

Spring 2023

Topic Search

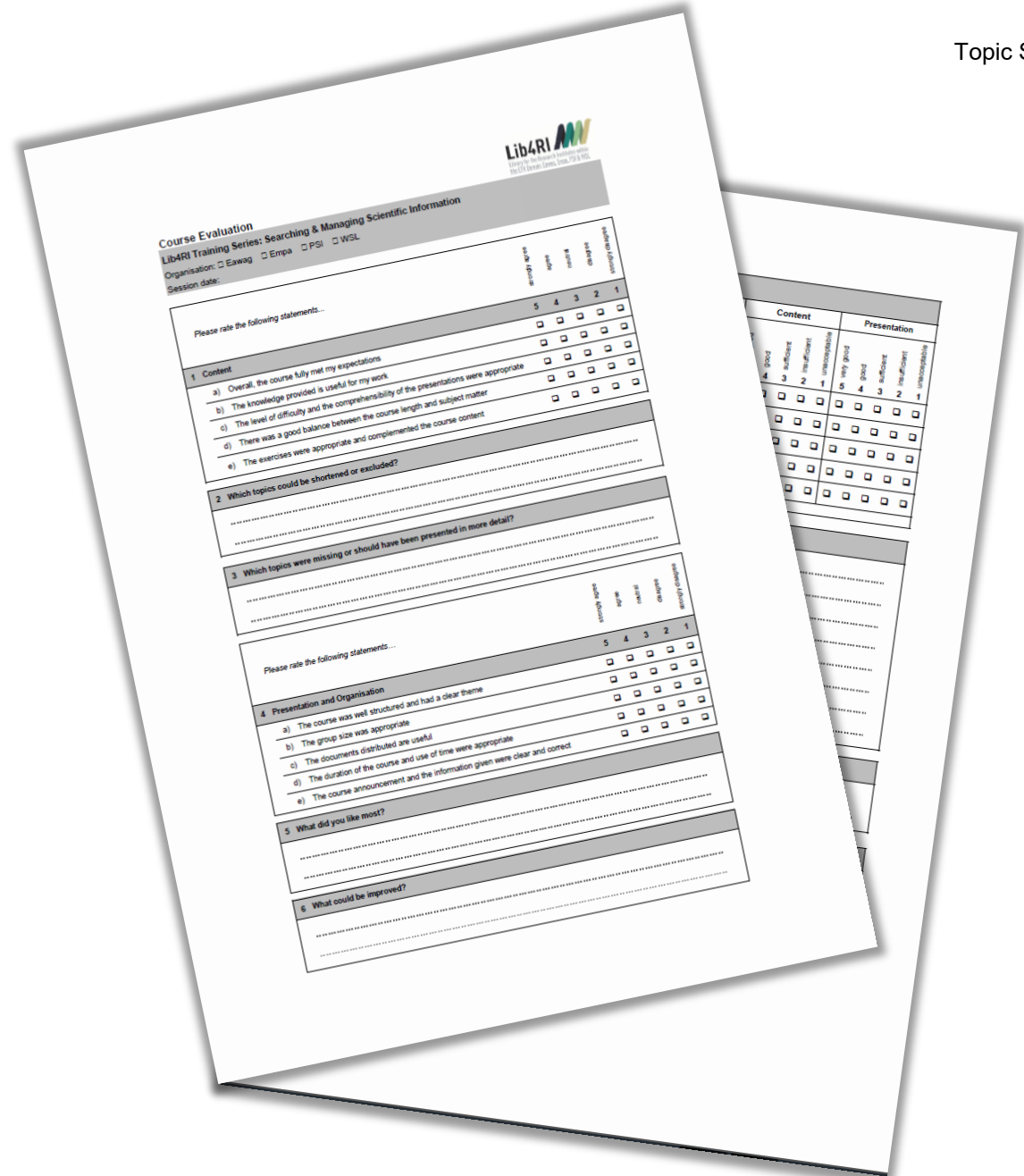
- o Steps before searching
- o Boolean search (Scopus, Web of Science, swisscovery, ...)
- o Refine & evaluate your results

Stephanie Hofmann & Bobby Neuhold

Thanks for your feedback

Help us improve our training by returning the feedback form enclosed in your documentation!

The course slides and supplementary material are available online on our website at www.lib4ri.ch > [Services](#) > [Trainings](#) > [Presentation Slides and Other Course Material](#)



Course Evaluation
Lib4RI Training Series: Searching & Managing Scientific Information
 Organisation: ☐ Eawag ☐ Empa ☐ PSI ☐ WSL
 Session date: _____

Please rate the following statements...

	5	4	3	2	1
1. Content					
a) Overall, the course fully met my expectations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) The knowledge provided is useful for my work	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) The level of difficulty and the comprehensibility of the presentations were appropriate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) There was a good balance between the course length and subject matter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e) There was a good balance between the course length and subject matter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f) The exercises were appropriate and complemented the course content	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2. Which topics could be shortened or excluded?

