The European Commission's Knowledge Centre for Bioeconomy

Basic instructions for TIM users, specific to Knowledge Centre for Bioeconomy (KCB)



The TIM visualisations made available through the Knowledge Centre for Bioeconomy platform refer to projects funded by the EU's framework programmes, with specific relevance to the bioeconomy domain. Raw data are retrieved from the <u>CORDIS</u> database by the Tools for Innovation Monitoring System (TIM).

In the following documentation, the general terms "documents" and "organisations", refer to:

documents: projects from the CORDIS database

organisations: beneficiaries of EU Framework programmes' grants

This manual relates to the visualisations of EU-funded projects available on the Knowledge Centre for Bioeconomy platform:Research projects on agricultural biomassResearch projects on fisheries and aquaculture biomassResearch projects on forestry biomassResearch projects on the application of LCA in bio-based productsResearch projects on algae biomassResearch projects on the application of LCA in bio-based products



In the following slides the use of the dashboard and the information in the different views/tiles is explaine 🥨



Dataset

EU Projects Forestry Biomass



Projects per organisation

() 11





SWITCH TO DATASET LIST



 \blacksquare

Organisations	list		SWITCH TO DATASET LIST	0	•
Entries: 200					
emm_affiliation 🛟 Value	color_or	ganisation 🛟			
"L'UREDERRA, FUN T	1.0	Foundation			
AALTO-KORKEAKOU T	2.0	Company			
AGENCIA ESTATAL T	1.0	Company			
AGROBIO INSTITUTE T	1.0	Company			
AIMPLAS-ASOCIACI T	1.0	Company			
AIT Austrian Institute T	2.0	Company			
Akzo Nobel Hilden G T	1.0	Company			
Akzo Nobel Industrial T	1.0	University			
Albert-Ludwigs-Univer T	4.0	University			
Alpha Corporation T	1.0	Company			
ALTERRA B.V. T	2.0	Company			
ALTRI FLORESTAL, SA T	1.0 📒	Company			
ARBIOM SAS T	1.0 📒	Company			
Asociacion Agencia P T	1.0 📒	Company			
Asociacion Agraria Jo T	1.0 📒	Company			
ASSOCIATION UKRA T	1.0 📒	Company			
Axencia Galega De In T	1.0 📒	Company			
BERNER FACHHOC T	2.0	Company			
BIO BASE EUROPE T	2.0	Company			
BIOPROCESS PILOT T	1.0 📒	Company			
Building Research Est T	2.0	Company			
CEA T	4.0	Company			
CENTRE COR REALE	20	Company			



D	ocuments		SWITCH TO DATASET LIST	(C)
P	Number of documents: 8	12	EU project	00
The d	levelopment of environm	entally safe outdoor wood product	by protection based upon natural oils, while creating a new tub	ure for curr 🤒
=	Entry type: EU Project	Entry ID: 1p5 OLK5-C1-1999-40207	Yhanic 19999	
Supp	ort for short term scientif	c masiona (atam) on "mechanical	erformance of wood and wood products" in the frame of cost a	chon eð-ex 😗
=	Entry type: EU Project	Entry ID: 1p5 1CC2-C1-2000-01005	Year: 1929	
Supp	ort for the organization o	ta workshop entitle d'imechanical	erformance of wood and wood products" held in wageningen &	he netherle 🧐
	and the countralies			
Small	scale wood harvesting to	ech nology in european forestry and	it's contribution to rural de velopment	
=	Entry type: EU Project	Entry ID: 1p8 OLK5-C1-1999-01493	Year: 2000	
Devel	lopment of a protocol for	e coefficient wood harve sting on a	native after	0
=	Entry type: bU Project	Entry ID: 1p8 (OLK5-C1-19/99-00991	Year: 2000	
Supp	ort for the organization o	ta workshop entitle d"mechanical	erformance of wood and wood products"held from 12 to 15 spr	1 2000 m st 🧐
=	Entry type, bU Project	Entry ID: 1p8 1002-01-2008-02018	Year: 2000	





TIM info

Click here to maximise window











SWITCH TO DATASET LIST view all datasets together for the chosen view









List of visualisations for each topic (defined by the search query)

1. *Dataset info*: Number of EU research projects per year, matching the search query defined in "dataset definition"

2. *Organisations*: The network graph shows the connections among the organisations involved in the EU research projects.

