



Resi

Resee Sida's results

Christoffer Klang, Mikael Zwahlen, Eric Kuan, Sharon Yeo

Messy Problem

Currently impossible to **quickly** show the public a **visual summary** of all the **results** Sida has achieved.



Vastly different types
of results in EN/SV

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100 000 files scattered
across openaid.se



Problem Focus

How can we visually
summarize *qualitative* results
hidden in *pdf* files?



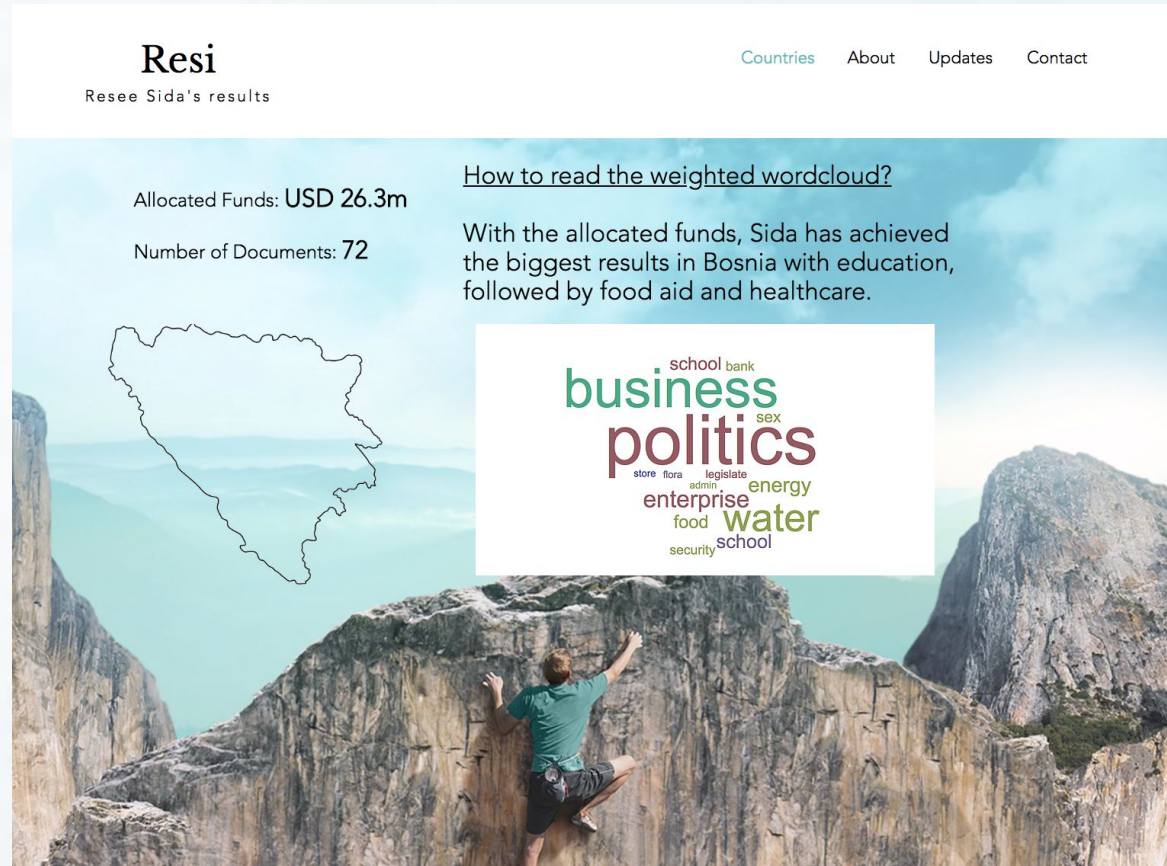
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Idea for Change

