

Community Graphs of a Child Protection Hub

Status of a Proof of Concept

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gluoNNet

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June 19th 2019

Graph Net::Work::Shop 2019 - CERN IdeaSquare



Background

Terre des hommes is the leading Swiss child relief agency:

Programmes



health

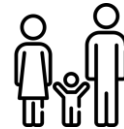


protection



humanitarian aid

Assistance



3.1 million children and their relatives



48 countries



59 years

Background

1st-4th June 2018

Tdh Innovation
Bootcamp, Budapest

Gathering of experts from
around the world to
co-create six innovative
ideas that aim to improve
the protection of children.



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CHILD HUB TO PROTECT CHILDREN

Nurturing a safe environment for children

SEE WHO WE ARE

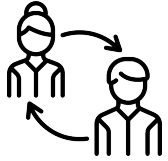
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Objectives



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Helping children worldwide.

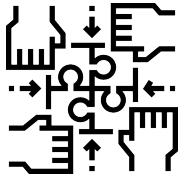
gluoNet
knowledge exchange for smart decisions



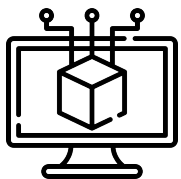
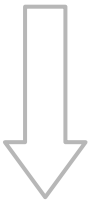
Build professional networks.



Increase knowledge sharing and skills.



More cooperation more at national and regional level.



Foster more efficient knowledge management and
boost networking strategies

Data overview

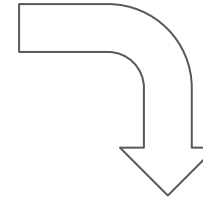
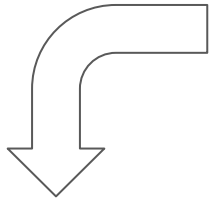


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CHILD PROTECTION HUB
FOR SOUTH EAST EUROPE



 **CONNECT**
and exchange

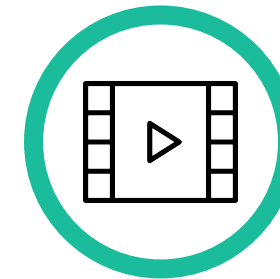


- My ChildHub
- Forum
- Our community
- Blog
- Events
- Case discussions
- Consultants' & organisations' directories

 **LEARN**
and explore



- Online library
- News
- Learning
- Child friendly materials
- Promising practices



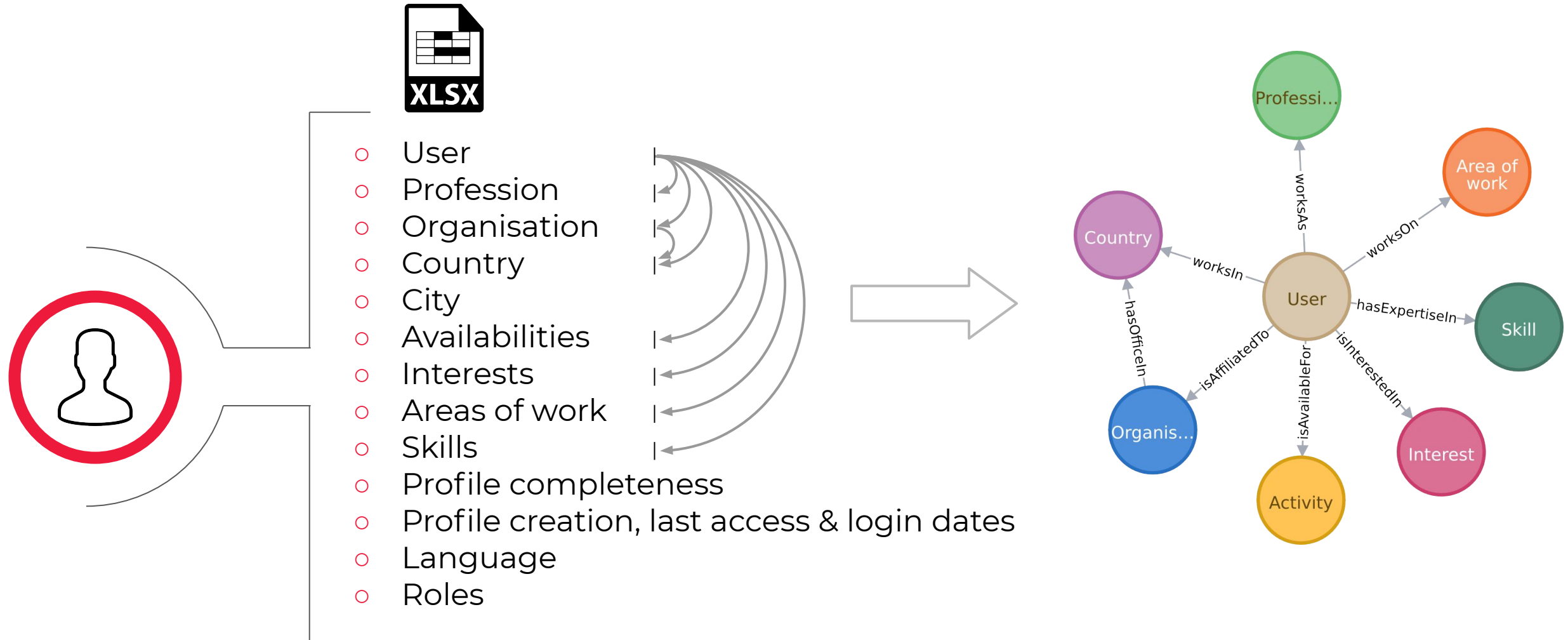
- Webinars
- Multimedia
- Resources for teachers
- ChildHub E-courses