3. Projects per organisation: Evolution in time of the number of EU research projects per organisation

4. Organisation list. List of all the organisations, their type and related total number of projects (Value) involved in the resulting EU research projects

5. *Heatmap country:* The map shows by colour coding the number of projects per country

6. Documents: List of all EU research projects retrieved by the search query

7. Project acronym: List of all the project acronyms, project names and funding programme (call)



Number of EU research projects per year

This visualisation represents the number of new research projects related to search query by year. The year refers to the starting year of the project.



Network graph of collaborations between organisations in EU research projects

This **network graph** shows the connections among the organisations. It is composed of nodes (organisations) and edges. The size of the nodes is proportional to the number of projects retrieved for each organisation. The edges (lines between two nodes) have a thickness proportional to the number of projects in common between two organisations.

Size of the nodes: Number of projects retrieved for an organisation

Edges (lines between two nodes): Co-occurrence in the same project(s): edge thickness relative to number of projects in common

Colours: Nodes are clustered into communities based on their ORGANISATION TYPE. They can also be clustered by MODULARITY, which reflects the connectedness between the nodes, or NEUTRAL.

You can change node complexity and edge complexity in menu **VIS** in the interactive visualisation to adjust the visual complexity of the graph by hiding nodes or edges according to their specific size. You can see the label of a node by hovering over a node.





Network graphs - Toolbar options





Network graphs - Toolbar options explained further

Search

Search allows searching for a node in the graph. After three or more characters are typed, it suggests the labels of the nodes that coincide with the search. Click on the relevant label and the visualisation will automatically zoom in to the relevant node. If no items are listed after typing at least three characters, the search wasn't able to retrieve any results.

Info on/off

When the info is ON a panel appears on the left side of the main panel with the list in alphabetical order of all the nodes of the currently displayed graph. The list is clickable and the view will zoom to the selected node.

Vis

This button adjusts the visual complexity of the graph by hiding nodes or edges according to their specific size. Both edge and node size selectors will show in brackets the minimum and maximum sizes of edges or nodes that are currently displayed. These values can be modified by dragging the selector bars. It is possible to adjust both the minimum and the maximum size of edges and nodes. The same can be done to adjust the size of the edges displayed.

Order: Normal, Order by size / year / nr of connections

This drop-down menu allows the User to choose between a default (normal) visualisation of the graph or to order the nodes by size, by year or number of connections.

by size: the top left node is the biggest node and the down right one is the smallest

by year: the node that appeared most recently is at the upper-left part of the grid, while the one that appeared first on the bottom-right by number of connections: the most well-connected node is at the upper-left part of the grid, while the most poorly-connected on the bottom-right

The meaning of colours and edges remains unchanged.



Colours: Organisation type

This drop-down menu allows choosing the meaning of the colouring of the nodes.

Modularity: each community is coloured with a different colour; the colours highlight communities of nodes that tend to collaborate together Neutral: disables the colouring of the edges and gives the same colour to all nodes

Organisation type: this is the default option for organisation network graphs; colours entity nodes according to the entity type (e.g. company or university); available where nodes represent entities

Hide On/Off

Position by default is off. When a filter is active and hide is off, the non-selected items (outfiltered) appear shaded in a very light colour, so that some nodes can still be included in the filter.

When Hide is on, the non-selected items are hidden and therefore do not appear in the visualisation at all.

Edges On/Off

The position by default is on and the edges are visible. When turned off, the edges disappear from the graph.

Select: Neighbors/Cluster

Select (clicking on a node) the other nodes in the CLUSTER or the NEIGHBORS connected to a node and add them to a filter. Reset the filter at the top (Filters) of the visualisation.

