A Google Sheet Add-on for Biodiversity Data Standardization and Sharing
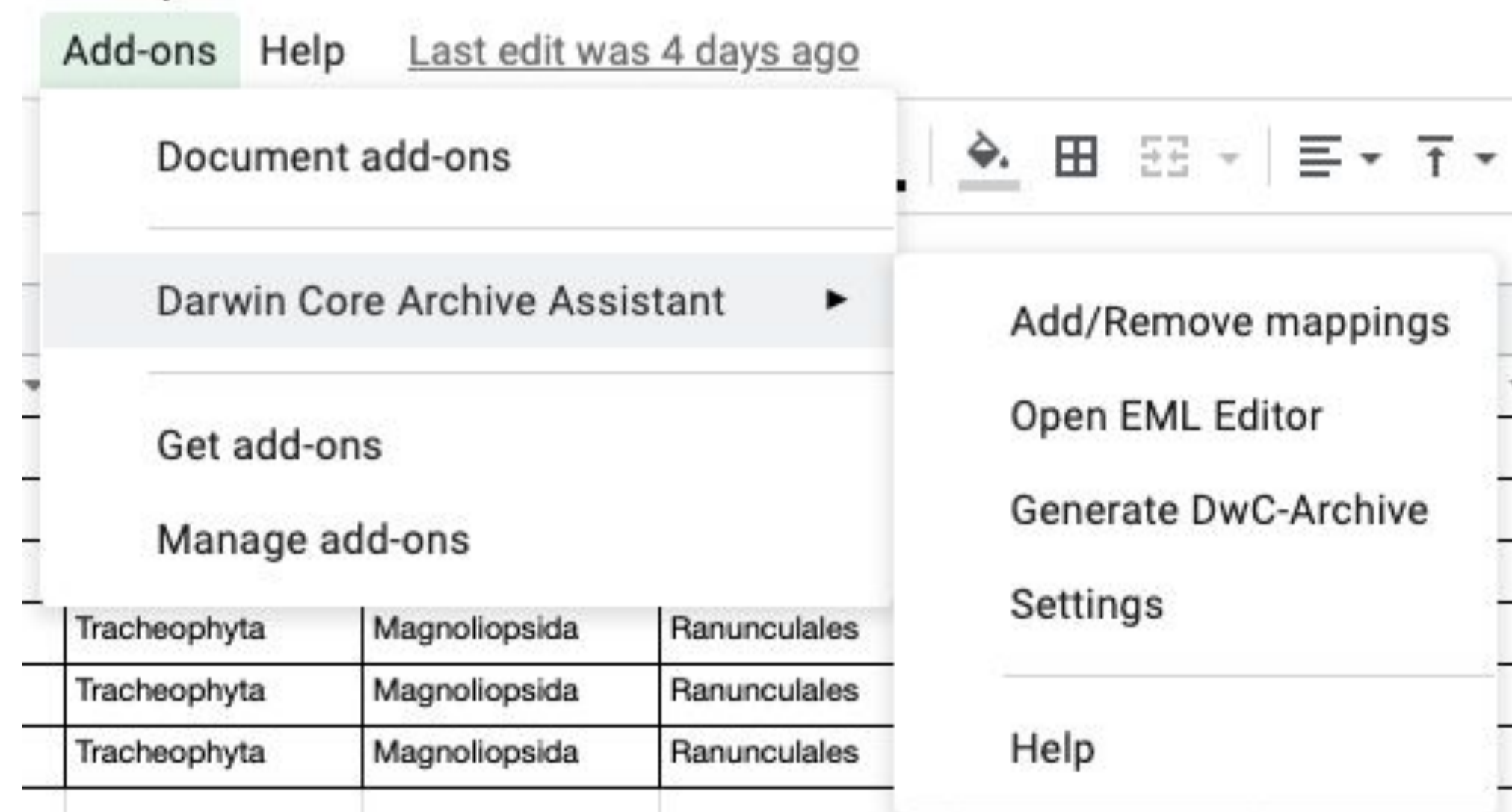
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Rationale
- Help biologists and biodiversity data managers who are unfamiliar with information science data practices of data standardization.
- Explore the benefits of electronic spreadsheets to store and share data.
- Biologists are historically familiar with spreadsheets to digitize their data.
