



SEMICON 20
conference 23



Madrid

17 Oct

Pre-conference
workshops



SeTA: Semantic Text Analyser and More

Vidas DAUDARAVIČIUS

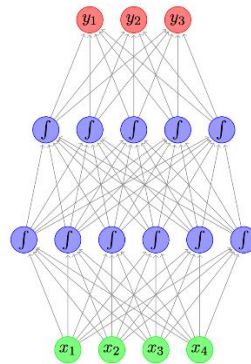


Semantic Text Analyser and More
<https://seta-dev.jrc.cec.eu.int/>
<https://seta.jrc.ec.europa.eu/>

Centralized service for data discovery
Collaboration tool to make your data discoverable



Full-text search



Neural search



Concept search

Sustainable Europe and Fair Europe

1. Shaping The Green Transitions For A Sustainable And Fair Europe

1

"sustainable europe" Search

sustainable europe research institute

sustainable europe

sustainable european future

sustainable european wine sector

sustainable european union

sustainable european cities

sustainable european tourism

sustainable europe

low carbon future low-carbon society low-carbon economy sustainable energy future

circular economy low carbon energy system green economy

sustainable economy sustainable society resource-efficient competitive economy

sustainable energy system sustainable sustainable transport system

inclusive society inclusive labour market active society inclusive europe integrated europe

cohesive society inclusive information society integrated society

secure europe better europe european strategy coherent european contract law

efficient european procurement market







Related Term Clusters



"sustainable europe"



Search

- Towards a sustainable Europe by 2030 : reflection paper.** 
JRC-SETA-CELLAR > none > 13 February 2019
http://publications.europa.eu/resource/cellar/3b096b37-300a-11e9-8d04-01aa75ed71a1.0023.03/DOC_2
- Reflection Paper Towards a Sustainable Europe by 2030** 
JRC-SETA-CELLAR > Preparatory act > 30 January 2019
http://publications.europa.eu/resource/cellar/21b348d0-261f-11e9-8d04-01aa75ed71a1.0001.02/DOC_1
- Reflection Paper Towards a Sustainable Europe by 2030** 
JRC-SETA-CELLAR > Preparatory act > 30 January 2019
http://publications.europa.eu/resource/cellar/21b348d0-261f-11e9-8d04-01aa75ed71a1.0001.02/DOC_2
- Towards a sustainable Europe by 2030 : reflection paper.** 
JRC-SETA-CELLAR > none > 13 February 2019
http://publications.europa.eu/resource/cellar/3b096b37-300a-11e9-8d04-01aa75ed71a1.0023.03/DOC_1
- Europe listening to its citizens for a sustainable Europe.** 
JRC-SETA-CELLAR > none > 2 May 2019
http://publications.europa.eu/resource/cellar/eb6ad58c-6d4c-11e9-9f05-01aa75ed71a1.0004.01/DOC_1
- Knowledge for action : empowering the transition to a sustainable Europe.** 
JRC-SETA-CELLAR > none > 3 November 2021
http://publications.europa.eu/resource/cellar/0b5fd550-404a-11ec-89db-01aa75ed71a1.0001.01/DOC_1

Document as search input

Start typing a search term Search

sustainable Europe

Cancel Upload Text

JRC-SEIA-CELLAR > Home > 31 May 2022

1



Start typing a search term

Search

- A European Union strategy for sustainable development.** ▼

JRC-SETA-CELLAR > none > 14 June 2002
http://publications.europa.eu/resource/cellar/Oce6ce96-3867-43f4-ab8e-b571ab886011.0002.02/DOC_1
- Environment for Europeans. Supplement 2008.** ▼

JRC-SETA-CELLAR > none > 7 October 2008
http://publications.europa.eu/resource/cellar/dc7061ed-a140-4732-8724-5f42744a4a62.0002.02/DOC_1
- EU & me.** ▼

