

Saving data about data

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A problem faced by Indico¹ users is that they only save presentations and not the data about the presentation. To solve this we want to make code for Indico² users that saves not only presentations used during conferences but also the data about the presentation. This will make it easier to find the presentation, going from looking for a needle in a haystack to searching for a book in the library. The code will upload the presentation and its data to the data saving website Zenodo³ which will give it its own personal Digital Object Identifier⁴ (DOI), which is the equivalent of a social security number for a webpage. To find a webpage you can just input its DOI in the search box.

Saving to Zenodo will also help the creator of the work, making it possible to perform updates and see how many times the work has been used. Zenodo also helps fulfill the FAIR principle where F stands for findable, A stands for accessible, I stands for interoperable and R stands for reusable. This basically means we want to be able to find and have access to the work. The work should also not crash or be impossible to view just because someone is using an apple instead of a pc or firefox instead of google chrome. Others should also be able to use the information of the work.

The code I have written saves these presentations and their data on Zenodo, which will not only give it a DOI but the its own webpage that:

- Show how many times the work has been viewed or downloaded
- Tells the reader which version is uploaded in case of multiple versions
- Contains the date it was uploaded
- Contains information and links about the conference where the work has been presented and which groups it might interest
- Contains information about license it is shared under
- Is indexed in OpenAIRE⁵ so people can search for it

The code is a prototype and does not work yet, but it is available on GitHub and can be modified and developed by others.

¹ <https://getindico.io>

² <https://getindico.io>

³ <https://zenodo.org>

⁴ <https://www.doi.org>

⁵ <https://explore.openaire.eu/>

