Cost Calculator a tool for your DMP

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Why a cost calculator ?

In recent years, funding agencies, governments, and international organization have issued a series of research data management and sharing policies, like the H2020 [1]. Researchers are encouraged or required to share their production in an open way, including attached publications and data [2]. One consequence of those policies for researchers is the necessity of providing a **DMP** (Data Management Plan) when applying for funding.

Among the many information required in a **DMP**, some are dedicated to the **costs** the researchers will face **for their data management, storage or curation**. Those questions are usually painful, as the applicant has to have full knowledge of existing providers for storage, archive or publication services. These providers can be part of their institution or exist outside.

It's in this context that we developed an **online** tool, creating a **central place** for researchers to find and calculate their costs related to the data life-cycle [4].

An help for researchers

The tools is a **single webpage**, divided in three parts : a dynamic part in which the researcher can calculate his cost, a resume table that can exported, and a short manual for using the tool.

For calculating the cost, each provider is divided by **category** (for example Data Repository, Publication, ELN...)

Inside each category the researcher will find a selection of **providers** from his/her **institution** or from **outside** companies. If the provider is not included in the database, the researcher can add it **manually**.

The researcher can then adjust his needs and calculate the cost for the entire project. Most of the provider's options are included in order to reflect the exact cost.

If the **DMP** is in **another currency** a conversion can be done **directly** from the website, today rate is automatically applied.

When all the project is complete, the researcher can then **export** a table with all information to his **DMP** by a simple **copy past** from the website to his document.

The tool is also designed to **help** the researcher to prepare and think about his project : all the categories are automatically displayed in order to have **complete view** of the data life cycle they have links to the **library website** to find information about this particular step and furthermore when selecting a provider, links are also added.

Make it yours !!

From the beginning, it was clear for us that this tool should be **open** so others can install, personalize and use it for their own researchers.

That why the tool is **GPL** licensed meaning everyone can understand it and change the tool for its needs.

The web engine can be **easily installed** on any webserver or even directly from a GitHub repository (using pages). No external library are needed.

The cost **database** is directly included in the tools and it can be **easily changed** without any particular knowledge. A **documentation** is **attached** to the project in order for other to change the database and the website for their own installation.

The tool is completely **flexible**, categories can be removed or added, you can **add as many providers as you want**, different business model are already integrated to the tool.

Many **options** can be **adapted** by you directly (such as name, logo...) in order for you to personalize the tool.

Know more

The tool

rdmepfl.github.io/costcalc

Source code

github.com/rdmepfl/costcalc

This poster

petit.link/liber2019

ResearchData EPFL Library

researchdata.epfl.ch

[1] : Guedj, D., Ramjoué, C.: European Commission Policy on Open-Access to Scientific Publications and Research Data in Horizon 2020. Biomed Data J. 2015;1(1):11-14. DOI: http://dx.doi.org/10.11610/bmdj.01102

[2] : Whyte, A., Pryor, G.: Open Science in Practice: Researcher Perspectives and Participation. Int. J. Digit. Curation. 6, 199–213 (2011). DOI : https://doi.org/10.2218/ijdc.v6i1.182

[3a] : Peters, C., Dryden, A.R.: Assessing the Academic Library's Role in Campus-Wide Research Data Management: A First Step at the University of Houston. Sci. Technol. Libr. 30, 387–403 (2011). DOI : https://doi.org/10.1080/0194262X.2011.626340

[3b] : Tenopir, C. et al.: Research Data Services in European Academic Research Libraries, LIBER Quarterly, vol. 27, n° 1, 23–44 (2017). DOI : http://doi.org/10.18352/lq.10180

[4] : Cost Calculator, A. Masson, EPFL Library DOI: http://dx.doi.org/10.5281/zenodo.1469035 https://rdmepfl.github.io/costcalc/

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