User Profile Data




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 Collaboration spotting

Number of nodes : 48
Number of references : 2379
Clusters : 2
Dimensions : AreaOfWork/Skill
AreaOfWork : 21
Skill : 27
References : User_ChildHub

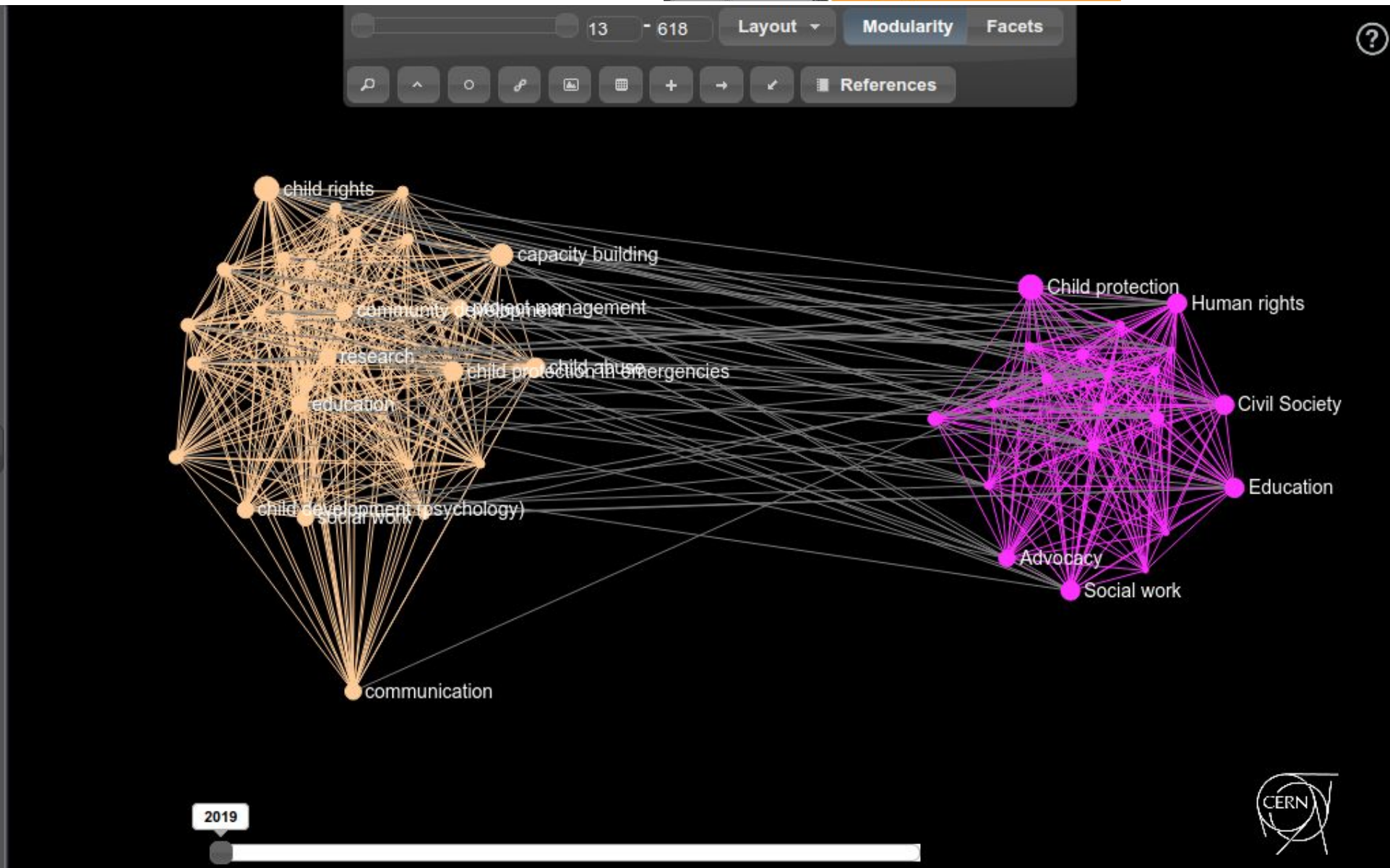
["AreaOfWork", "Skill"]

