Using R for Social Network Analysis of Philanthropy

LEVERAGING RELATIONAL DATA FOR SMARTER GIVING

Marko Galjak

Marko Galjak

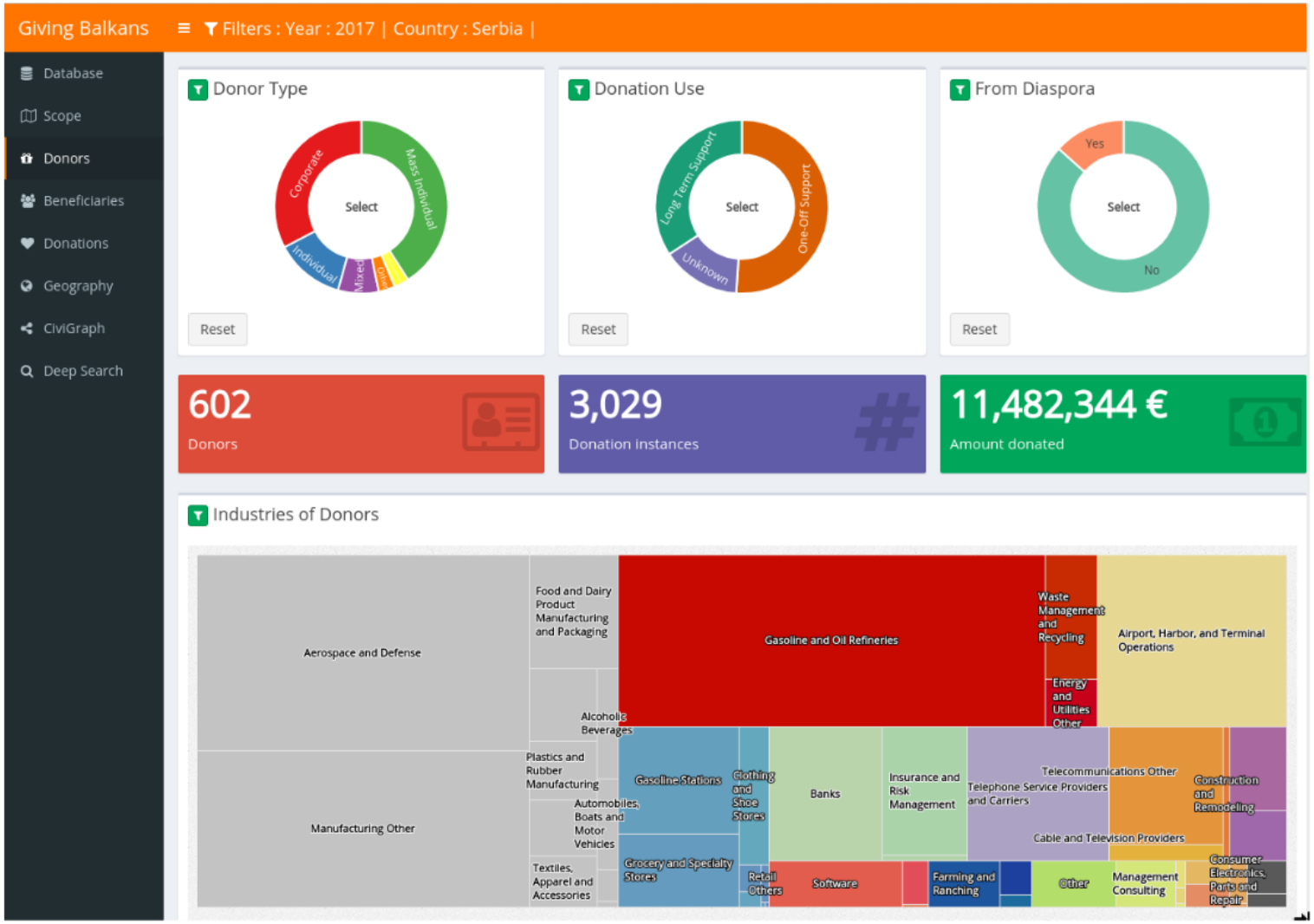
Data Scientist
Catalyst Balkans

Research Assistant
Institute of Social Sciences

givingbalkans.org

Shiny

Drupal



HIGHCHARTS

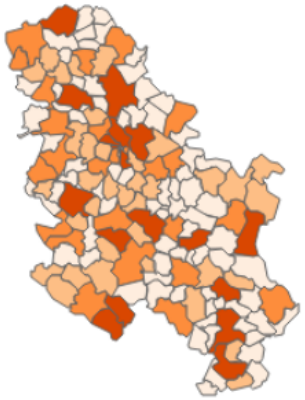
plotly

Shiny

Giving Balkans ≡ Filters : Year : All | Country : Serbia |

- Database
- Scope
- Donors
- Beneficiaries
- Donations
- Geography
- CiviGraph
- Deep Search

