CORE

Seamless access to the world's open access research papers
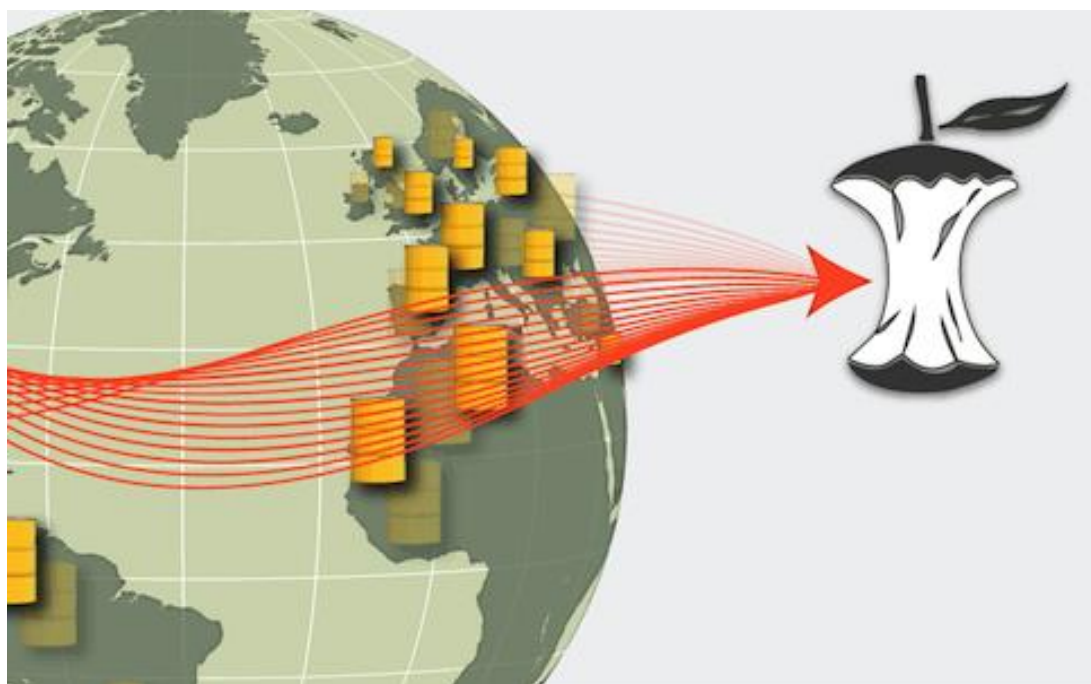
Nancy Pontika

Jisc

The Open University

core.ac.uk

Mission

*Aggregate all open access articles across relevant data sources worldwide, enrich this content and **provide seamless access to it through a set of data services …***