Dimensions References


All

Nodes AreaOfWork Skill

- Civil Society
- Education
- Mental health
- working with Roma communities
- child development (psychology)
- child abuse
- child rights
- capacity building
- child protection in emergencies





 Collaboration spotting

Number of nodes : 84
Number of references : 714
Clusters : 25
Dimensions : Country
References : Organisation

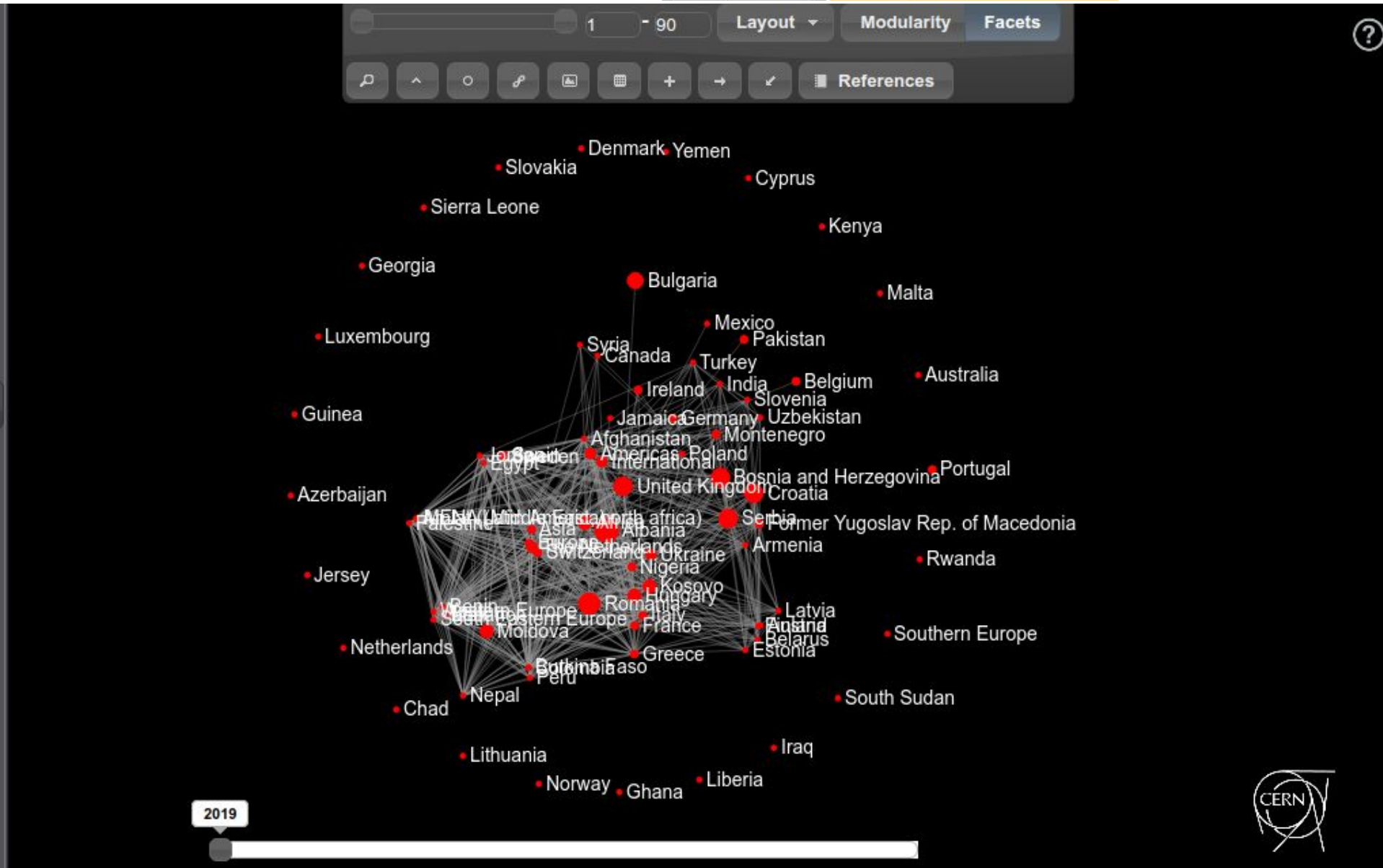
["Country"]