Municipalities



Search Municipalities

Pančevo

Number | Map shows total

Total amount given: 520,461.0 €
Total number of donations: 186

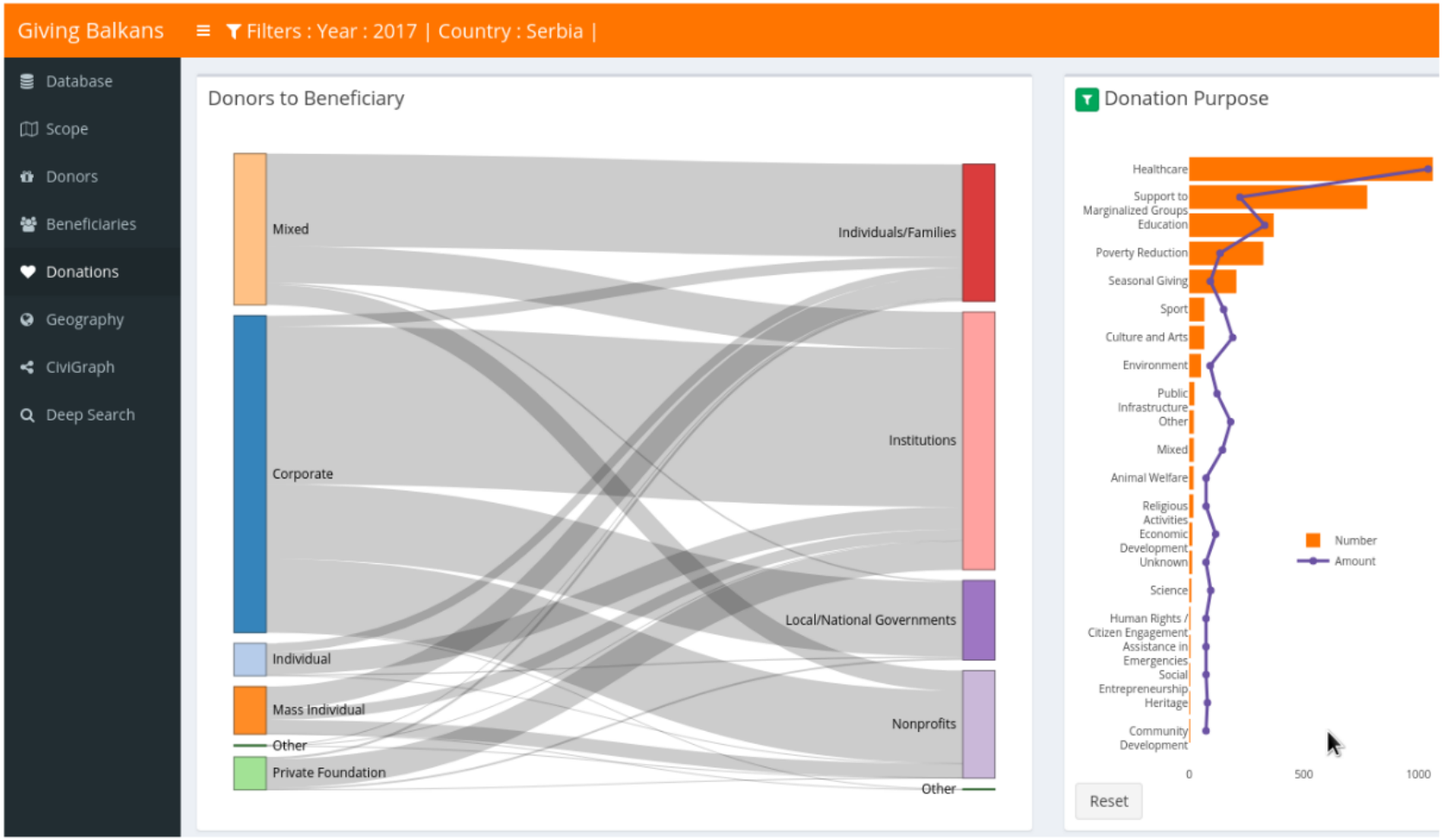
Copy CSV Print

Donor	Beneficiary	Amount(€)	Date
Milan Popović	Pančevo General Hospital	233000	2014-12-25
Almex d.o.o.	Pančevo General Hospital	50000	2017-10-08
NIS a.d. Novi Sad	Pančevo Cultural Center	31965	2017-10-13
NIS a.d. Novi Sad	Technical High School 23. maj	26756	2017-10-13