Labels Main/None/All

Main: this is the default setting; only the labels of the biggest nodes in the graph are visible None: the labels are not displayed All: all labels are displayed Custom: show labels only for nodes bigger than the node size you select



Evolution in time of the number of EU research projects per organisation



This visualisation represents the evolution in time of the number of research projects per organisation.

The year refers to the starting year of the project. The organisation can be either the coordinator or a participant.



Projects per organisation									SWITCH	I TO DATASET LI	ST C	
Total size: 472 Filtered size: 472							Time se	ries				
« < Page 1	~ > »	Page size	25 ~		٦							
Name	First	Last To	otal 木		3 -							
All 🗸	All 🗸	All ~	All ~									
European Forest Institute	2001	2018	7.0		2.5							
SVERIGES LANTBRUKSUNIVE	2009	2021	7.0									
Teknologian tutkimuskeskus VTT	2012	2019	7.0		_							
FRAUNHOFER GESELLSCHAF	2002	2019	6.0		2							
LUONNONVARAKESKUS	2011	2021	6.0	Ĩ								
VINIVERSITAET FUER BODEN	2011	2021	6.0	8	1.5							
Georg-August-University Göttingen	2000	2016	5.0									
INSTITUT TECHNOLOGIQUE F	2011	2019	5.0		1							
Skogforsk Skogforsk	2006	2018	4.0		Ċ						AA + I	
TEKNOLOGIAN TUTKIMUSKES	2006	2012	4.0									
CEA	2004	2018	4.0		0.5					····	· · · · · · · · · · · · · · · · · · ·	
Albert-Ludwigs-Universität Freib	2009	2016	4.0									
Rise Research Institutes Of Swe	2010	2014	4.0		۰-			- V				Ļ
	2011	2018	4.0		1!	996 1999 2002	2005 200)8 20 Angr	011 20	14 2017	2020	
	2000	2009	3.0				,					
Hover mouse on an orga	nisati	on 🔼	3.0									
FURESTRT COMMISSION RES	2001	2018	3.0									
JOANNEUM RESEARCH FORS	2003	2016	3.0		1	9951997199819990000002002002	2004200520052007200	20020102	112012201320	1.0015201620172	20122010202002	1
KUNGLIGA TEKNISKA HOEGS	2006	2022	3.0			556755775567552.0002.002.002		1200201020	511201220120		.012012020202	
Technische Universität Wien	2011	2013	3.0						RUKSUNIVE	RSITET		
JOHANN HEINRICH VON THU	2011	2021	3.0						Оy			
FUNDACION TECNALIA RESE	2012	2019	3.0		FR	AUNHOFER GESELLSCHAFT	ZUR FOERDERUN	NG DER AN	IGEWANDTE	N FORSCHUN	GEV	
INSTITUT NATIONAL DE RECH	2015	2018	3.0			LUONNON AR AKESKU:		AETFUER	BODENKUL	TUR WIEN		
Universiteit Antwerpen	2015	2020	3.0 -			Georg-August-University Götting		TECHNOL	OGIQUE FCI	BA Skogfo	ors k	S
			*				IOLOGIAN TUTKIN	IU SKESKU	ISVIT			

Hover over an organisation to highlight the evolution in time of the number of research projects for this organisation.