Dimensions References


All

Nodes Country

- Georgia
- Jordan
- Kosovo
- Americas
- Romania
- Pakistan
- Sweden
- Croatia
- Serbia
- Hungary
- Cyprus





 Collaboration spotting

Number of nodes : 714
Number of references : 84
Clusters : 41
Dimensions : Organisation
References : Country

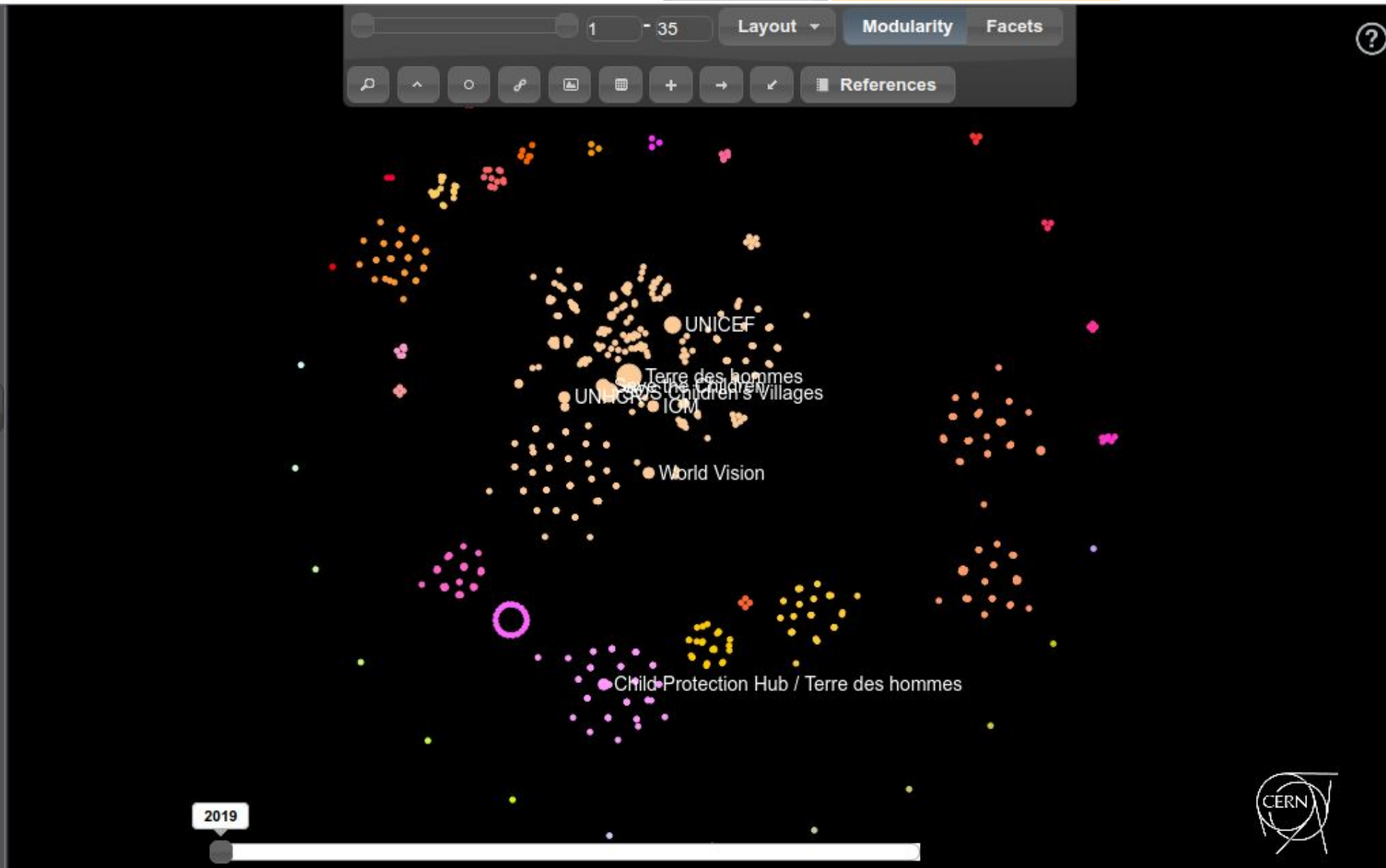
["Organisation"]

