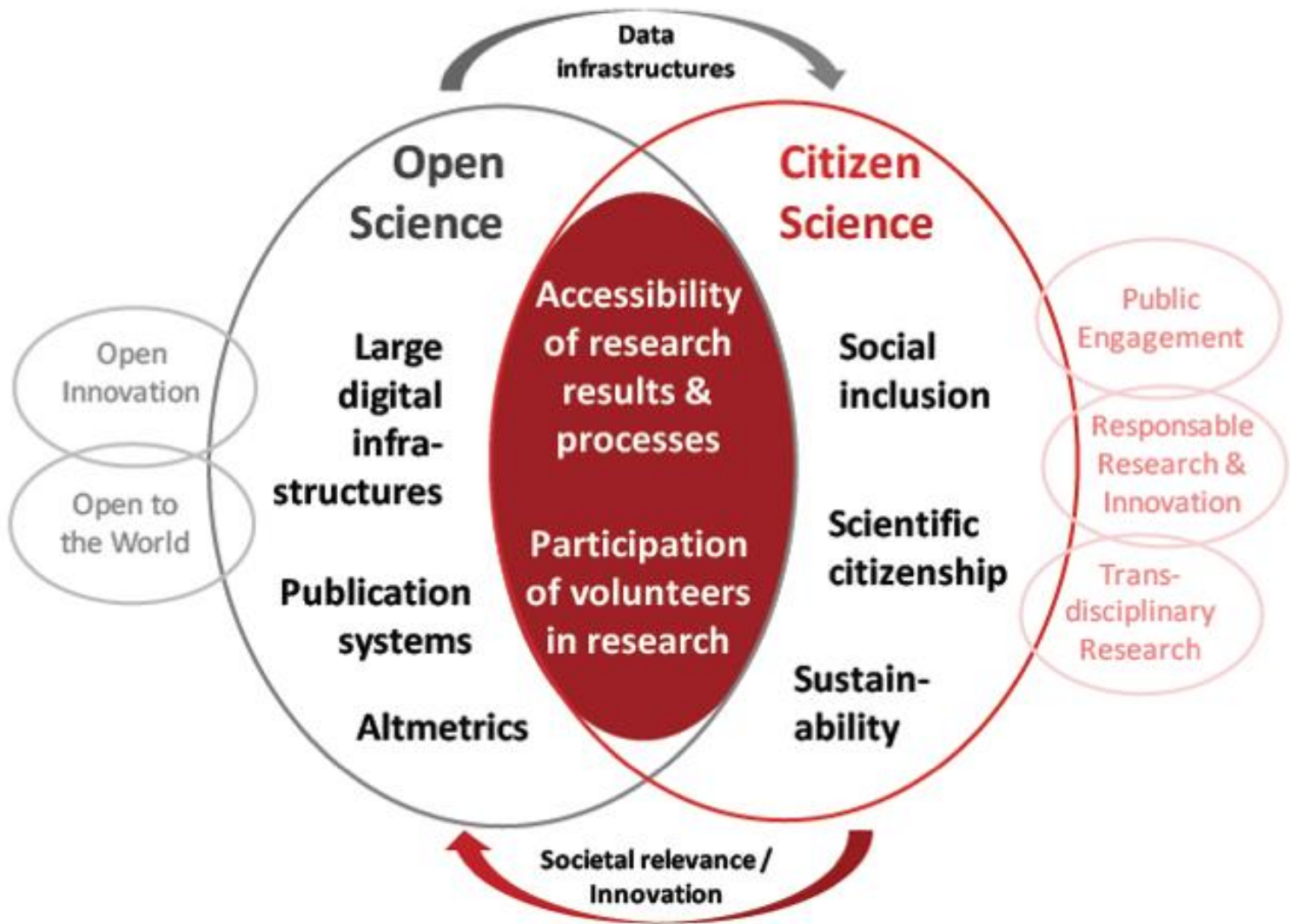
Authors:  [Nancy Pontika](#),  [Petr Knoth](#),  [Matteo Cancellieri](#),  [Samuel Pearce](#) [Authors Info & Claims](#)

i-KNOW '15: Proceedings of the 15th International Conference on Knowledge Technologies and Data-driven Business • October 2015 • Article No.: 11 • Pages 1–8 • <https://doi.org/10.1145/2809563.2809571>