3. Which topics were missing or should have been presented in more detail?

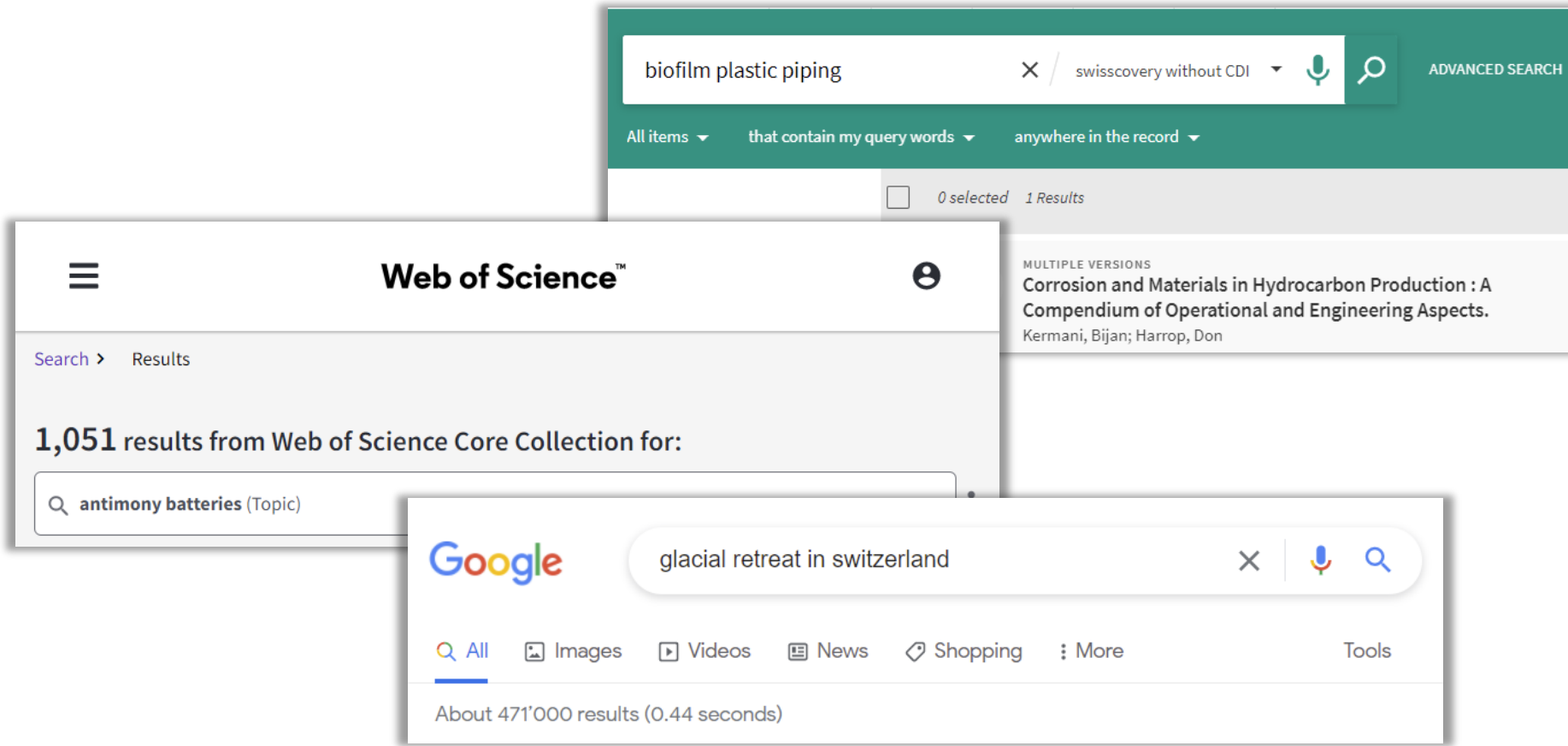
Please rate the following statements...

	5	4	3	2	1
4. Presentation and Organisation					
a) The course was well structured and had a clear theme	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) The group size was appropriate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) The documents distributed are useful	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) The duration of the course and use of time were appropriate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e) The course announcement and the information given were clear and correct	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

5. What did you like most?

6. What could be improved?

«Some search in order to find; and some find in order to end the effort of searching.» (Elazar Benyouët)



Retreat of Glaciers in Switzerland

Topic search

Thematic search

Copyright protected material.

Rhône Glacier, Valais, 1850 and 2000

Foto: Versuchsanstalt für Wasserbau, Hydrologie und Glaziologie (VAW) at ETH Zurich

Before searching – analyse your topic

- **How extensive should your search be?**
Do you need everything about your topic or simply the documents providing an overview?
Tip: combine your search terms with «overview», «introduction», «survey», «review», ... or use corresponding filters (if available)
- **Which material do you need?**
Books, PhD theses, articles,
→ different document types often require diverse search tools.
- **Which time period should be covered?**
Since when could there be publications on the topic?
Which period is covered by the search tools?