Weighted
wordcloud

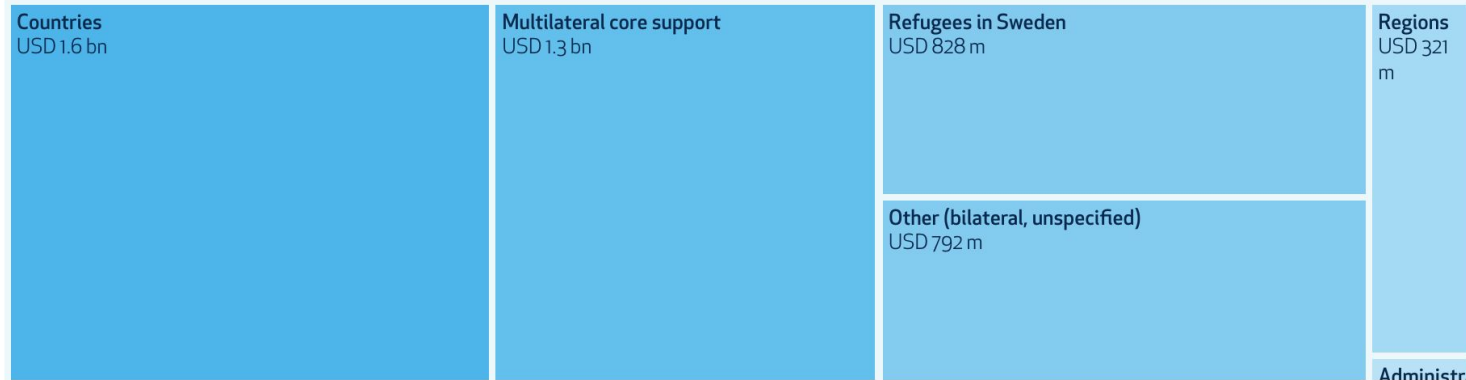
Pretty Smart Solution



www.resi.se

Sweden's ▾ aid to the world ▾ via all organisations ▾ for all sectors ▾ 2017 ▾ **Resee Results**

Total aid by recipient type



3942 activities 2017 with the combined value of **USD 4.9 bn**, summarized by

Granting agencies Recipient Organisations Sectors Activities

A-Z 0-9

Export 3942 activities ▾

Countries	USD 1.6 bn
Multilateral core support	USD 1.3 bn
Refugees in Sweden	USD 828 m
Other (bilateral, unspecified)	USD 792 m

Welcome to Openaid.se

Openaid.se is a web-based information service about Swedish aid built on open government data.

On this site, you can follow when, to whom and for what purposes aid funds have been disbursed, and with what results.

Please note that the data sets for 2017 and 2018

Header catches public eye

CA DePaolo, K Wilkinson - TechTrends, 2014 - Springer

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One possible way in which word clouds can be used in assessment is to gauge the use of key words in student responses to essay or short answer questions. For example, in a statistics course, an instructor wished to assess if students understand

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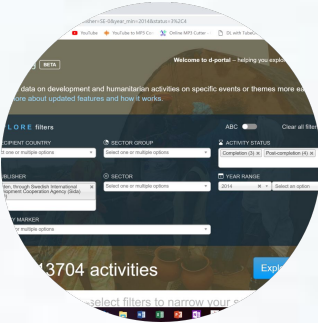


F Heimerl, S Lohmann, S Lange... - System Sciences (HICSS ..., 2014 - ieeexplore.ieee.org

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Solution: How?

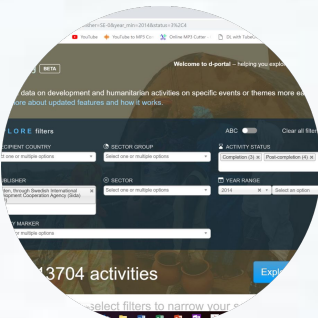
Locate pdf files



- 1) Get IATI-identifiers
- 2) Make API calls
- 3) Filter activities
- 4) Obtain URLs
- 5) Determine language

Solution: How?

Locate pdf files



Automate with code

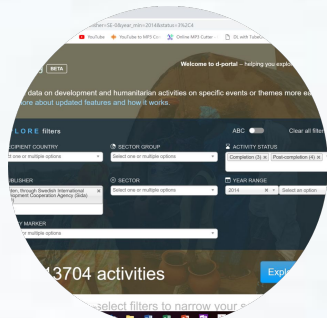


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- 1) Run NLP locally
- 2) Stem words
- 3) Remove stop words
- 4) Filter pre-defined keywords
- 4) Weigh keywords (k-NN)

Solution: How?

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Qualitatively visualise



- 1) Fetch JSON data
- 2) Generate word cloud



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Thank you

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