- Assist the creation of Darwin Core Archives (DwC-A).
- A complementary tool to use with Integrated Publishing Toolkit (IPT) and GBIF API.
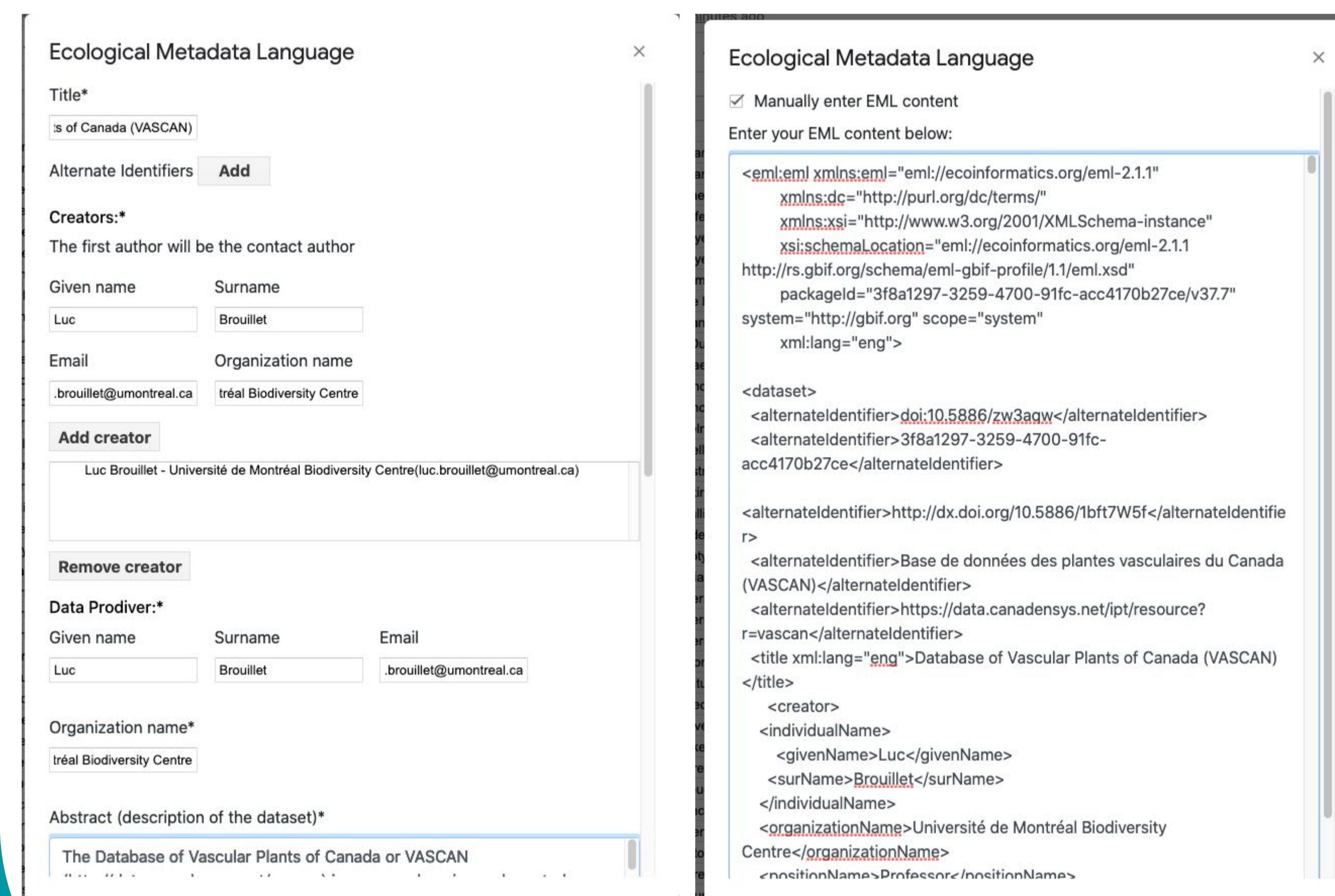
1. Add-on menu
- Add/remove columns mapping to Darwin Core terms
- Open Ecological Metadata Language (EML) editor.
- Generate a DwC-A for mapped sheets in the document.
- Settings to set up Zenodo integration.