Before searching – analyse your topic

○ Orientation / definition of the terms

- Reference works (encyclopaedias, dictionaries, etc.)
- Manuals
- Wikipedia
- Some key papers/books you already have

○ Comprehensive searches with current issues

- Articles, conference proceedings, reports
- Books
- Standards, guidelines and patents (depending on the research topic; advanced level)

○ Historical searches

- Bibliographies
- Card index
- Archives

Before searching – analyse your topic

Analysis of the central terms of the topic

Define core concepts:

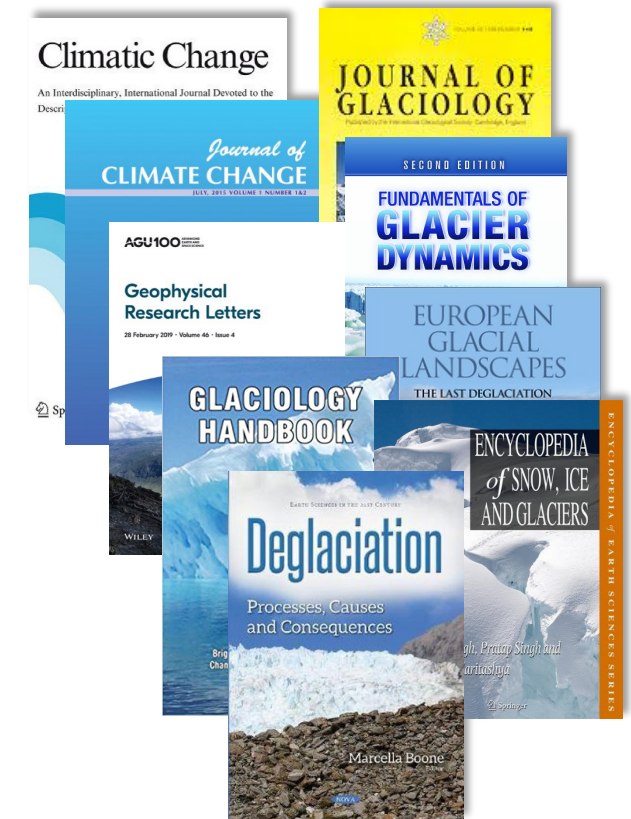
- Include synonyms, beware of homonyms
- Define super- and subordinate terms
- Check related terms
- Translate the search terms (if necessary)

Tip: Start from a few seminal papers and/or relevant reference works and follow an iterative search strategy

Note:

- Spelling BE and AE (covered by Scopus & WoS)
- Previous or other spellings
- Ambiguous and uncommon abbreviations
- Singular and plural forms (covered by Scopus & WoS)

→ Bring the concepts/search terms in a meaningful order, using a table.



Truncation, placeholders and wildcards

Electronic search tools generally seek character strings, not meanings.

→ Grammatical and spelling variations are often not taken into account

Truncation via placeholders and wildcards facilitate the search, e.g.:

\$ Represents zero or one character (WoS)

→ Topic search: colo\$r, finds color and colour

? Represents any one character (Scopus, WoS)

→ Author search: Ma?er, finds Maier and Mayer

* Represents zero or more trailing, leading or enclosed characters (Scopus, WoS and many more, but NOT Google)

→ econom* finds: economy, economist, economic, economically

Note: Too much truncation might lead to unwanted results.

Note: Check, what symbols you can use in which database.

Important: WoS and Scopus include lemmatisation, word stemming and spelling variations. These are automatically turned off when using truncations (often still better)

Phrase search

Search for documents with words in a sequence (phrase)

→ Phrase search: in “quotation marks”

Web of Science search for **energy transition**: 370,229 hits

Web of Science search for **”energy transition”**: 7,396 hits

☐ 48
 [How to promote energy transition in China: From the perspectives of interregional relocation and environmental regulation](#)
[Huang, LY](#) and [Zou, YJ](#)
 Oct 2020 | [ENERGY ECONOMICS](#) 92

6 Citations
 45 References

This study investigates the impacts of interregional clean energy relocation and environmental regulation on energy transition with panel data of 30 provinces in China from 1997 to 2015. Instead of applying the production data of clean energy directly as prior studies did, we calculate the actual consumption of ... [Show more](#)

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☐ 49
 [Will small energy consumers be faster in transition? Evidence from the early shift from coal to oil in Latin America](#)
[Rubio, MDM](#) and [Folchi, M](#)
 Nov 2012 | [ENERGY POLICY](#) 50, pp.50-61

36 Citations
 66 References

This paper provide evidence of the early transition from coal to oil for 20 Latin American countries over the first half of the 20th century, which does not fit the transition experiences of large energy consumers. These small energy consumers had earlier and faster transitions than leading nations. We also provide evider ... [Show more](#)

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[Full Text at Publisher](#)
...

Without the quotes, the space in between **energy transition** is interpreted as a logical **AND** neglecting order and location of the search terms

Important: WoS turns off lemmatisation and word stemming for words in quotes; Scopus, however, does NOT (unless truncation is in place)

Tip: Also works with swisscovery, Google and many more

Classify your research topic into concepts

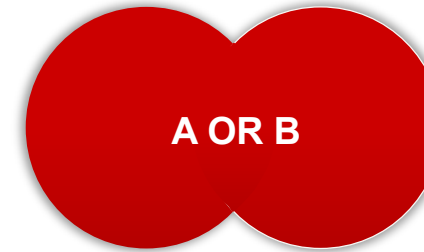
Retreat of **Glaciers** **Switzerland**

Concept 1	Concept 2	Concept 3
retreat	glaciers	Switzerland

Boolean operators (logical operators from set theory)

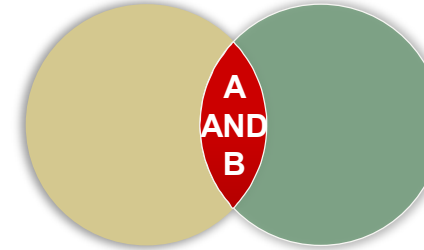
OR any one of the search terms must occur to be retrieved. Hits contain at least one of the terms.