World's largest open access articles collection

> 135,116,215 Metadata

> 105,290,852 Abstracts

> 11,817,841 Hosted full texts

> 78,781,218 Links to full text

60TB of data
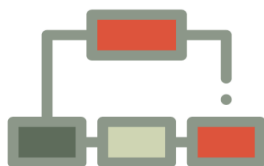
3,788 Data providers

~ 50k Journals

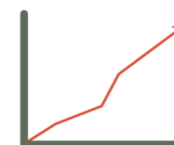CORE API

CORE Dataset

CORE Search

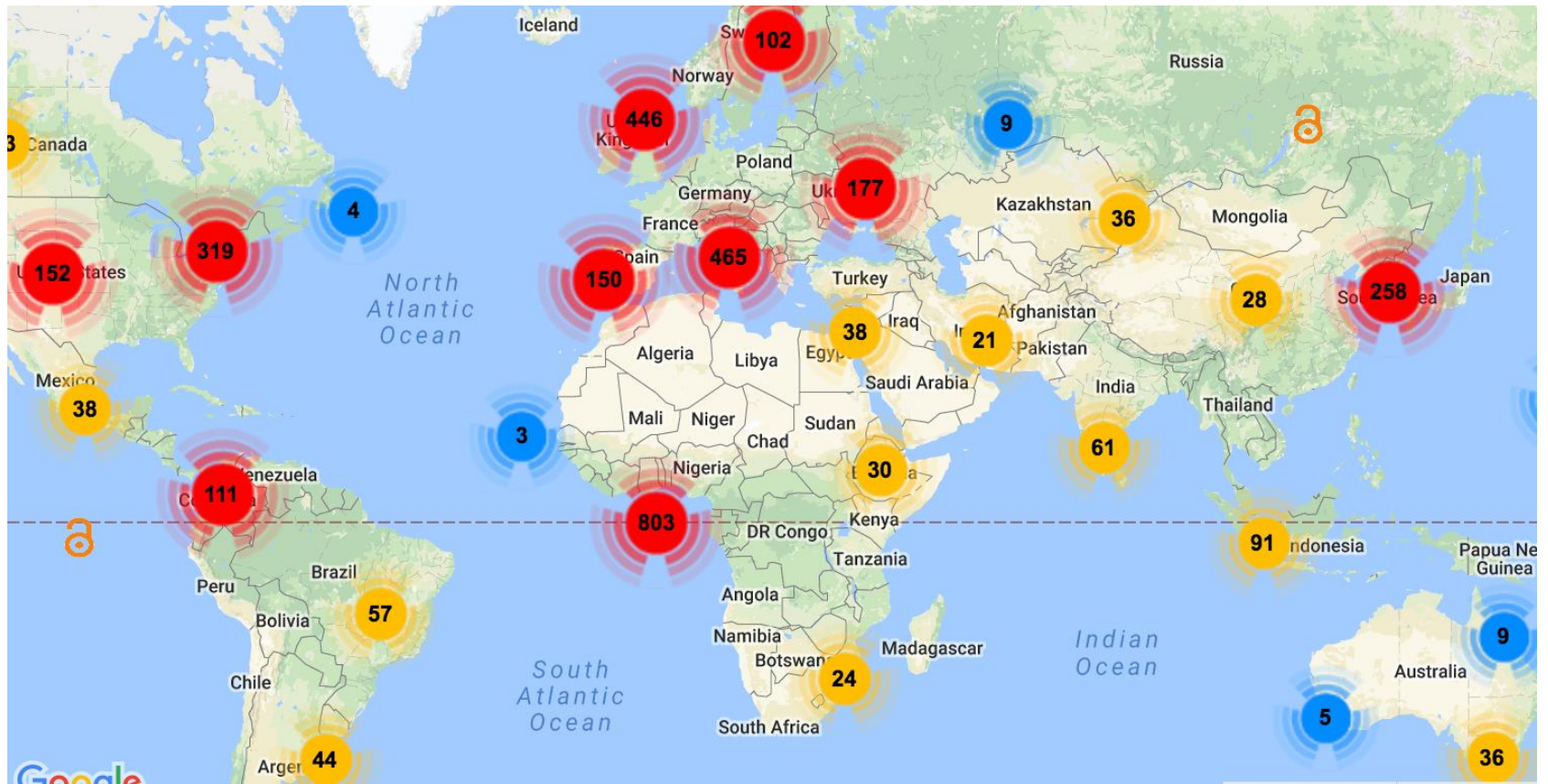CORE Repository Dashboard

CORE Publisher Connector
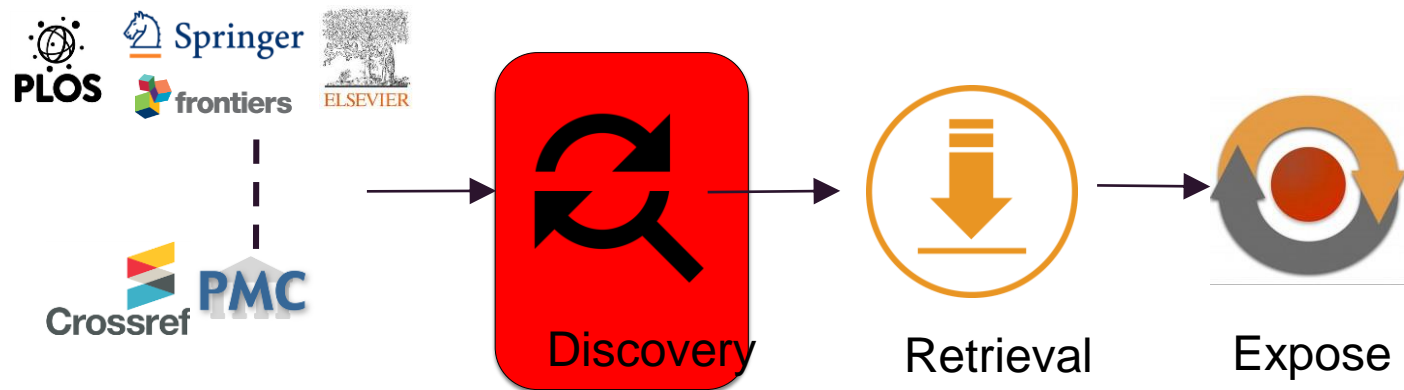
CORE SDKs

CORE Recommender

CORE Analytics Dashboard

CORE

Global reach

Harvesting

1. OAI-PMH
2. ResourceSync
3. Bespoke APIs of Publishers
4. Custom discovery service

CORE Search

Aggregating the world's open access research papers

We offer seamless access to millions of open access research papers, enrich the collected data for text-mining and provide unique services to the research community.

Read more   **Join us**

CORE Search

CORE Recommender

- Recommending relevant content to users from across the CORE's content
- Recommender plugin for repositories
- 23 repositories using it, e.g. Cambridge University