DataTables

Leaflet

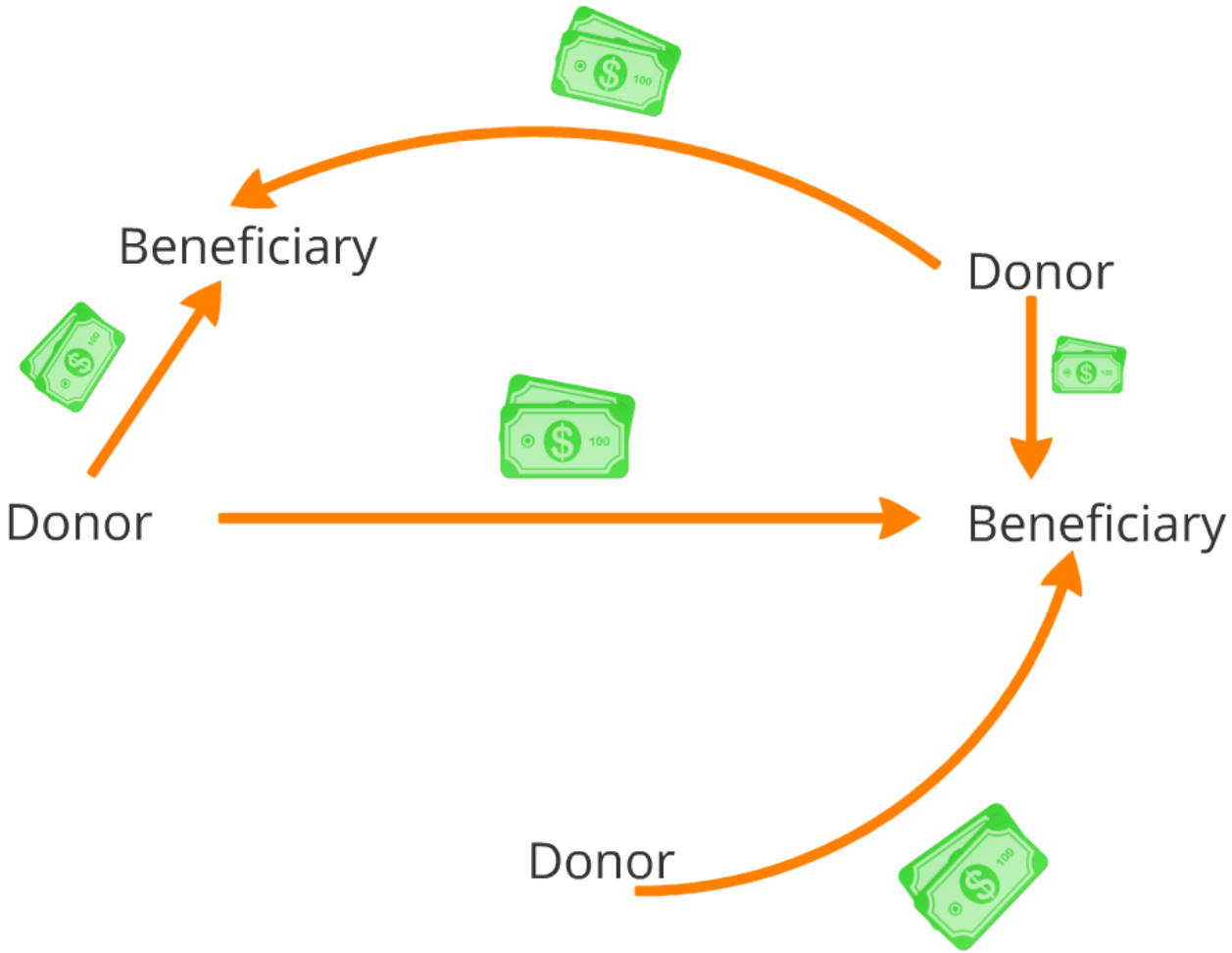
Shiny

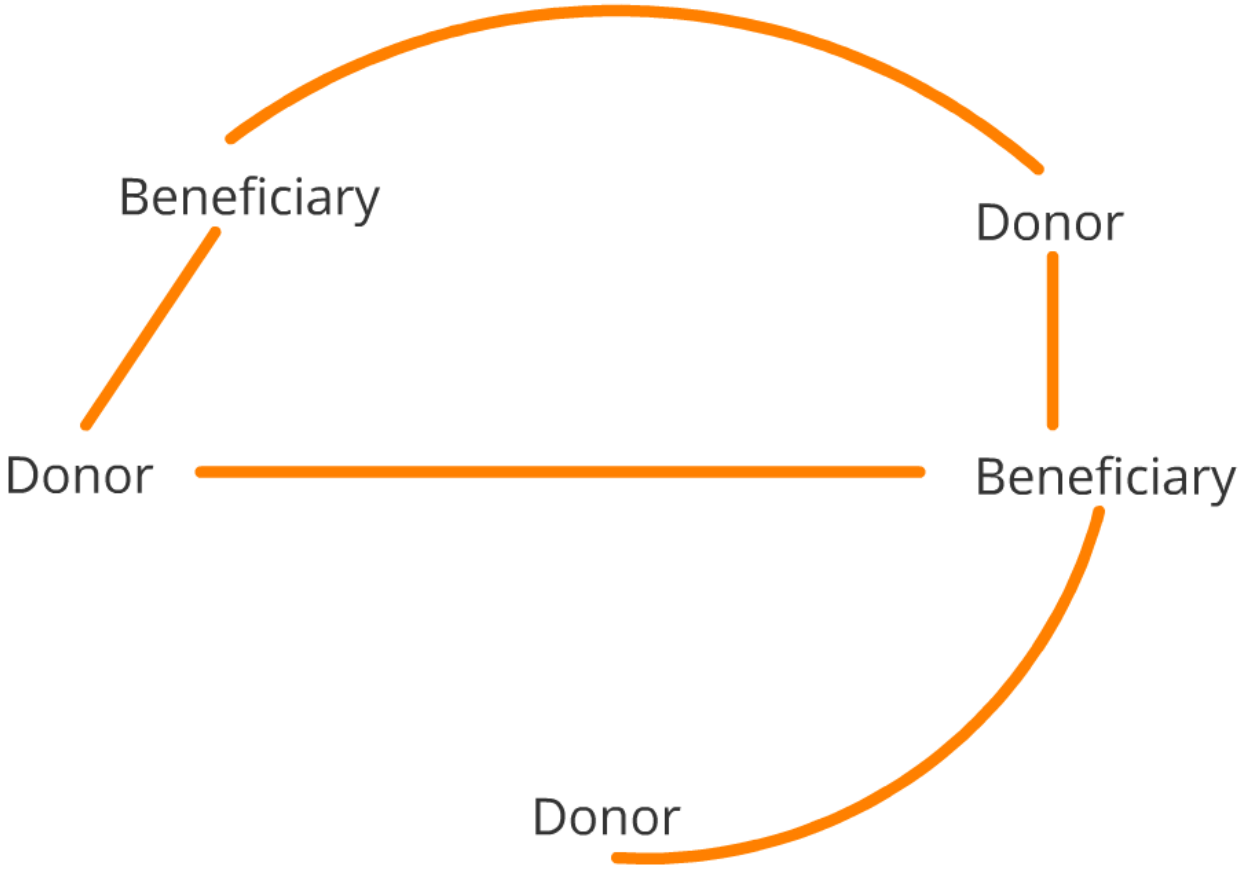