2. Mapping columns to DwC terms
- Drop down list with DwC terms.
- Autocomplete and filtering the list of terms.

3. The EML editor
- The simplified form includes the IPT mandatory EML terms.
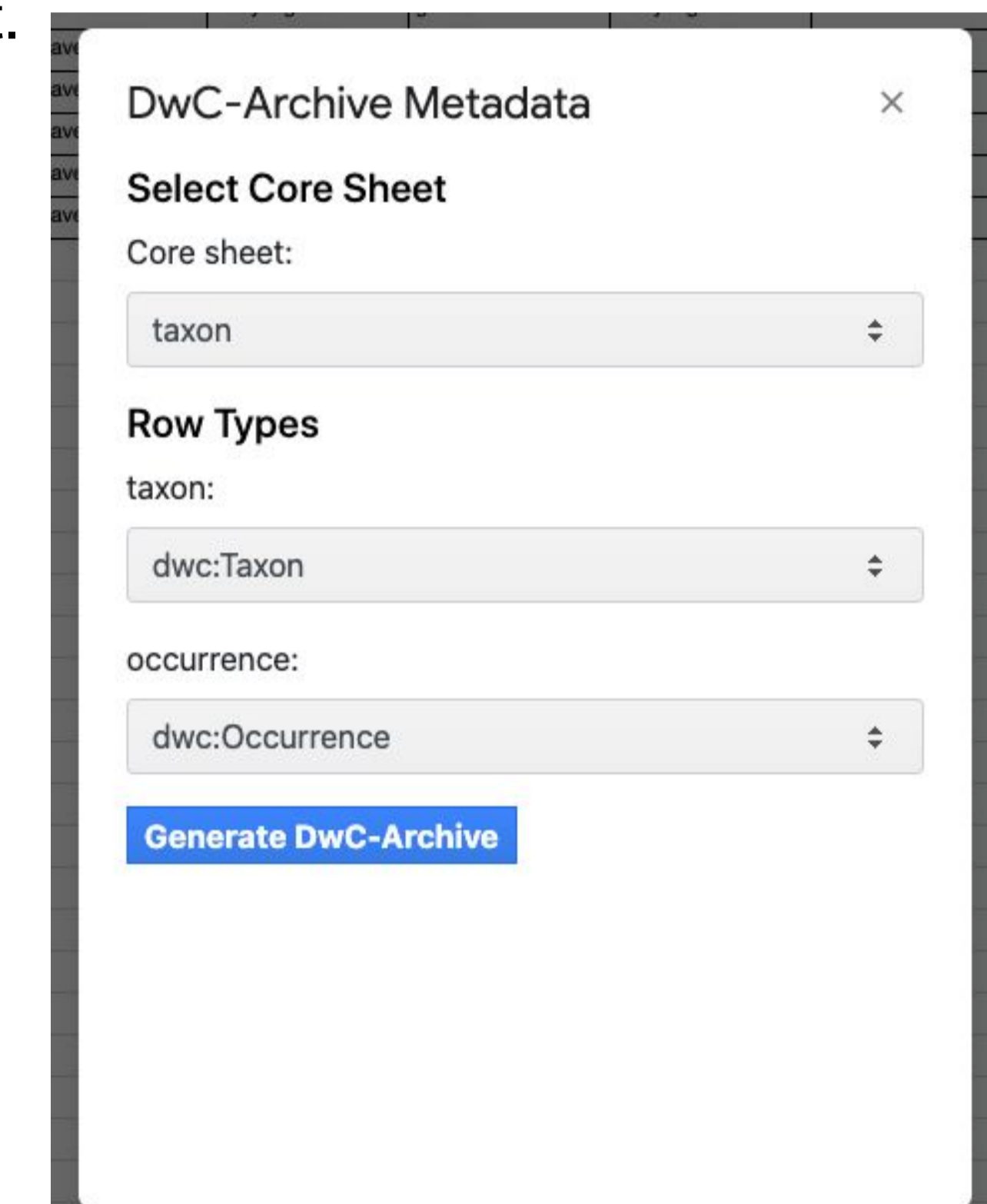- Alternatively user's can provide EML content generated by third-party tool.