→ Number of results increases



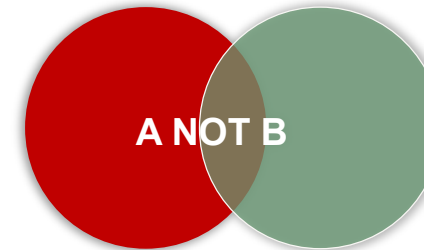
AND all search terms must occur to be retrieved. Hits contain both search terms.

→ Number of results decreases



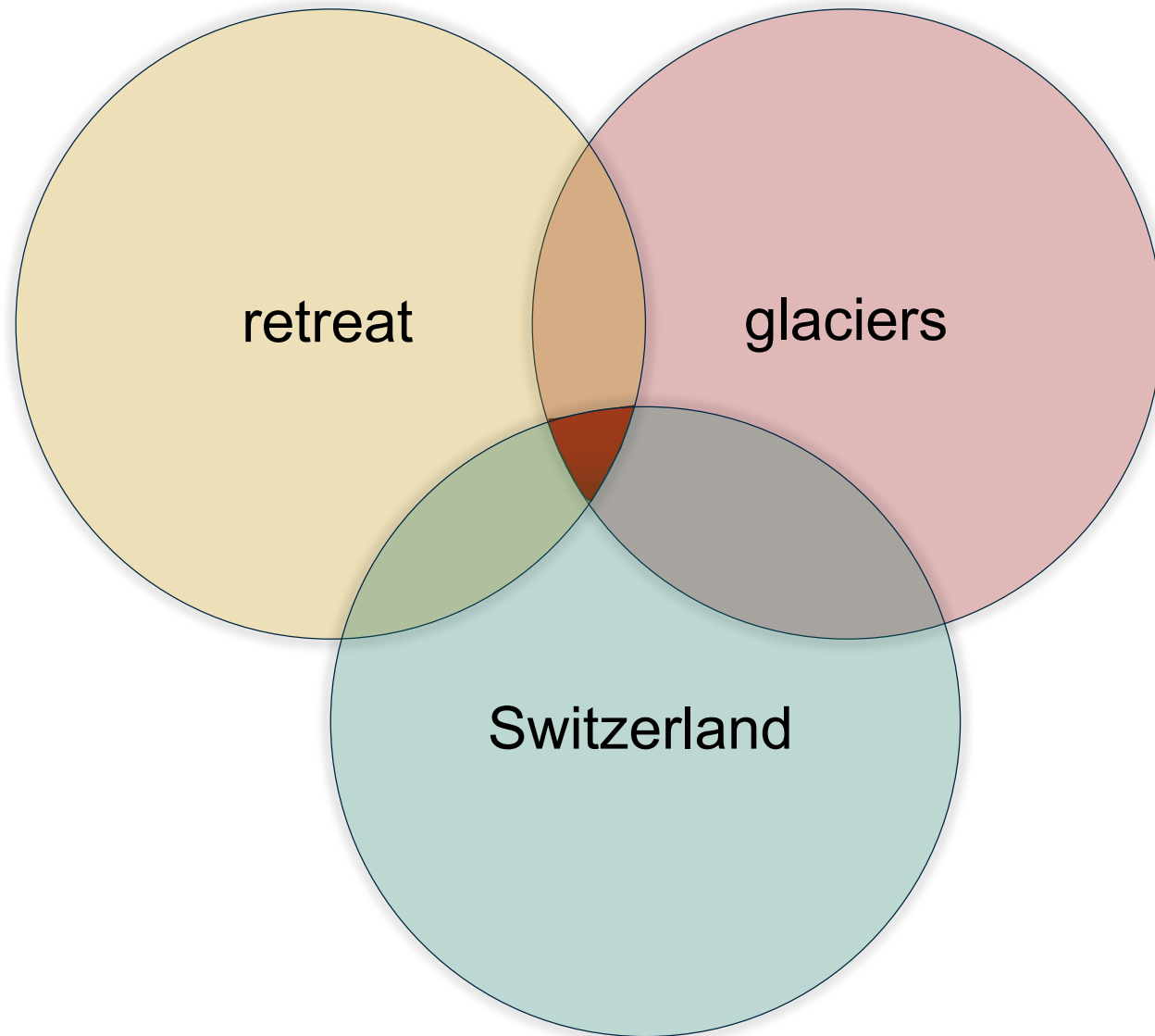
NOT excludes records that contain a given search term after the NOT-operator.

