

Quick Start Guide

2. Create a new dataset
Define a search string to select the relevant documents from our database

4. Choose visualisation
Navigate through different types of graphs

<http://tech.timanalytics.eu>
Use Firefox or Chrome

Change your settings
Set a white background, curved edges or choose other available types of graphs

The screenshot shows the TIM web application interface. On the left is a sidebar with a list of datasets under the heading 'ICT on ict'. The main area displays a complex network graph with nodes and edges, colored in various shades. At the top, there are navigation tabs for 'Organisation', 'Location', 'Topic', 'Quantitative Analysis', 'Dev', 'Lab', and 'Miscellaneous'. Below these are options for 'Dataset Info', 'Native sociogram', 'Entity sociogram', 'Merged sociogram', and 'Harmonized sociogram'. A search bar is present above the graph. To the right of the graph is a control panel with various settings like 'INFO', 'VIS', 'MODULARITY', 'HOVER', 'HIDE', 'EDGES', and 'ALL LABELS'. A filter panel is also visible on the right side of the graph area.

Search for a node in the graph

1. Login (with EU login)

Full screen

Filter your data
Manage your filters

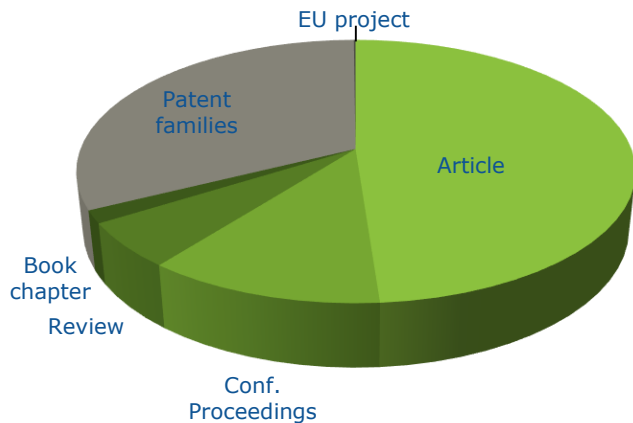
Change the aspect of graph
Modify parameters to change the visualisation

Navigate in time
Move the selectors to adapt the view to different times frames

3. Browse your datasets
Select which dataset to visualise

Search

More than 60.000.000 documents 1996-2020
 Scientific publications (Scopus), Patents (Patstat)
 and EU projects (Cordis)



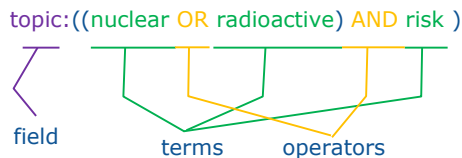
Define your search string

Use a combination of keywords (terms) in fields and link them with Boolean operators.

Quick search tips

- Use topic to search in title, abstract and keywords.
- Use AND, OR, NOT to limit or include terms and fields
- Use the parenthesis to structure your search

Query example:



You can also use special fields to limit the search to specific years, specific types of documents, etc..
 Please visit [the tutorial on searching](#) for more information on how to perform a search

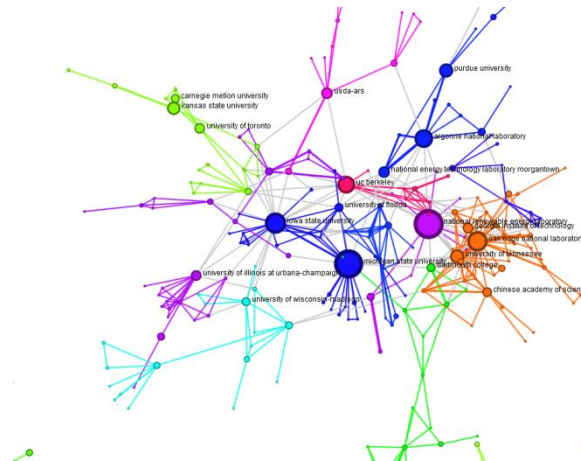
Explore

Navigate transversally through the data

- Organisations:** See the organisations that are publishing, patenting or beneficiaries of EU projects and the collaborations between those.
- Location:** See where those entities are located. Cities, NUTS regions, countries, Europe vs rest of the world, only EU countries..
- Topics:** See the journal categories and patent classes. Analyse author keywords and additional keywords retrieved by TIM.

+ see by years, types of documents and more...

Network analysis



How to interpret a network graph

- Size of the nodes:** Number of documents retrieved for an organisation, location, topic or other.
- Edges (lines between two nodes):** Co-occurrence in the same document(s): edge thickness relative to number of documents in common
- Colours:** Communities of nodes that tend to appear more together than with the others

Other visualisations and data

Geographical, Analytical Charts, Excel exports

Access documents

Get access to documents behind the trends. Double click on a node to filter for specific publications, patents or EU projects. Read the abstract and see the names of authors, applicants or beneficiaries and their affiliations.