CORE API, data dumps, SDKs

- Enable others to programmatically interact with CORE data.
- Essential for developing applications that make use of information about research papers
- Supporting a variety of use cases
- >500 registered users, including companies for CORE API
- Use:
  - CORE API to interact with CORE in real time
  - CORE Data Dumps to run batch process, develop prototype applications and do research
  - CORE SDKs to gain easy access to CORE API from several programming languages
  - CORE FastSync
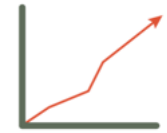
CORE API, data dumps, SDKs

CORE Dataset   **CORE API**   **CORE SDKs**

- It is beyond human capacities to read all scientific literature
- Example use cases in which CORE is applied:
  - Improving discovery
  - Plagiarism detection
  - Question answering in science
  - Literature based discovery
  - Fact checking and detection of misinformation
  - Analysing research trends
  - Finding experts in a particular domain
  - Research evaluation and scientometrics
  - Exploratory and visual search
  - …
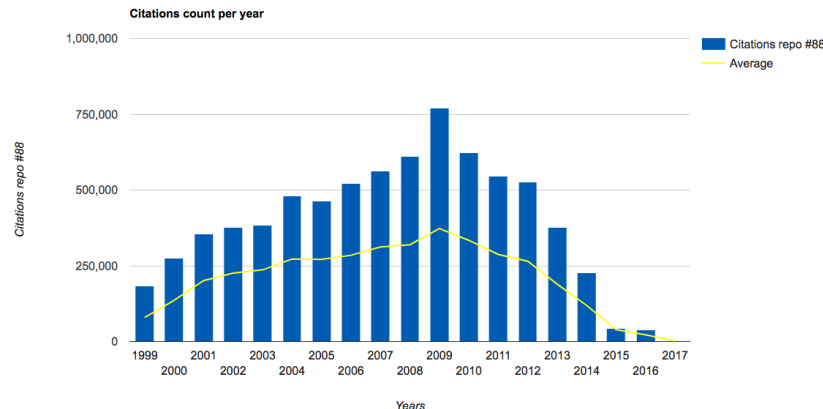
CORE