Select a different time span to view only projects in the selected period

Select a different time span



List of organisations involved in the resulting EU research projects

Organisations list		SWITCH TO DATASET LIST	
Entries: 200			^
emm_affiliation 🛟	Value Color_organisation	Sort organisations by name.	
"L'UREDERRA, FUN 👅	1.0 Foundation	tion value (number of projects)	
AALTO-KORKEAKOU 🔻	2.0 Compai	any value (number of projects)	
AGENCIA ESTATAL T	1.0 Compar	any or type of organisation	
AGROBIO INSTITUTE 🔻	1.0 Compai	any	
AIMPLAS-ASOCIACI T	1.0 <u></u> Compar	any	
AIT Austrian Institute T	2.0 Compar	any	
Akzo Nobel Hilden G 👅	1.0 Compai	any	
Akzo Nobel Industrial T	1.0 Universi	sity	
Albert-Ludwigs-Univer T	4.0 Universi	sity	
Alpha Corporation T	1.0 Compar	any	
ALTERRA B.V. T	2.0 <u>Compa</u>	any	
ALTRI FLORESTAL, SA T	1.0 Compai	any	
ARBIOM SAS T	1.0 Compar	any	
Asociacion Agencia P T	1.0 Compai	any	
Asociacion Agraria Jo T	1.0 Compar	any	
ASSOCIATION UKRA T	1.0 Compai	any	
Axencia Galega De In T	1.0 Compar	any	
BERNER FACHHOC T	2.0 Compar	any	
BIO BASE EUROPE T	2.0 Compai	any	
BIOPROCESS PILOT T	1.0 Compar	any	
Building Research Est 🔻	2.0 Compar	any	
CEA T	4.0 Compar	any	
CENTRE FOR RENE T	2.0 Compai	any	~



Heatmap country



The gradation of colours in the countries indicates the number of documents in the specific country.



List of EU research projects

Documents switch to dataset List	
Number of documents: 82 The development of environmentally safe outdoor wood products by protection based upon natural oils, while creating a new future for curr	
Entry type: EU Project Entry ID: fp5_QLK5-CT-1999-49207 Year: 1999 Support for short term scientific missio Change sort order rmance of wood and wood products" in the frame of cost action e8-ex	•
Entry type: EU Project Entry ID: 1p5_ICC2-CT-2000-01005 Year. 1999 Support for the organisation of a workshop entitled "mech Select different time period ingen/the netherla Entry type: EU Project Entry ID: fp5_ICC2-CT-1999-02072 Year. 1999	•
Small scale wood harvesting technology in european forestry and it's contribution to rural development	•
Development of a protocol for ecoefficient wood harvesting on sensitive sites Entry type: EU Project Entry ID: fp5_QLK5-CT-1999-00991 Year: 2000	•
Support for the organisation of a workshop entitled "mechanical performance of v Order, all types il 2000 in st	•
Sustainability of purpose-grown forests: safeguarding biodiversity and developing competitiveness of wood products	•



Documents	SWITCH TO DATASET LIST	
Number of documents: 82	C Euproject ↓ ^A Year, Type ↓ ✓ − 1999 + → − 2022 + Ohighlight text	
The development of environmentally safe outdoor wood produ	cts by protection based upon natural oils, while creating a new future for curr	
Entry type: EU Project Entry ID: fp5_QLK5-CT-1999-40207	Year. 1999	
Support for short term scientific missions (stsm) on "mechanic	al performance of wood and wood products" in the frame of cost action e8-ex	
Entry type: EU Project Entry ID: fp5_ICC2-CT-2000-01005	Year: 1999	
Support for the organisation of a workshop entitled "mechanic	al performance of wood and wood products" held in wageningen/the netherla	
Entry type: EU Project Entry ID: fp5_ICC2-CT-1999-02072	Year: 1999	
Small scale wood harvesting technology in european forestry a	Ind it's contribution to rural development	Expanded Views
Entry type: EU Project Entry ID: fp5_QLK5-CT-1999-01493	Year. 2000	
Development of a protocol for ecoefficient wood harve sting or	a sensitive sites	Development of a protocol for ecoefficient wood harvesting on sensitive sites
Entry type: EU Project Entry ID: fp5_QLK5-CT-1999-00991	Year. 2000	Entry type: EU Project Entry ID: fp5_QLK5-CT-1999-00991 Year: 2000
Support for the organisation of a workshop entitled "mechanic	al performance of wood and wood products" held from 12 to 15 april 2000 in st	- NATIONAL RESEARCH COUNCIL OF ITALY, UNIVERSITY OF HELSINKI, COILLTE TEORAN BLUSTECH OM NATIONAL UNIVERSITY OF IRELAND, DUBLIN
Entry type: EU Project Entry ID: fp5_ICC2-CT-2000-02018	Year: 2000	
Sustainability of purpose-grown forests: safeguarding biodiver	sity and developing competitiveness of wood products	Forest machinery interacts considerably with the environment, and improper selection, operation an environmental impacts, particulally on sensitive sites e.g. soft soil, steep terrain, etc). By selecting
		an importal corrections of the outline and extraction property can be minimized. This project of