Dimensions References


All

Nodes Organisation

- The Ideas Partnership
- Kindergarten
- HOPE FOR CHILDREN CRC POLICY CEN...
- Zene sa Une Bihać
- Save the Children
- Shoqata Kombetare Edukim per Jeten - S...
- Terre des hommes
- University of Plymouth
- Central Union for Child welfare





 Collaboration spotting

Number of nodes : 164
Number of references : 4455
Clusters : 118
Dimensions : AreaOfWork/Profession/Skill
AreaOfWork : 21
Profession : 116
Skill : 27
References : User_ChildHub

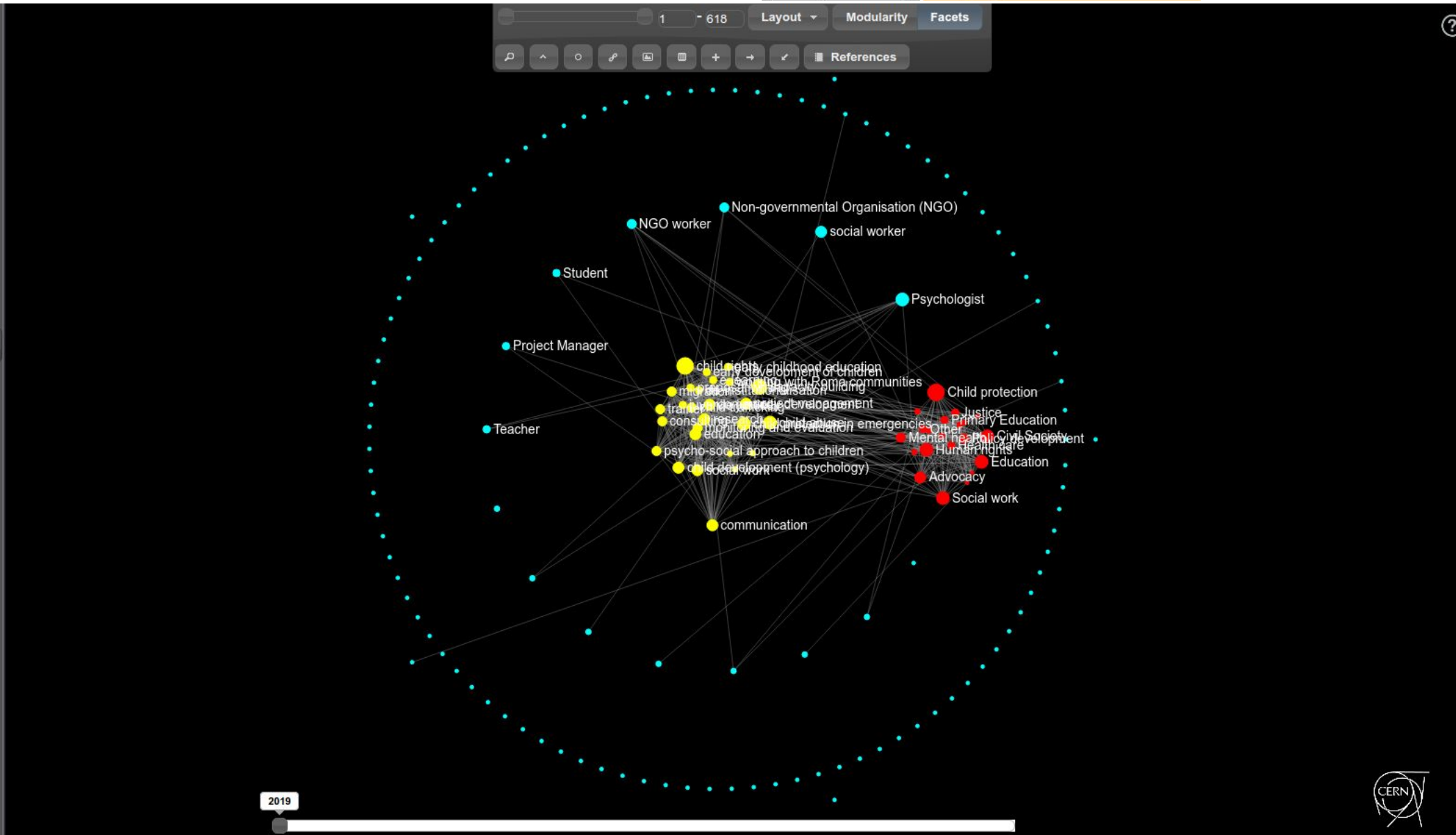
["AreaOfWork", "Skill", "Profession"]