JRC-SETA-CELLAR > none > 31 May 2022
http://publications.europa.eu/resource/cellar/45640227-e0bf-11ec-a534-01aa75ed71a1.0001.03/DOC_2
- Towards a sustainable Europe by 2030 : reflection paper.** ▼

JRC-SETA-CELLAR > none > 13 February 2019
http://publications.europa.eu/resource/cellar/3b096b37-300a-11e9-8d04-01aa75ed71a1.0023.03/DOC_2
- Official Journal of the European Communities Debates of the European Parliament 1990-91 Session. Report of proceedings from 9 to 13 July 19...** ▼

JRC-SETA-CELLAR > none > 7 April 2009
http://publications.europa.eu/resource/cellar/08b3794a-d6e6-4bae-8497-db0215fb98cc.0006.02/DOC_1
- Environment for Europeans. 43, May 2011.** ▼

JRC-SETA-CELLAR > none > 12 May 2011
http://publications.europa.eu/resource/cellar/41b1dfd6-86e1-4e77-9470-b59babcc25b5.0007.03/DOC_1
- Technology foresight on biometrics for the future of travel : research study.** ▼

JRC-SETA-CELLAR > none > 17 October 2022
http://publications.europa.eu/resource/cellar/19527789-4e92-11ed-92ed-01aa75ed71a1.0001.03/DOC_1

SeTA Discovery

The screenshot shows a search interface with the query "sustainable europe" entered. On the left, there is a list of suggestions: "sustainable europe research institute", "sustainable europe", "sustainable european future", "sustainable european wine sector", "sustainable european union", "sustainable european cities", and "sustainable european tourism". The main area displays a grid of related term clusters, including "low carbon future", "low-carbon society", "low-carbon economy", "sustainable energy future", "circular economy", "low carbon energy system", "green economy", "sustainable economy", "sustainable society", "resource-efficient", "competit", "sustainable energy system", "sustainable", "sustainable transport system", "inclusive society", "inclusive labour market", "active society", "inclusive europ", "cohesive society", "inclusive information society", "integrated society", "secure europe", "better europe", "european strategy", "coherent european c", and "efficient european procurement market".

This screenshot shows a search bar with the text "Start typing a search term" and a search button. Below the search bar, there are icons for document, list, and close. A search result is displayed: "T1 sustainable europe".

Towards a **sustainable Europe** by 2030 : reflection paper.

JRC-SETA-CELLAR > none > 13 February 2019

http://publications.europa.eu/resource/cellar/3b096b37-300a-11e9-8d04-01aa75ed71a1.0023.03/DOC_2

Reflection Paper Towards a **Sustainable Europe** by 2030

JRC-SETA-CELLAR > Preparatory act > 30 January 2019

http://publications.europa.eu/resource/cellar/21b348d0-261f-11e9-8d04-01aa75ed71a1.0001.02/DOC_1

A European Union strategy for sustainable development.

JRC-SETA-CELLAR > none > 14 June 2002

http://publications.europa.eu/resource/cellar/0ce6ce96-3867-43f4-ab8e-b571ab886011.0002.02/DOC_1

Environment for Europeans. Supplement 2008.

JRC-SETA-CELLAR > none > 7 October 2008

http://publications.europa.eu/resource/cellar/dc7061ed-a140-4732-8724-5f42744a4a62.0002.02/DOC_1

EU & me.

JRC-SETA-CELLAR > none > 31 May 2022

http://publications.europa.eu/resource/cellar/45640227-e0bf-11ec-a534-01aa75ed71a1.0001.03/DOC_2

Towards a sustainable Europe by 2030 : reflection paper.

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Official Journal of the European Communities Debates of the European Parliament 1990-91 Session. Report of proceedings from 9 to 13 July 19...

JRC-SETA-CELLAR > none > 7 April 2009

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Environment for Europeans. 43, May 2011.