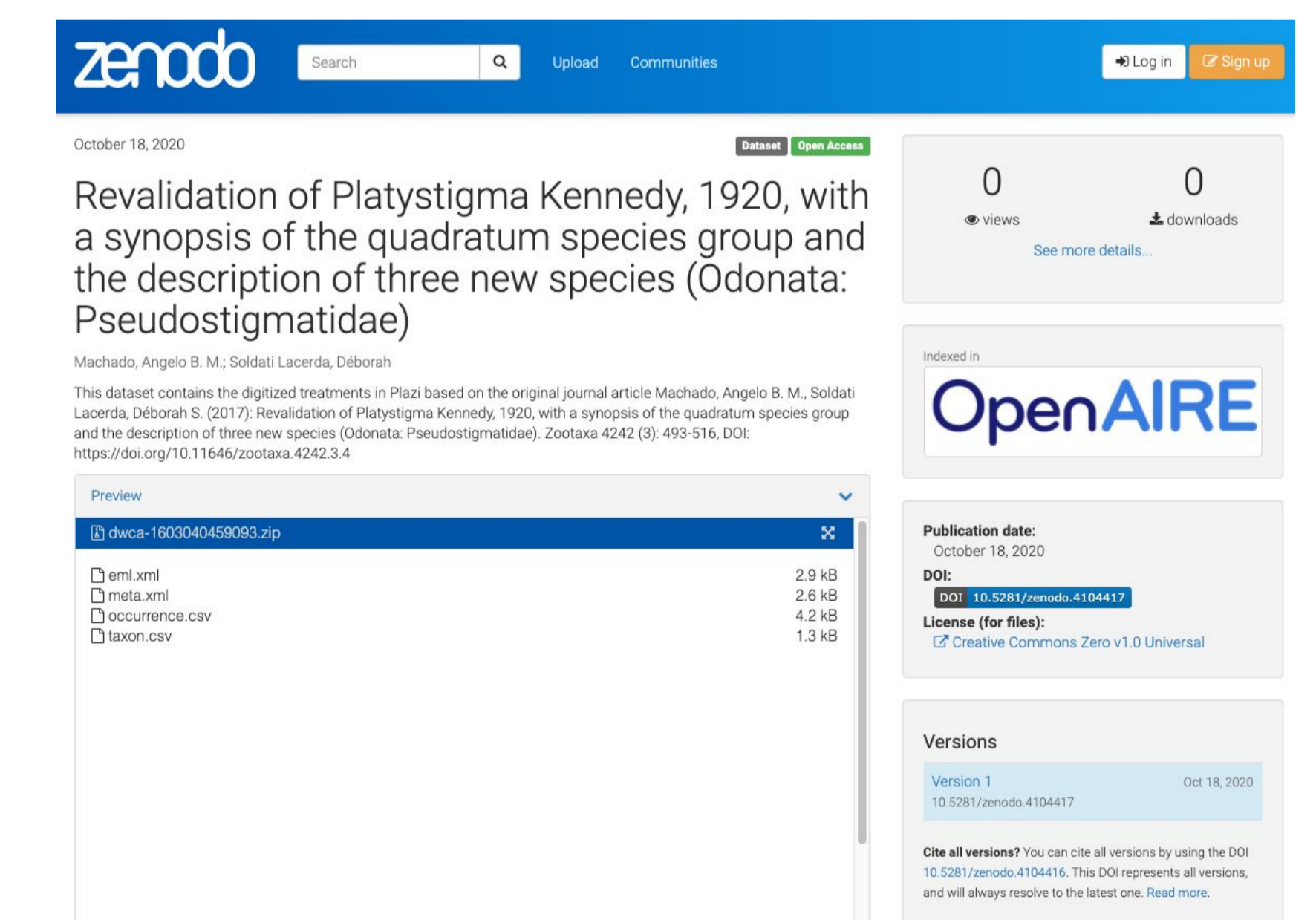## 4. Generate DwC-A
- Set the **core sheet** (DwC-A core file)
- Set **row types** (i.e. DwC classes) for each mapped sheet.
- Generate DwC-A and store it in user's Google Drive.
- Additionally, publishes DwC-A to user's Zenodo account.

5. Publish to Zenodo
- Persistent datasrt identifier (DOI)
- Easy data citation and sharing

Available on Google Workspace Marketplace
More information at: https://dwcaassistant.com/