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Impact and measurement of Open Access



OpenAIRE Workshop
14 February 2017, Oslo



@openaire_eu



Part I

Monitoring Open Access

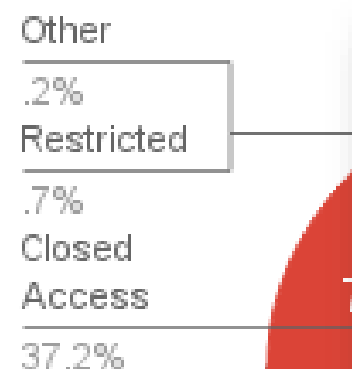
Measuring Open Access

Q: What is Open Access?

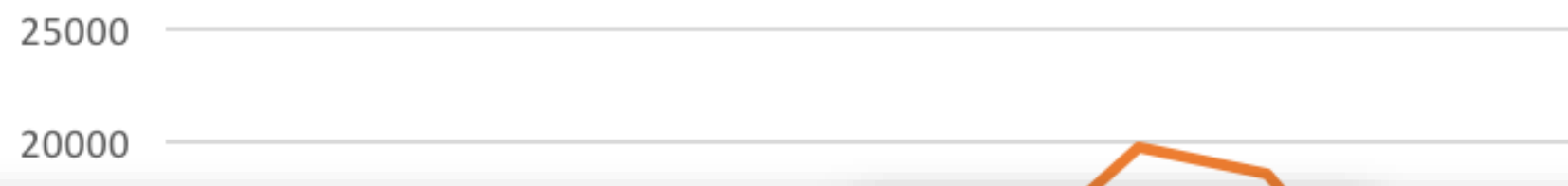
A: FAIR principles for both publications and data