→ Number of results decreases



Combine concepts

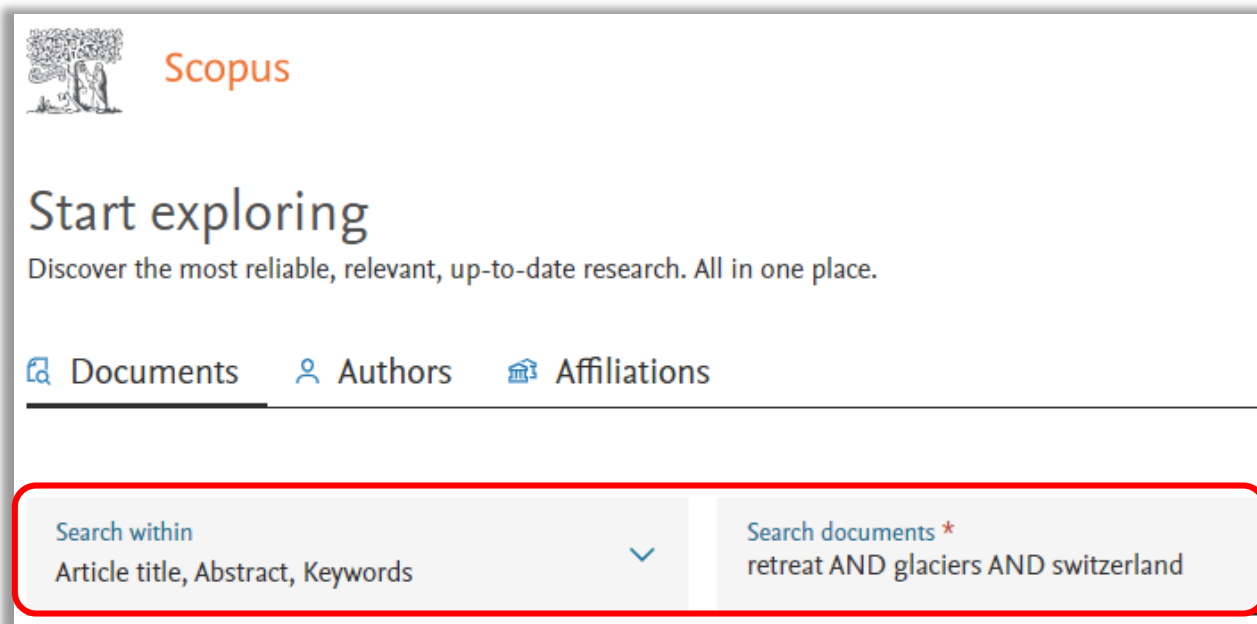
retreat
AND
glaciers
AND
Switzerland



Search in Scopus

www.scopus.com

A rather quick and dirty first topic search



Scopus

Start exploring

Discover the most reliable, relevant, up-to-date research. All in one place.

Documents Authors Affiliations

Search within
Article title, Abstract, Keywords

Search documents *
retreat AND glaciers AND switzerland

196 document results

TITLE-ABS-KEY (retreat AND glaciers AND switzerland)

Edit Save Set alert

Search within results...

Refine results

Limit to Exclude

Open Access

Year

Author name

Subject area

Documents Secondary documents Patents View Mendeley Data (81)

Analyze search results Show all abstracts Sort on: Cited by (highest)

All RIS export Download View citation overview View cited by Save to list

	Document title	Authors	Year	Source	Cited by
1	Remote sensing based assessment of hazards from glacier lake outbursts: A case study in the Swiss Alps	Huggel, C., Kääb, A., Haeberli, W., Teyssere, P., Paul, F.	2002	Canadian Geotechnical Journal 39(2), pp. 316-330	356

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Retreat of Glaciers in Switzerland

Library for the Research Institutes within the ETH Domain: Eawag, Empa, PSI & WSL

Find synonyms and related concepts

Retreat of Glaciers in Switzerland

Concept 1	Concept 2	Concept 3
retreat	glaciers	Switzerland
withdrawal	ice field	Swiss
shrinkage	icefield	
loss	ice cap	(European alps)
disappearance	icecap	(Europe)
ablation	ice mass	
deglaciation		
calving	(permafrost)	
melting		
sublimation		
precipitation		

Truncated and phrased concept list

Retreat of Glaciers Switzerland

Concept 1	Concept 2	Concept 3
retreat*	glaci*	Switzerland
withdr*	"ice field"	Swiss
shrink*	icefield*	
los*	"ice cap"	
disappear*	"icecap"	
ablat*	"ice mass"	
deglaci*		
calving		
melt*		
sublim*		
precipit*		

Combine concepts (and their synonyms)