Online: 21 October 2015 [Publication History](#)

 34  429





Research Integrity

1

RELIABILITY

in ensuring the quality of research, reflected in the design, the methodology, the analysis, and the use of resources.

HONESTY

in developing, undertaking, reviewing, reporting, and communicating research in a transparent, fair, full, and unbiased way.

2

3

RESPECT

for colleagues, research participants, society, ecosystems, cultural heritage, and the environment.

ACCOUNTABILITY

for research, from idea to publication, for its management and organisation, for training, supervision, and mentoring, and for its wider impact.

4

EOSC



EOSC Portal - A gateway to information and resources in EOSC

[Home](#) » [About](#) » [EOSC](#)

EOSC

The European Open Science Cloud (EOSC) is an environment for hosting and processing research data to support EU science.

The ambition of the European Open Science Cloud (EOSC) is to provide European researchers, innovators, companies and citizens with a federated and open multi-disciplinary environment where they can publish, find and re-use data, tools and services for research, innovation and educational purposes.

This environment will operate under well-defined conditions to ensure trust and safeguard the public interest.

The EOSC enables a step change across scientific communities and research infrastructures towards

- seamless access
- FAIR (Findability, Accessibility, Interoperability and Reusability) management
- reliable reuse of research data and all other digital objects produced along the research life cycle (e.g. methods, software and publications)

EOSC ultimately aims to develop a **Web of FAIR Data and services** for science in Europe upon which a wide range of value-added services can be built. These range from visualisation and analytics to long-term information preservation or the monitoring of the uptake of open science practices.