Organisation

integrantes the stages in the wood chain from cutting the tree to its extraction from the forest. The prote elements in the chain) that integrate the selection, operation and use of the various machines involved Europe. The aim is to use this to achieve cost effective expiriendly operations which at the same time a

List of EU research projects acronyms

Project Acronym	۱				SWITCH	TO DATASET LIST		
Entries: 76							^	
emm_acronym	\$	Value 🗘	title 🗘	Call for proposal o	link			
ADVANCED_SAR	T	1.0	Advanced Techniques fo	FP7-SPACE-2013-1	https://cordis.europa.eu/			Sort by the d
AfriVeg	T	1.0	Assessment of African V	H2020-MSCA-IF-2016	https://cordis.europa.eu/			
ASFORCLIC	T	1.0	Adaption strategies in fo	H2020-WIDESPREAD-2	https://cordis.europa.eu/			
B4EST	T	1.0	Adaptive BREEDING for	H2020-BB-2017-2	https://cordis.europa.eu/			
BACCARA	T	1.0	Biodiversity And Climate	FP7-KBBE-2008-2B	https://cordis.europa.eu/	_		List of all the
BASAJAUN	T	1.0	BASAJAUN - Building A	H2020-RUR-2019-1	https://cordis.europa.eu/			
BIO-AEROSOLS	T	1.0	Aerosols in fixed-bed bio	FP5-EESD	https://cordis.europa.eu/	_		acionyms, p
Bioenergy4Business	T	1.0	Uptake of Solid Bioener	H2020-LCE-2014-3	https://cordis.europa.eu/			names and
CARBONSINK-LBA	T	1.0	The future of the tropical	FP5-EESD	https://cordis.europa.eu/	-		programma
CASTLE	T	1.0	Careers in Sustainability	FP7-PEOPLE-2012-ITN	https://cordis.europa.eu/	-		programme
CLIMPRO	T	1.0	Climate proofing future f	H2020-MSCA-IF-2019	https://cordis.europa.eu/			
COST ACTION E8	T	1.0	Support for the organisat	FP5-INCO 2	https://cordis.europa.eu/	_		
DOFOCO	T	1.0	Do forests cool the Earth	ERC-2009-StG	https://cordis.europa.eu/			
DOMOHEAT	T	1.0	Tertiary heating systems	FP6-2005-TREN-4	https://cordis.europa.eu/	-		
DoMWoB	T	1.0	DOVETAILED MASSIVE	H2020-MSCA-IF-2020	https://cordis.europa.eu/			
ECHAINE	T	1.0	Energy wood production	FP5-EESD	https://cordis.europa.eu/	_		
EcoBioMass	T	1.0	EcoBioMass – harvestin	H2020-SMEINST-2-201	https://cordis.europa.eu/			
ECOWOOD	T	1.0	Development of a protoc	FP5-LIFE QUALITY	https://cordis.europa.eu/			
EOMonDis	T	1.0	Bringing Earth Observati	H2020-EO-2015	https://cordis.europa.eu/			
ERIFORE	T	1.0	Research Infrastructure f	H2020-INFRADEV-1-20	https://cordis.europa.eu/			
ESTABLISH	T	1.0	Molecular ecophysiology	FP5-LIFE QUALITY	https://cordis.europa.eu/			
EUCANwin	T	1.0	European – Canadian p	H2020-LC-SC3-2020-NZ	https://cordis.europa.eu/			
FODEX	T	1.0	Tropical Forest Degradat	ERC-2017-STG	https://cordis.europa.eu/		~	

ifferent fields

project oroject funding (call)



Find more info about TIM on the website of the Competence Centre on Text Mining and Analysis

Tutorials & Documentation