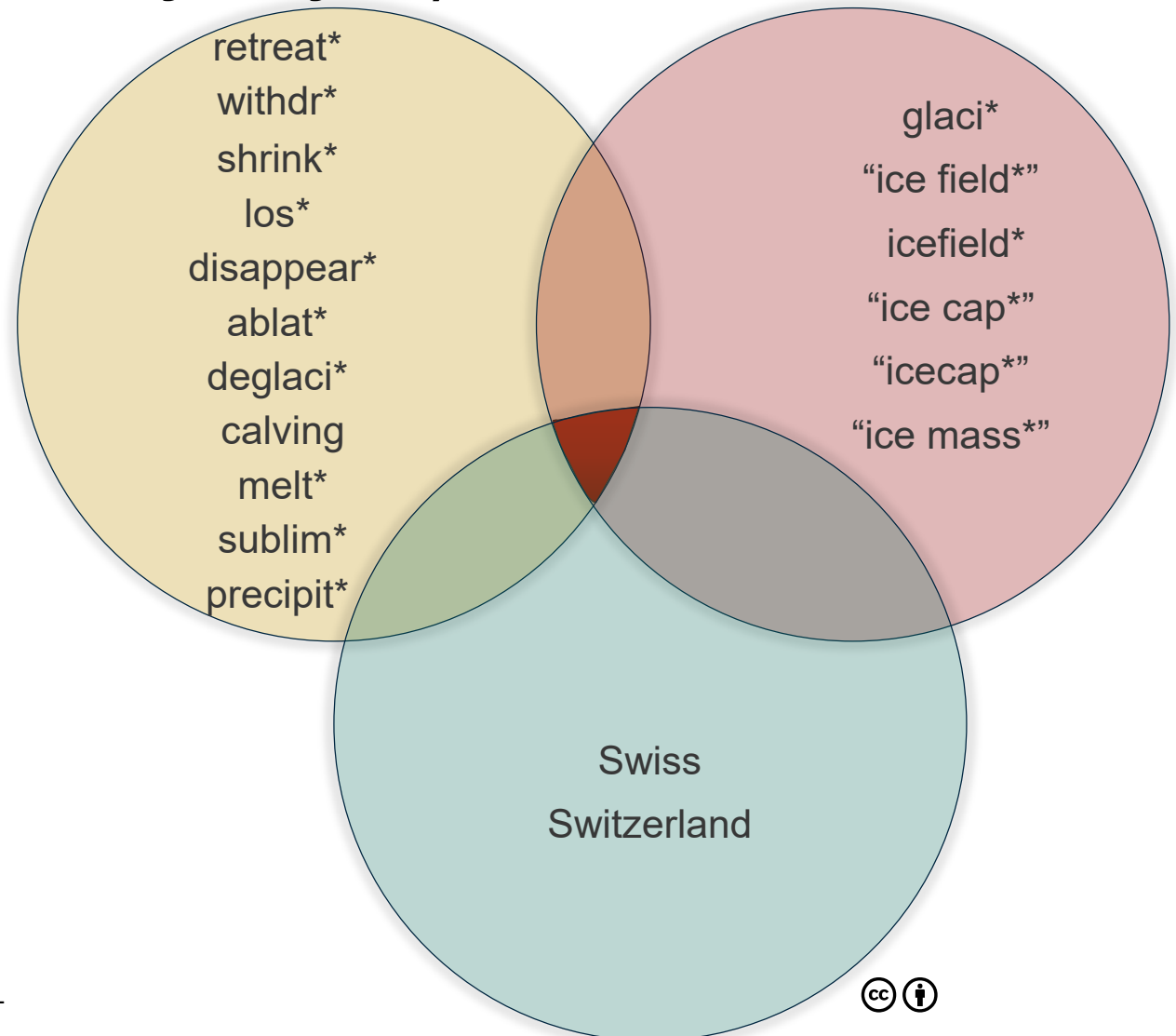
(retreat* OR withdr* OR ...)

AND

(glaci* OR "ice field*" OR ...)

AND

(Switzerland OR ...)



Search in Scopus: www.scopus.com

5,896,803 document results

TITLE-ABS-KEY (retreat* OR withdr* OR shrink* OR los* OR disappear* OR ablat* OR deglaci* OR calving OR melt* OR sublim* OR precipit*)

Edit Save Set alert

Search within results...

Refine results

Limit to Exclude

Open Access

Year

Author name

Subject area

Publication stage

Document type

Source title

Keyword

Affiliation

Funding sponsor

Documents Secondary documents Patents

Analyze search results Show all abstracts Sort on: Cited by (highest)

All RIS export Download View citation overview View cited by Save to list

	Document title	Authors	Year	Source	Cited by
1	Nonparametric Estimation from Incomplete Observations	Kaplan, E.L., Meier, P.	1958	Journal of the American Statistical Association 53(282), pp. 457-481	47504
	View abstract	Get it Lib4RI	View at Publisher		
2	Electrophoretic transfer of proteins from polyacrylamide gels to nitrocellulose sheets: Procedure and some applications	Towbin, H., Staehelin, T., Gordon, J.	1979	Proceedings of the National Academy of Sciences of the United States of America 76(9), pp. 4350-4354	44653
	View abstract	Get it Lib4RI	View at Publisher		
3	Moderated estimation of fold change and dispersion for RNA-seq data with DESeq2	Love, M.I., Huber, W., Anders, S.	2014	Genome Biology 15(12),550	27785
	Open Access				

retreat*
withdr*
shrink*
los*
disappear*
ablat*
deglaci*
calving
melt*
sublim*
precipit*

Let's do the search queries individually to get an idea on the bottleneck concept

Search in Scopus: www.scopus.com

128,671 document results

TITLE-ABS-KEY (glaci* OR "ice field*" OR icefield* OR "ice cap*" OR icecap* OR "ice mass*")

Edit Save Set alert

Search within results...

Refine results

Limit to Exclude

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Year

Author name

Subject area

Publication stage

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Source title

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1

Global analyses of sea surface temperature, sea ice, and night marine air temperature since the late nineteenth century
Open Access

Rayner, N.A., Parker, D.E., Horton, E.B., (...), Kent, E.C., Kaplan, A.

