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# Creating a Customizable Open Source Dataverse Widget for Website Integration

Dataverse community meeting - June 2022

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# Context

## Center for Socio-Political Data (CDSP)

- Created in 2006
- Part of Sciences Po & the CNRS
- Based in Paris

## Timeline

- 2006-2020: Nesstar
- 2017: [current CDSP's website](#)
- 2020: [data.sciencespo](#) (Dataverse)

The screenshot shows the website for Sciences Po Centre de Données Socio-Politiques (CDSP). The header includes navigation links for 'ÉTUDIANTS', 'ENSEIGNANTS / CHERCHEURS', 'ENTREPRISES', 'ALUMNI & DONATEURS', and 'RESSOURCES', along with social media icons and an 'ENGLISH' language selector. The main navigation bar lists 'LE CDSP', 'DONNÉES', 'SERVICES', and 'PROJETS'. The breadcrumb trail indicates the current location: 'Accueil > Ressources en ligne'. A search bar with the placeholder 'Recherche...' and a magnifying glass icon is present. The main content area displays a list of resources, with a sidebar for filtering. The sidebar includes a 'Filtrer par' section with a refresh icon, an 'Inverser l'ordre des Items' checkbox, a 'Type' section with checkboxes for 'Enquête qualitative /17', 'Enquête quantitative /191', and 'Résultats électoraux /142', and a 'Thèmes' section with checkboxes for 'Administration /4', 'Comportements politiques /79', and 'Culture /19'. The main list shows '350 ressources en ligne' and three items: 'Enquête annuelle ELIPSS - vague 8 (2021)', 'Faire face au Covid-19 - vague 1 (2020)', and 'Faire face au Covid-19 - vague 2 (2020)'. Each item is followed by 'Enquête quantitative - [Year]'.

Datasets showcase page on the current CDSP's website

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# The problem

- Efficiency and workflow issue: each dataset entry are manually created
  - Redundancy: content from our website and our Dataverse is similar
- High maintenance cost & not motivating / rewarding

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# The vision

- Easy way to integrate data from a Dataverse instance
- Adapt it to your usage and webpage design language (customization: style, features)
- Use cases examples:
  - Research center
  - Personal page (researcher or other)
  - Display datasets in a collection or with a common theme

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# Prototype demo & use case example

<https://github.com/CDSP-SCPO/dataverse-feed>

## Dataverse Feed

This is an example page using [CDSP-SCPO/dataverse-feed](#) with the [data.sciencespo](#) Dataverse instance. Here are the datasets from the [CDSP](#) collection:

Search...	Search
Publication Year	▼
Topic Classification Term	▼
Author Name	▼
Subject	▼
Keyword Term	▼
Time Period Covered Start	▼
Time Period Covered End	▼
Geographic Coverage Country / Nation	▼
Language	▼

359 items

### Connaissance et perception des questions démographiques (2018)

De Luca Barrusse, Virginie; Andro, Armelle; Avdeev, Alexandre; Dejoux, Virginie; Lefevre, Cécile; Orain, Renaud; Scodellaro, Claire; Veron, Jacques, 2020, "Connaissance et perception des questions démographiques (2018)", <https://doi.org/10.21410/7E4/GVFUER>, data.sciencespo, V6, UNF:6:UyHfVYGxHDxxVbqgEEM/xA== [fileUNF]

L'enquête Connaissance et perception des questions démographiques (POP-AWARE) vise à interroger les connaissances et la perception des questions démographiques de la population générale et à prendre en considération ce qu'elles doivent à leur vulgarisation. Il s'agit de mesurer la convergence d'opinions et d'informations qui produisent un ensemble d'idées et qui conduisent à la compréhension plus...

View

doi:10.21410/7E4/GVFUER

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# How to use & current features

- Add the widget to any webpage in a few lines of code
- Search
- Facets
- Pagination
- Customization
  - Search API parameters support:
    - Query, number of items per page, collection, ordering
  - Show/hide search field
  - Show/hide facets
  - Support for styling

```
<script type="module" defer>
import createFeed from "/PATH_TO_JS";
createFeed(
  document.getElementById('ELEMENT_ID'),
  {
    domain: "DATAVERSE_URL",
    params: {},
  },
);
</script>
```

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# Current limitations & possible improvements

- Multilingualism
- Older browsers
- Support for more search API parameters
- Support for other item types (collections, files)
- Add different ways to display the list and items (templates)
- Un-bootstrap it
- ...

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# Thank you!

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