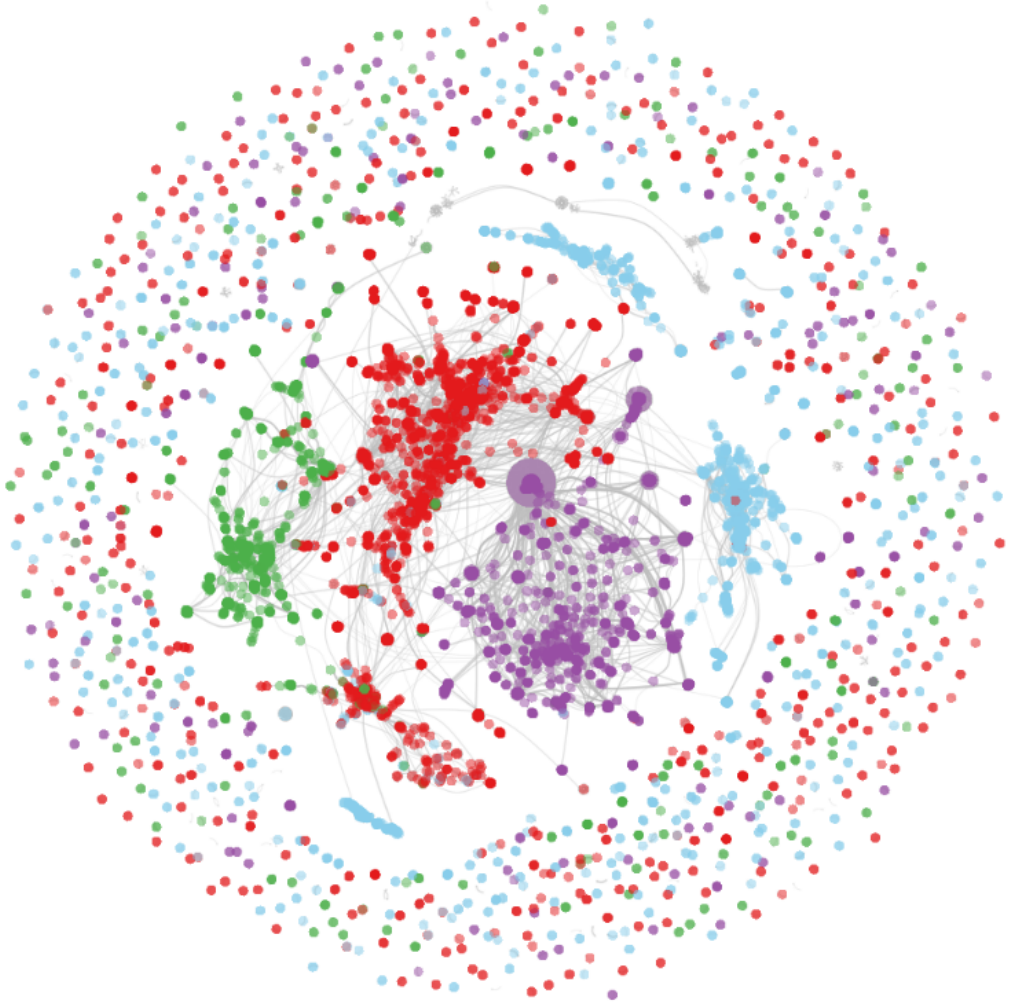
networkD3

plotly

Shiny


Beneficiary
Donor
Donor
Beneficiary
Donor