2003

Journal of Geophysical Research: Atmospheres 108(14), pp. ACL 2-1 - ACL 2-29

7204

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Related documents

2

Climate and atmospheric history of the past 420,000 years from the Vostok ice core, Antarctica
Open Access

Petit, J.R., Jouzel, J., Raynaud, D., (...), Saltzman, E., Stievenard, M.

1999

Nature 399(6735), pp. 429-436

4330

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Related documents

3

Early proterozoic climates and plate motions inferred from major element chemistry of lutites

Nesbitt, H.W., Young, G.M.

1982

Nature 299(5885), pp. 715-717

4092

glaci*
"ice field*"
icefield*
"ice cap*"
"icecap*"
"ice mass*"

Search in Scopus: www.scopus.com

365,067 document results

TITLE-ABS-KEY (switzerland OR swiss)

Edit Save Set alert

Search within results...

Refine results

Limit to Exclude

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Author name

Subject area

Publication stage

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Affiliation

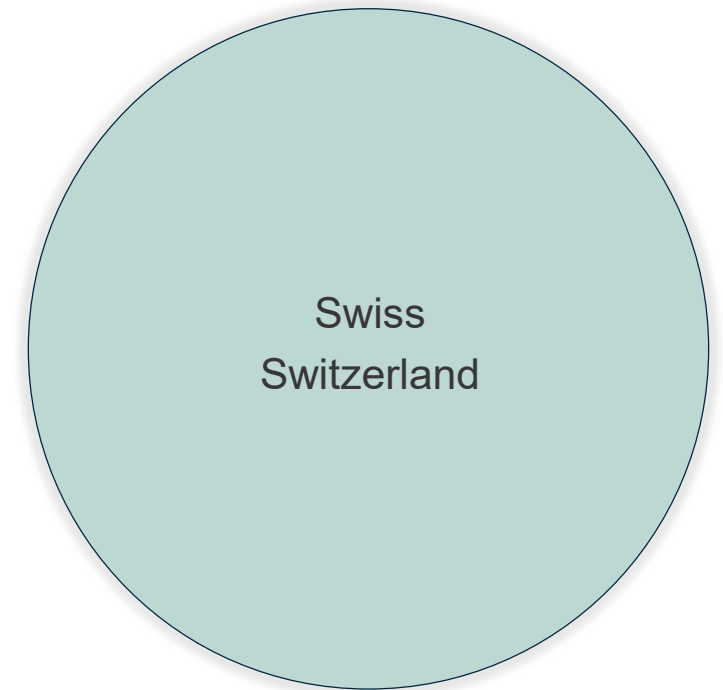
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Analyze search results Show all abstracts Sort on: Cited by (highest)

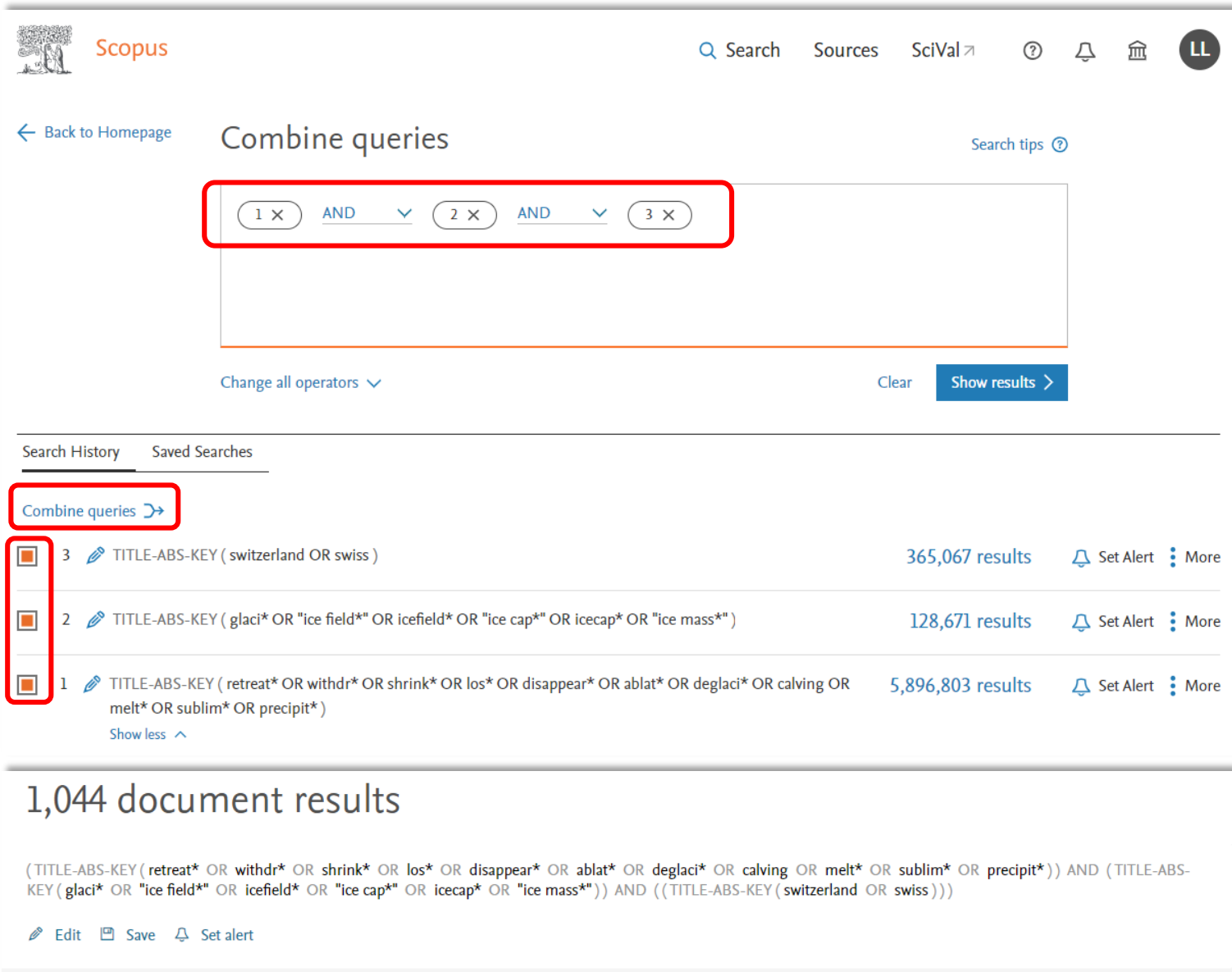
All RIS export Download View citation overview View cited by Save to list