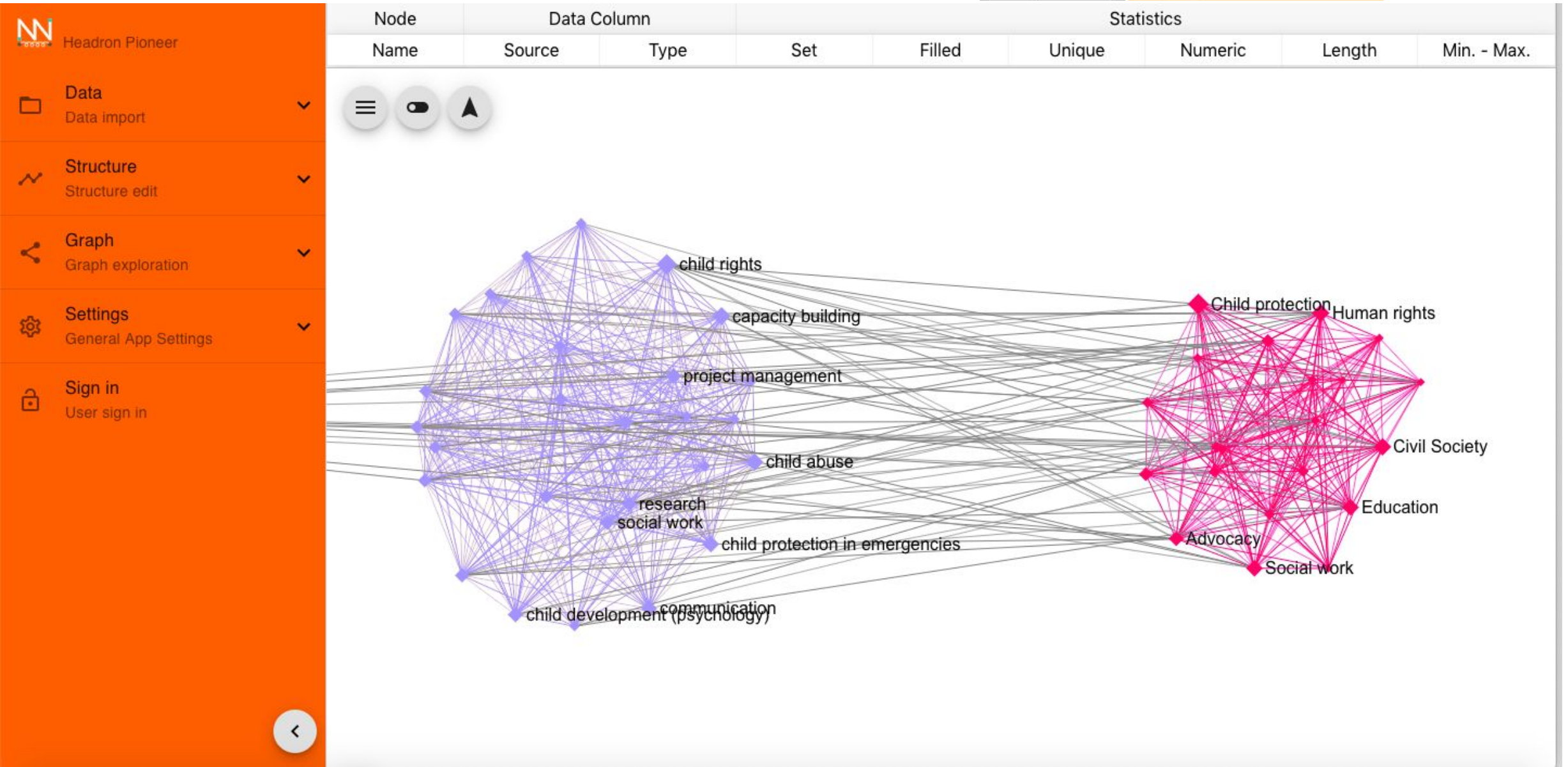
Dimensions References

All

Nodes AreaOfWork Profession Skill

- Civil Society
- Education
- Mental health
- working with Roma communities
- child development (psychology)
- child abuse
- child rights
- capacity building
- child protection in emergencies
- research
- early development of children
- juvenile justice
- community development
- monitoring and evaluation
- migration
- consulting
- education
- trainer