OpenAIRE monitoring for EC

FP7 publications breakdown



FP7 Gold - Green

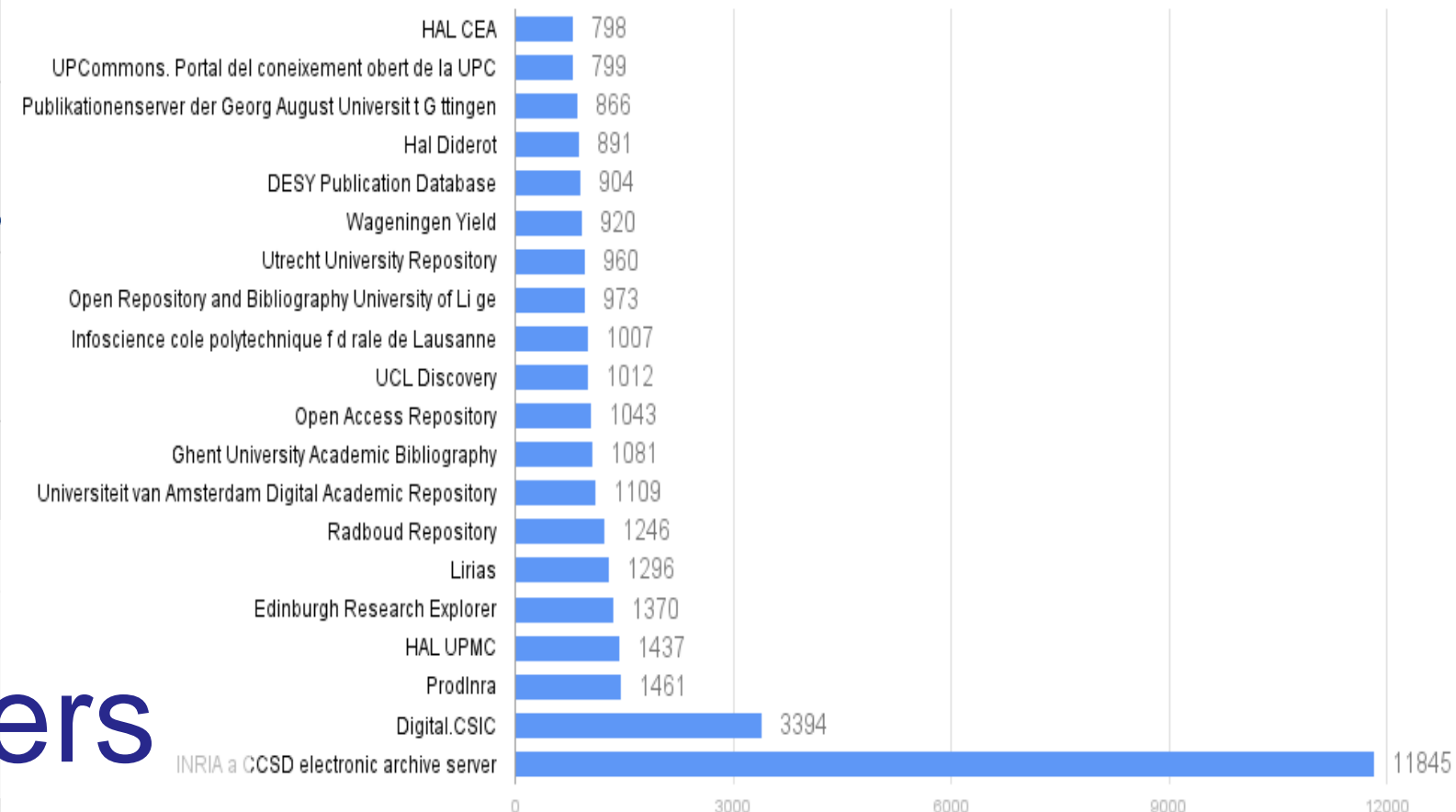


OA with DOIs

FP7 publications in institutional repositories



FP7 publications in institutional repositories (top 20)



...and other funders


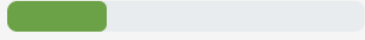


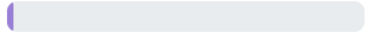

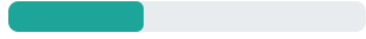
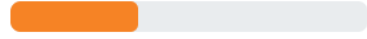
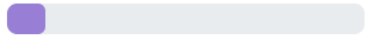



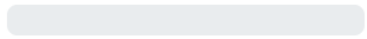

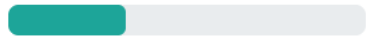

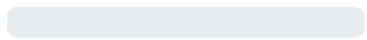

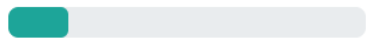
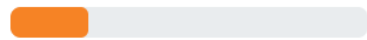
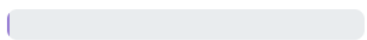



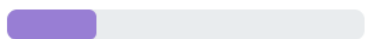



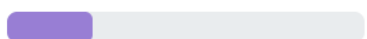







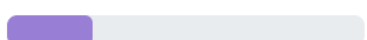
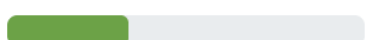


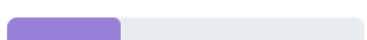



Measuring openness

Products	License measures	Availability measures	Permanence measures	Format measures
<ul style="list-style-type: none"> - articles - monographs - data - software etc. 	<ul style="list-style-type: none"> - Creative Commons - free to read - free to mine - embargoed and embargo length - pay-walled 	<p>Lots of different ways to measure availability.</p> <p>Examples:</p> <ul style="list-style-type: none"> metadata quality, discoverability, crawling, machine readability, links to other resources, public access to usage data 	<p>Official certification</p> <ul style="list-style-type: none"> - Yes - No - No but committed to long-term preservation 	<p>Per file formats (e.g., PDF, PDF-A, HTML, embedded figures, tables, csv, xls, json, xml)</p>

A proposal for an Openness score

OSI2016 – Open impacts working group

Open Science Monitor

Country	↓ ₁ Number of datasets	↓ ₁ Open licenses	↓ ₁ Machine readable	↓ ₁ Availability	↓ ₁ Metadata completeness
Austria	2377	80% 	28% 	72% 	69% 
Belgium	3742	2% 	59% 	38% 	36% 
Bulgaria	103	11% 	93% 	84% 	59% 
Croatia	9	0% 	100% 	33% 	69% 
Czech Republic	44	0% 	65% 	17% 	22% 
Denmark	995	1% 	53% 	69% 	57% 
Estonia	41	25% 	63% 	95% 	50% 
Finland	1769	24% 	49% 	80% 	79% 
France	15653	31% 	47% 	87% 	72% 
Germany	28892	24% 	34% 	51% 	55% 
Greece	716	32% 	78% 	82% 	62% 

Part II

The Impact of Open Access

Issues

- **Is it measurable? How**
 - For research
 - For innovation
 - For society
- **How does it relate to research assessment?**
 - For researchers
 - For funders

OpenAIRE Usage Statistics

- **Google-like analytics service**
 - For literature and data repositories
 - COUNTER conformant
 - Aggregate analysis
- **Interoperable with other frameworks**
 - E.g. IRUS-UK

Measuring OA impact

Fact: Different metrics for different purposes

Our job: Facilitate the process and make them available

Open Metrics Framework



Thank you!



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