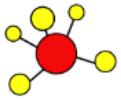

Beneficiary
Donor
Donor
Beneficiary
Donor



Density = 0.00011

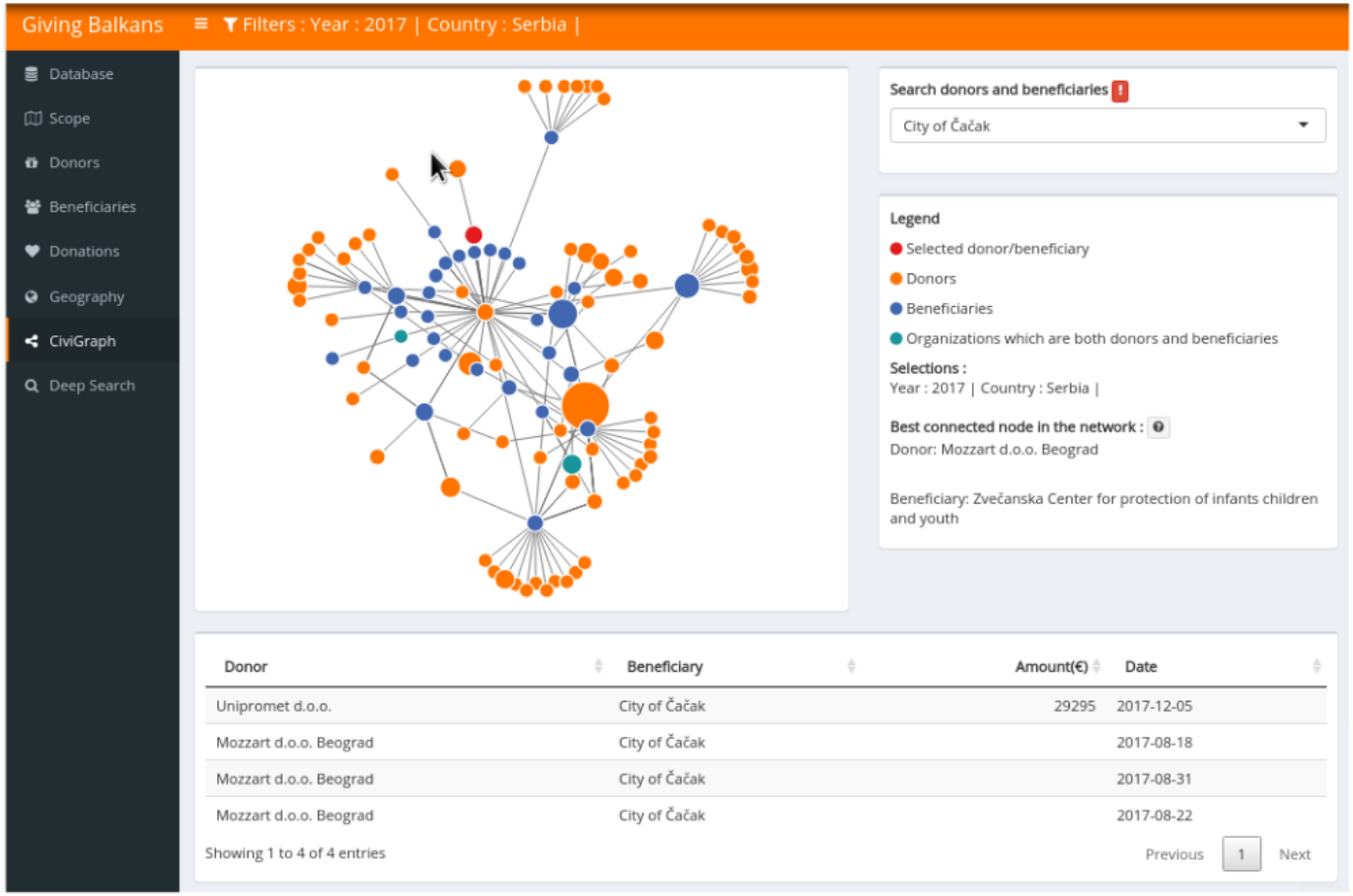