Next: extended data model

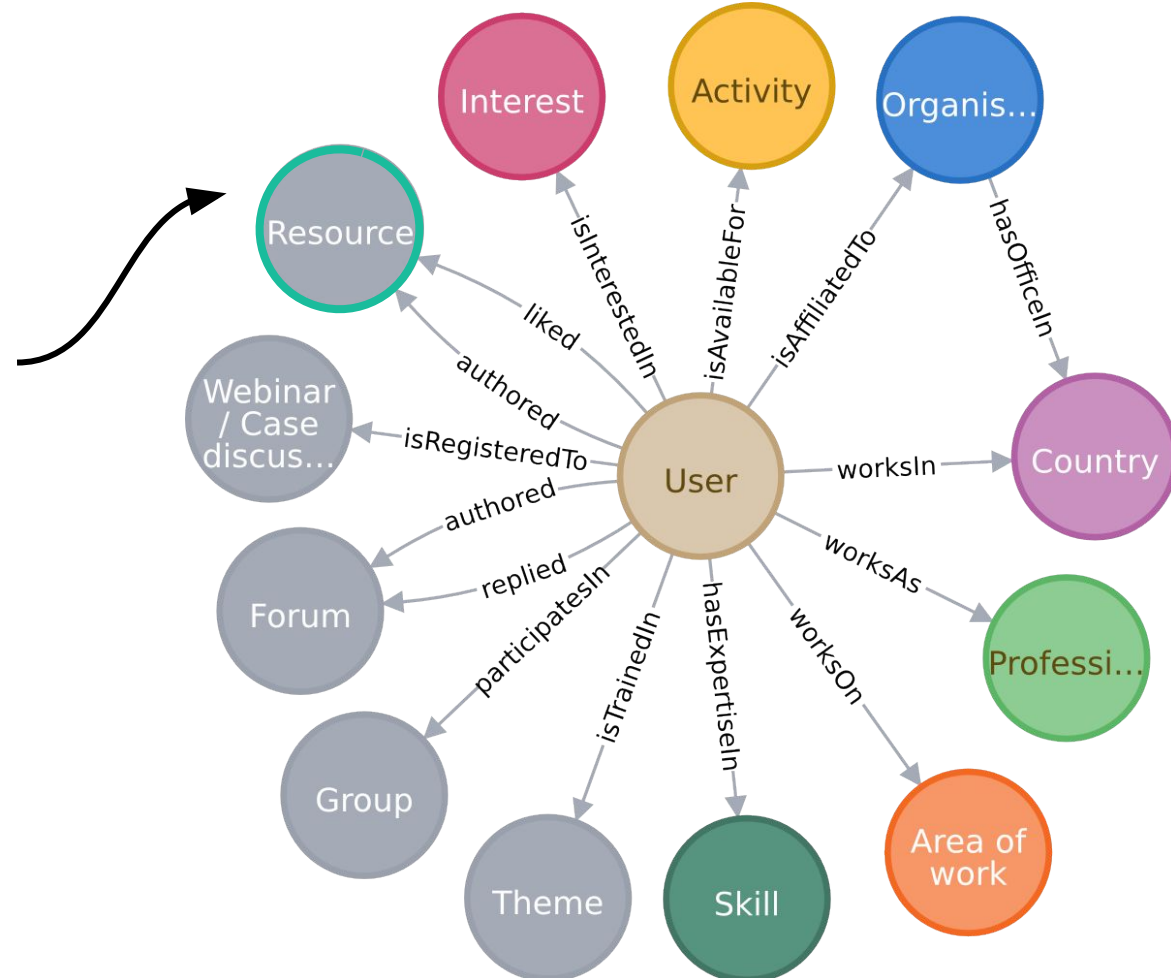


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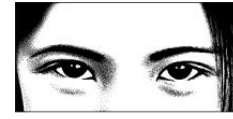
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- Title
- Abstract
- Full text
- Language
- Author
- Publisher
- Publication type
- Publication date
- Country of relevance
- Topics
- Tags
- Thematic series
- Tdh program
- Tdh project



Next steps

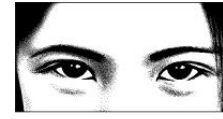


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1. Unveil connections between online library docs.
2. Machine learning to categorise new online library docs.
3. Replicate the above steps to other resources and extend the analysis to other elements from the extended data model.