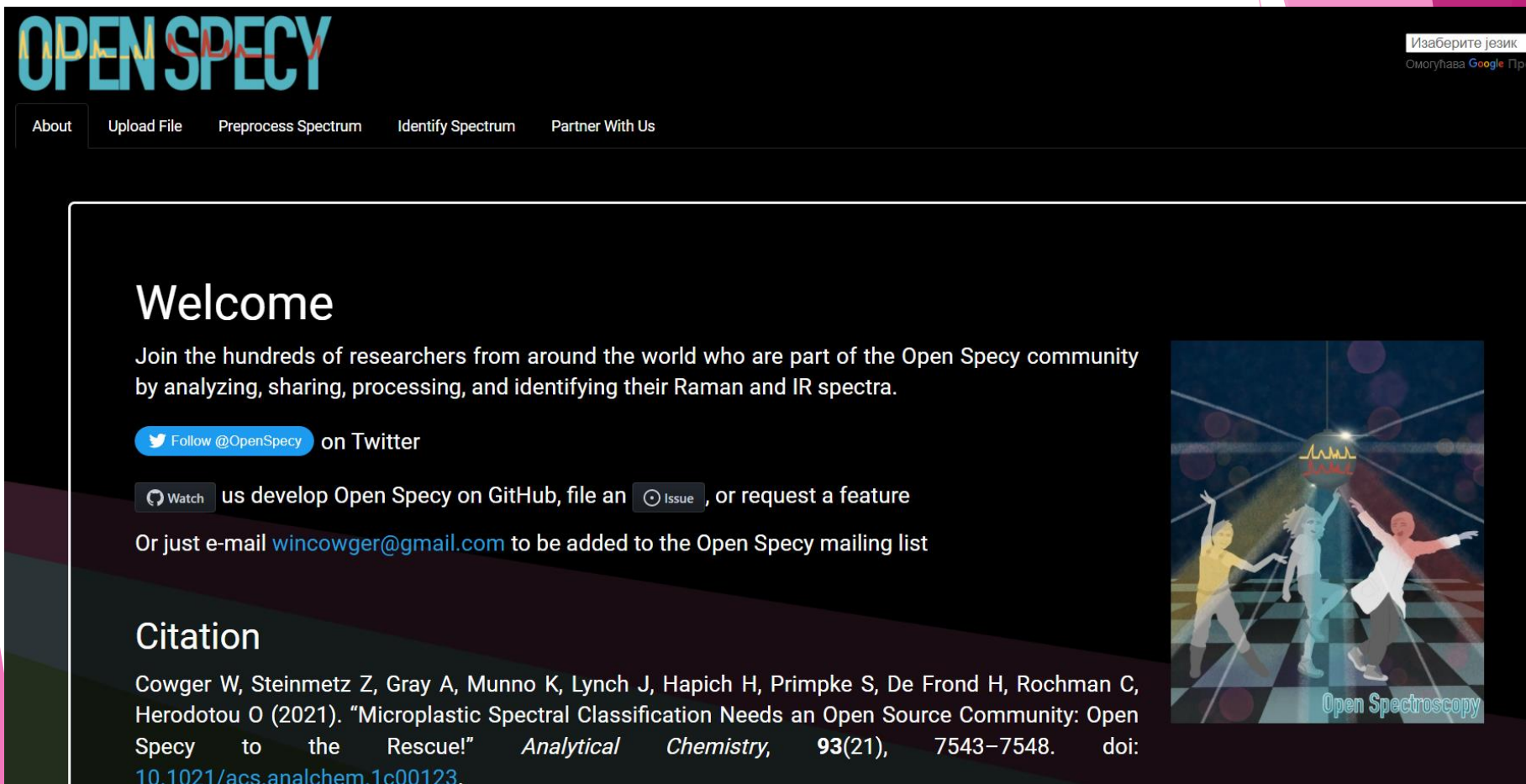
LATEST NEWS



[EOSC Interoperability Framework Survey](#)

On 25 March, the EOSC Future project hosted a webinar to collect

Open Specy



The screenshot shows the Open Specy website homepage. At the top left is the 'OPEN SPECY' logo in a stylized font. To the right of the logo is a language selection dropdown menu with the text 'Изаберите језик' and 'Омогућава Google Пре'. Below the logo is a navigation menu with the following items: 'About', 'Upload File', 'Preprocess Spectrum', 'Identify Spectrum', and 'Partner With Us'. The main content area features a 'Welcome' section with a heading 'Welcome' and a paragraph: 'Join the hundreds of researchers from around the world who are part of the Open Specy community by analyzing, sharing, processing, and identifying their Raman and IR spectra.' Below this is a blue button with a Twitter icon and the text 'Follow @OpenSpecy on Twitter'. Further down is a 'Watch' button followed by the text 'us develop Open Specy on GitHub, file an Issue, or request a feature'. Below that is the text 'Or just e-mail wincowger@gmail.com to be added to the Open Specy mailing list'. The 'Citation' section follows, with the heading 'Citation' and a paragraph: 'Cowger W, Steinmetz Z, Gray A, Munno K, Lynch J, Hapich H, Primpke S, De Frond H, Rochman C, Herodotou O (2021). "Microplastic Spectral Classification Needs an Open Source Community: Open Specy to the Rescue!" *Analytical Chemistry*, 93(21), 7543–7548. doi: [10.1021/acs.analchem.1c00123](https://doi.org/10.1021/acs.analchem.1c00123).' To the right of the text is an illustration of three stylized figures in a futuristic, glowing environment. One figure is holding a glowing sphere with a spectral waveform on it. The text 'Open Spectroscopy' is written at the bottom of the illustration.

Insead of Conclusions

- ▶ How do you see the future of Open Science?

Thank you for
your attention!