11377 Nodes

13832 Connections



igraph

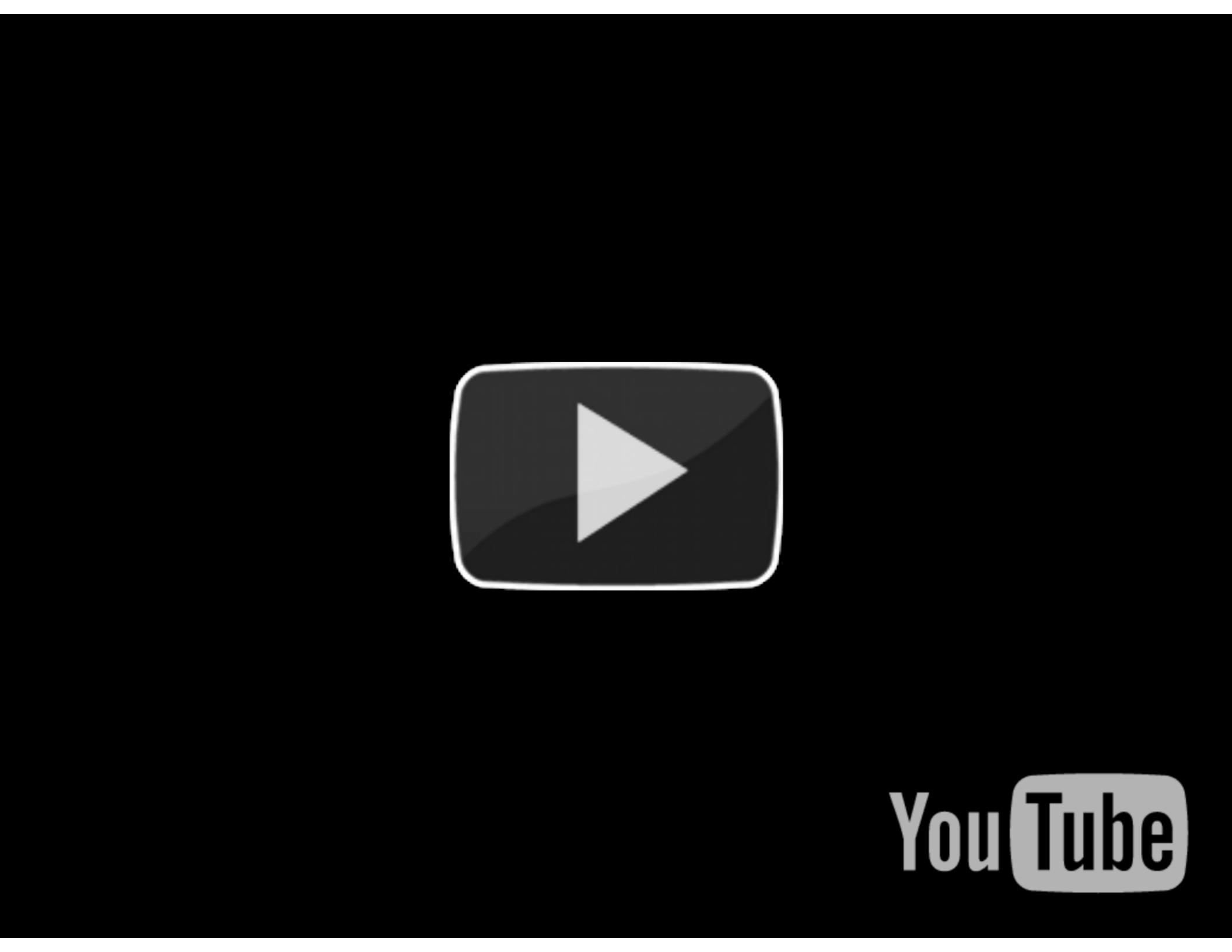
YouTube



networkD3

igraph

Shiny


YouTube

Why SNA?

Thanks!

givingbalkans.org

marko@catalystbalkans.org

linkedin.com/in/galjak