JRC-SETA-CELLAR > none > 12 May 2011

http://publications.europa.eu/resource/cellar/41b1dfd6-86e1-4e77-9470-b59babcc25b5.0007.03/DOC_1

Technology foresight on biometrics for the future of travel : research study.

JRC-SETA-CELLAR > none > 17 October 2022

http://publications.europa.eu/resource/cellar/19527789-4e92-11ed-92ed-01aa75ed71a1.0001.03/DOC_1

SeTA communities

The screenshot shows the top navigation bar with the European Commission logo, a search box, and links for Search, Communities, FAQs, and Contact. The main content area is titled 'Community' and features a sidebar with 'Communities' and 'Resources' tabs. The main panel has filters for 'Select Membership' and 'Select Status', both set to 'All', and a 'Search Field' with the placeholder 'Search by any field'. Below the filters, it displays 'Showing 2 results' for the 'JRC SeTA' community. The first result is 'JRC-SeTA' (ID: Jrc-seta) created on Tue Aug 29 2023, described as a project curating various data sources. The second result is 'JRC SeTA labels' (ID: Jrc-seta-labels) created on Tue Aug 29 2023, dedicated to labeling new data by reusing metadata and semantic similarity. A 'New Community +' button is visible at the bottom.

This screenshot shows a list of 7 communities under the 'Resources' tab. Each entry includes a magnifying glass icon, the community name, its ID, creation date, and a brief description. The communities are:

- JRC EuroVoc labels**: Community: [JRC SeTA labels](#) > ID: Jrc-eurovoc > Created at: Tue Aug 29 2023. The resource is used to assign EuroVoc labels to a new text.
- JRC EuroSciVoc labels**: Community: [JRC SeTA labels](#) > ID: Jrc-euroscivoc > Created at: Tue Aug 29 2023. The resource is used to assign EuroSciVoc labels to a new text. EuroSciVoc is used by CORDIS.
- JRC EC VDL priorities labels**: Community: [JRC SeTA labels](#) > ID: Jrc-ec-vdl-priorities > Created at: Tue Aug 29 2023. The resource is used to assign European Commission 2019-2024 priorities labels to a new text.
- JRC Portfolios 2023 labels**: Community: [JRC SeTA labels](#) > ID: Jrc-portfolios2023 > Created at: Tue Aug 29 2023. The resource is used to assign EC JRC portfolios 2023 labels to a new text.
- JRC SDG labels**: Community: [JRC SeTA labels](#) > ID: Jrc-sdg-labels > Created at: Tue Aug 29 2023. The resource is used to assign Sustainable Development Goals (SDG) labels to a new text.
- OP CELLAR**: Community: [JRC-SeTA](#) > ID: Jrc-seta-cellar > Created at: Mon Sep 11 2023. Cellar is the common data repository of the Publications Office of the European Union. Digital publications and metadata are stored in and disseminated via Cellar, in order to be used by humans and machines. <https://op.europa.eu/en/web/cellar>
- CORDIS**: Community: [JRC-SeTA](#) > ID: Jrc-seta-cordis > Created at: Mon Sep 11 2023. CORDIS contains information on all R&D projects the EU has funded since the 1980s under its dedicated research framework programmes. You can read more about the EU's activities in research and innovation. <https://cordis.europa.eu/>

- You can upload your documents and index them!

Why SeTA?

Search engines

- Policy officers are not target users
- Only first result page matters
 - Do you find next search pages useful?
- Not compatible with “policy wallet”
 - Are you sure you find comprehensive list of ir
- Generative answer has priority over links to documents
 - Big risk to stay in information bubble
- Do you know how documents are ranked in result list?
 - Is your draft legislation is affected by document rankings by search engines?

Google

Bing

Ask

YAHOO!

Yandex



DuckDuckGo

Baidu 百度

WOW

Why SeTA?

- Policy officers are target users
- All information matters (not just first result page)
- Collaboration tool: uploading data, policy wallet, etc.
- Result ranking is transparent
- Policy screening tool
- Reuse of (meta-)data



Thank you!