

Quick Start Guide

www.timanalytics.eu/tim_energy.html
Use Firefox or Chrome

Technological Field

Choose visualisation
Navigate through different types of graphs



• Organisation • Location • Topic • Quantitative Analysis • Miscellaneous
Dataset Info Journal categorygram AuthorKeywordgram AutoKeywordgram Classificationgram Relevant Keywords

Refresh Page Info Class Filter

Biofuels

Algae biofuels (3rd generation)
Biodiesel (1st generation)
Bioethanol (1st generation)
Biogas (1st generation)
Biomass-to-liquid (2nd generation)
Biomethane
Conversion route: Anaerobic digestion
Conversion route: Bio-photochemical
Conversion route: biomass gasification
Conversion route: Fermentation
Conversion route: pyrolysis of biomass
Conversion route: Transesterification/hydrogen
Enzymatic hydrolysis (2nd generation)
Fourth generation biofuels
H2 production: AD and CH4 reforming
H2 production: fermentation
H2 production: gasification of biomass
H2 production: photo fermentation
H2 production: pyrolysis of bio-oil
Hydrogen from biomass (3rd generation)
Lignocellulosic biofuels (2nd generation)
Methanol biofuel
Pure vegetal oil (1st generation)
Renewable diesel

Full screen



Browse the datasets
Select which technology to visualise

Search for a node in the graph

Type to search



INFO VIS NORMAL MODULARITY HOVER HIDE EDGES ALL LABELS



Filter
Year Filter OFF
Energy(all)

Filter the data
Double-click on a node to activate the filtering.
Manage your filters from the filter panel.

Change the aspect of graph
Modify parameters to change the visualisation

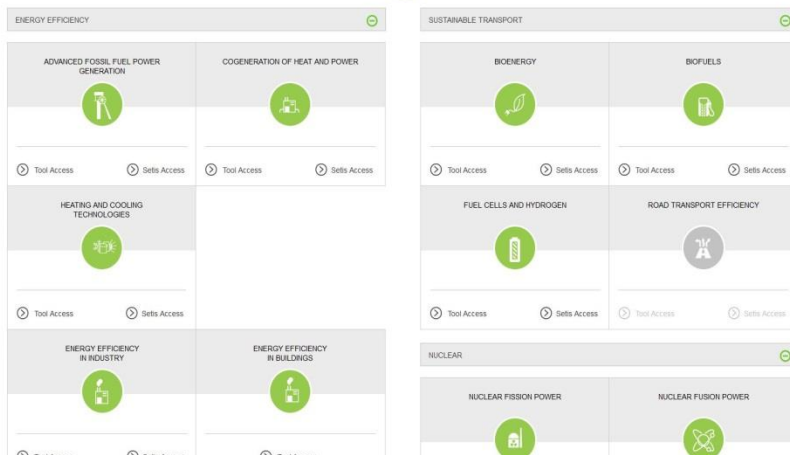
Navigate in time
Move the selectors to adapt the view to different times frames

1996

2016

TIM Energy is an information system that maps the scientific landscape of Energy technologies.

Browse by technological field



For each energy technological field, see the specific technologies. Scientific publications (Scopus), Patents (Patstat) and EU projects (Cordis) are retrieved from our database of more than 50.000.000 documents from 1996-2016 to build the landscapes.

Crowdsourcing

To make TIM Energy a better information system we count on your feedback. Let us know about missing technologies or concepts that could be better defined, and we will integrate them. Together let's make TIM Energy a better tool!

JRC-TIM-SUPPORT@ec.europa.eu

European Commission

Explore

Navigate transversally through the data

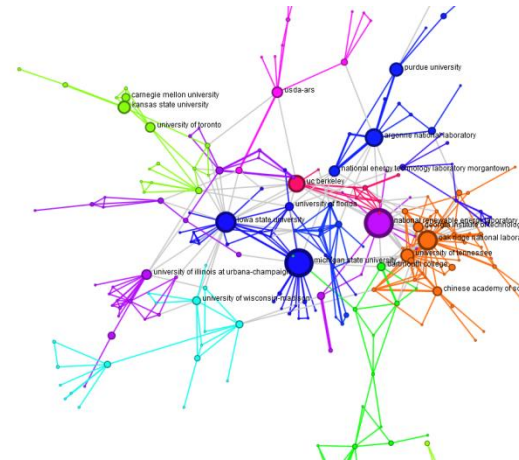
Organisations: See the organisations that are publishing, patenting or beneficiaries of EU projects and the collaborations between those.

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

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.