CORE Analytics Dashboard
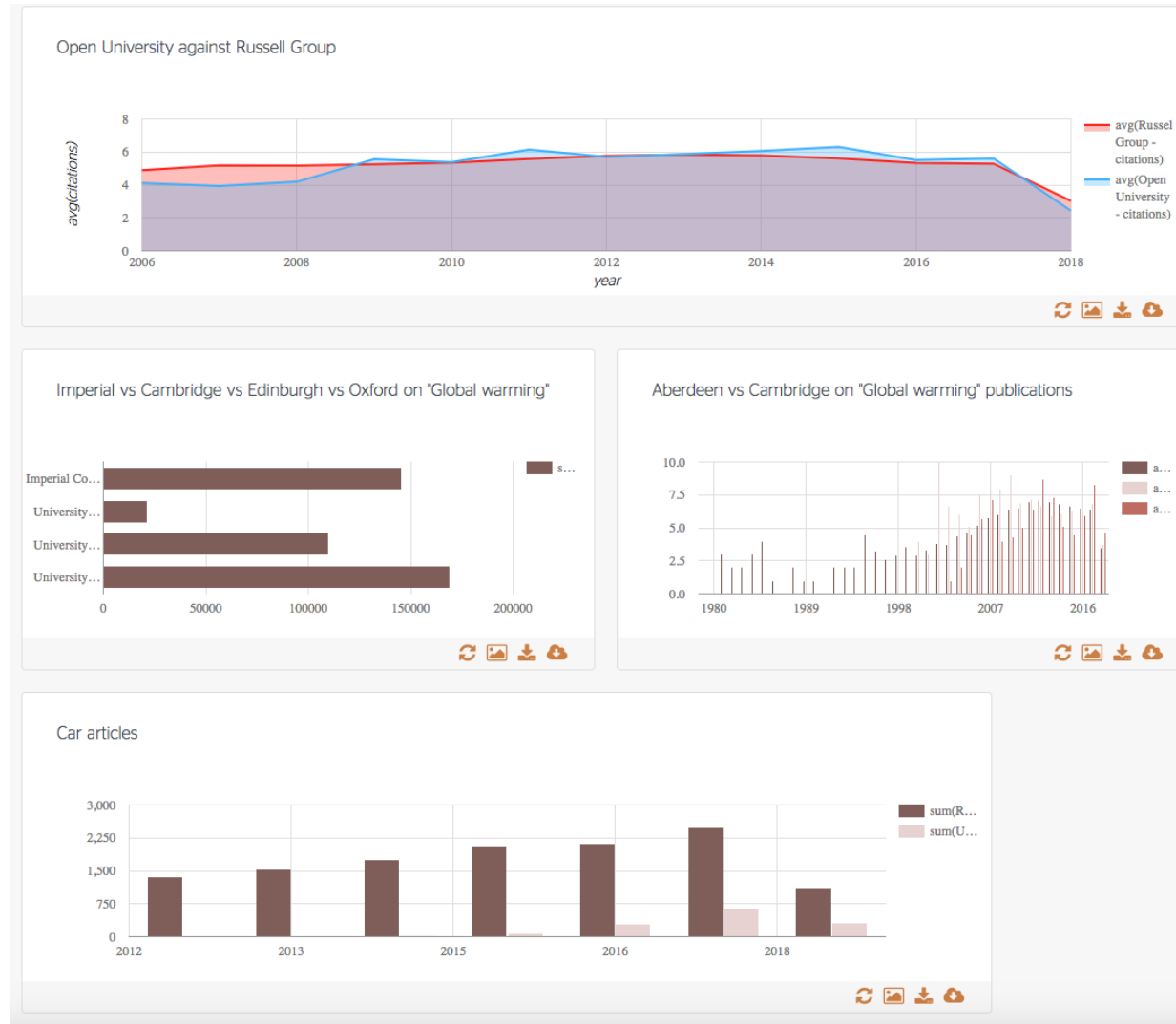

- Helps you analyse the impact of research at your institution.
- See how you perform against competitors.
- Slice and dice by discipline, field, any kind of a query

CORE Analytics Dashboard: sneak peek

- Customizable area

- Pre-defined widgets of standard data reports

Conclusions

- Global world's largest aggregator of open access papers
- A suite of data services for a variety of stakeholders
- Large user base
- Moving fast from research to a product. Always innovate.

Thank you!