Proposed data visualisation



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🔍 Health care for child on the move



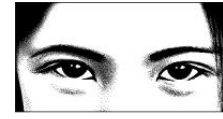
🔍 Social work against child trafficking



Thank you!!!

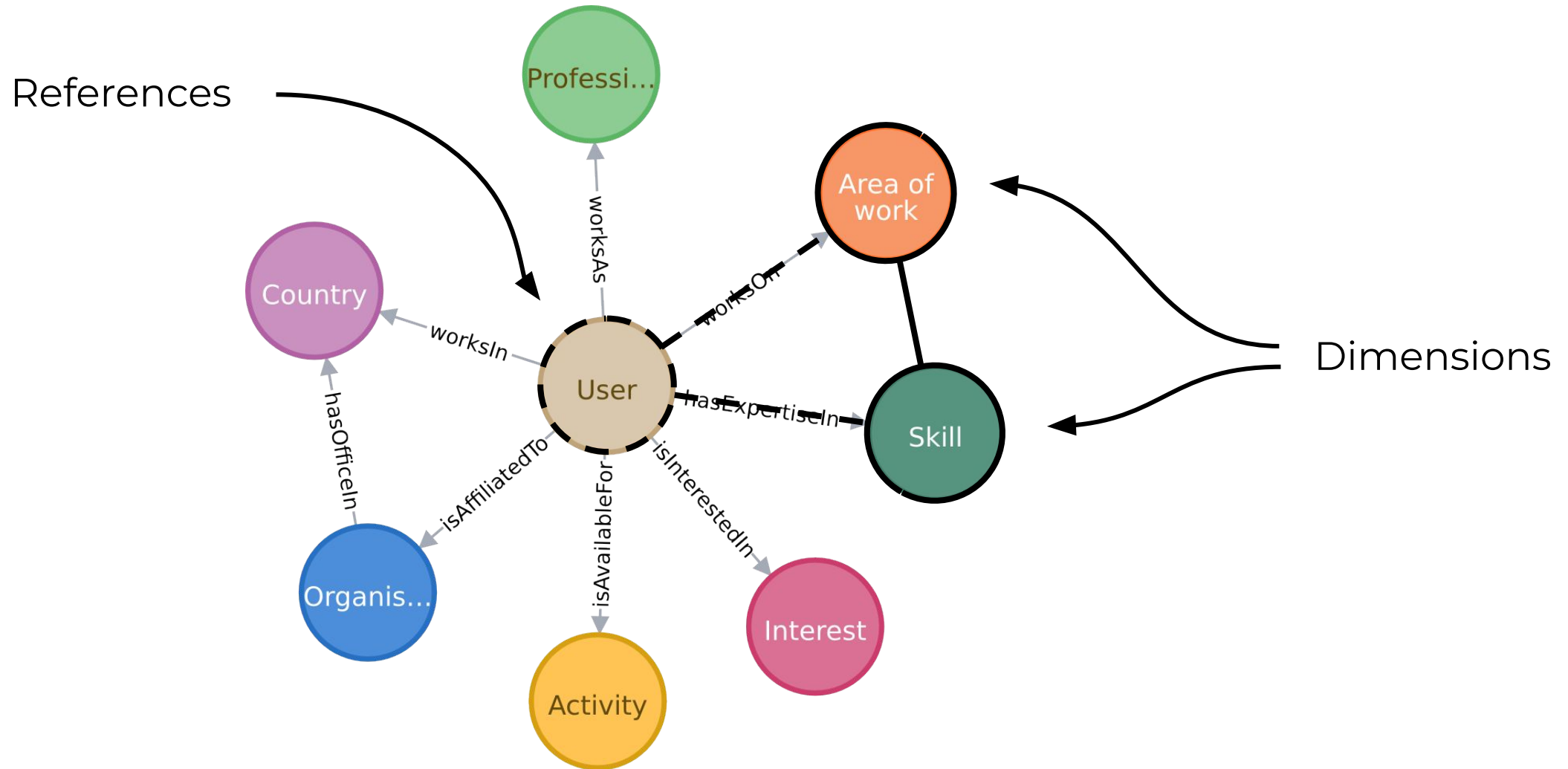


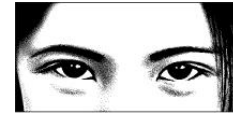
Network visualization



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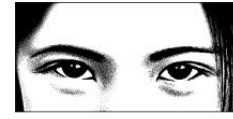


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Live demonstration !

Document cartography



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