	Document title	Authors	Year	Source	Cited by
<input type="checkbox"/> 1	SWISS-MODEL and the Swiss-PdbViewer: An environment for comparative protein modeling	Guex, N., Peitsch, M.C.	1997	Electrophoresis 18(15), pp. 2714-2723	9405
	View abstract	Get it Lib4RI	View at Publisher	Related documents	
<input type="checkbox"/> 2	Ecological responses to recent climate change	Walther, G.-R., Post, E., Convey, P., (...), Hoegh-Guldberg, O., Bairlein, F.	2002	Nature 416(6879), pp. 389-395	7018
	View abstract	Get it Lib4RI	View at Publisher	Related documents	
<input type="checkbox"/> 3	The SWISS-MODEL workspace: A web-based environment for protein structure homology modelling	Arnold, K., Bordoli, L., Kopp, J., Schwede, T.	2006	Bioinformatics 22(2), pp. 195-201	5953
	Open Access				



This seems to be a lot just on Switzerland. We'll see about this later.

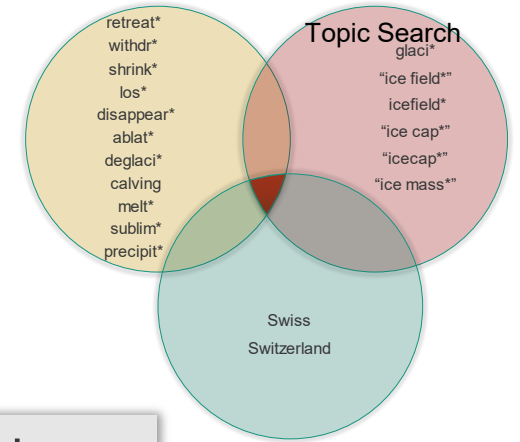
Search in Scopus: www.scopus.com



The screenshot shows the Scopus search interface. At the top, there's a navigation bar with 'Search', 'Sources', 'SciVal', and a user profile icon. Below this, the 'Combine queries' section is highlighted with a red box. It shows a query builder with three slots: '1 X', 'AND', '2 X', 'AND', and '3 X'. Below the query builder, there's a 'Change all operators' dropdown and a 'Show results' button. In the 'Search History' section, three queries are listed, each with a red box around its checkbox and a red box around the 'Combine queries' link. The queries are:

- 3 TITLE-ABS-KEY (switzerland OR swiss) 365,067 results
- 2 TITLE-ABS-KEY (glaci* OR "ice field*" OR icefield* OR "ice cap*" OR icecap* OR "ice mass*") 128,671 results
- 1 TITLE-ABS-KEY (retreat* OR withdr* OR shrink* OR los* OR disappear* OR ablat* OR deglaci* OR calving OR melt* OR sublim* OR precipit*) 5,896,803 results

Below the search history, it says '1,044 document results' and shows the combined query: (TITLE-ABS-KEY(retreat* OR withdr* OR shrink* OR los* OR disappear* OR ablat* OR deglaci* OR calving OR melt* OR sublim* OR precipit*)) AND (TITLE-ABS-KEY(glaci* OR "ice field*" OR icefield* OR "ice cap*" OR icecap* OR "ice mass*")) AND ((TITLE-ABS-KEY(switzerland OR swiss)))



Let's combine them via the search history

Quite a few hits

Maybe relate them to **climate change**?

Are they all relevant?

Search in Scopus: www.scopus.com

558,436 document results

TITLE-ABS-KEY ("climat* chang*" OR "global warm*" OR "climat* warm*" OR "global chang*" OR "greenhouse effect*" OR "greenhouse gas*")

Edit Save Set alert

Search within results...

Refine results

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Year

Author name

Subject area

Publication stage

Document type

Source title

Keyword

Affiliation

Funding sponsor

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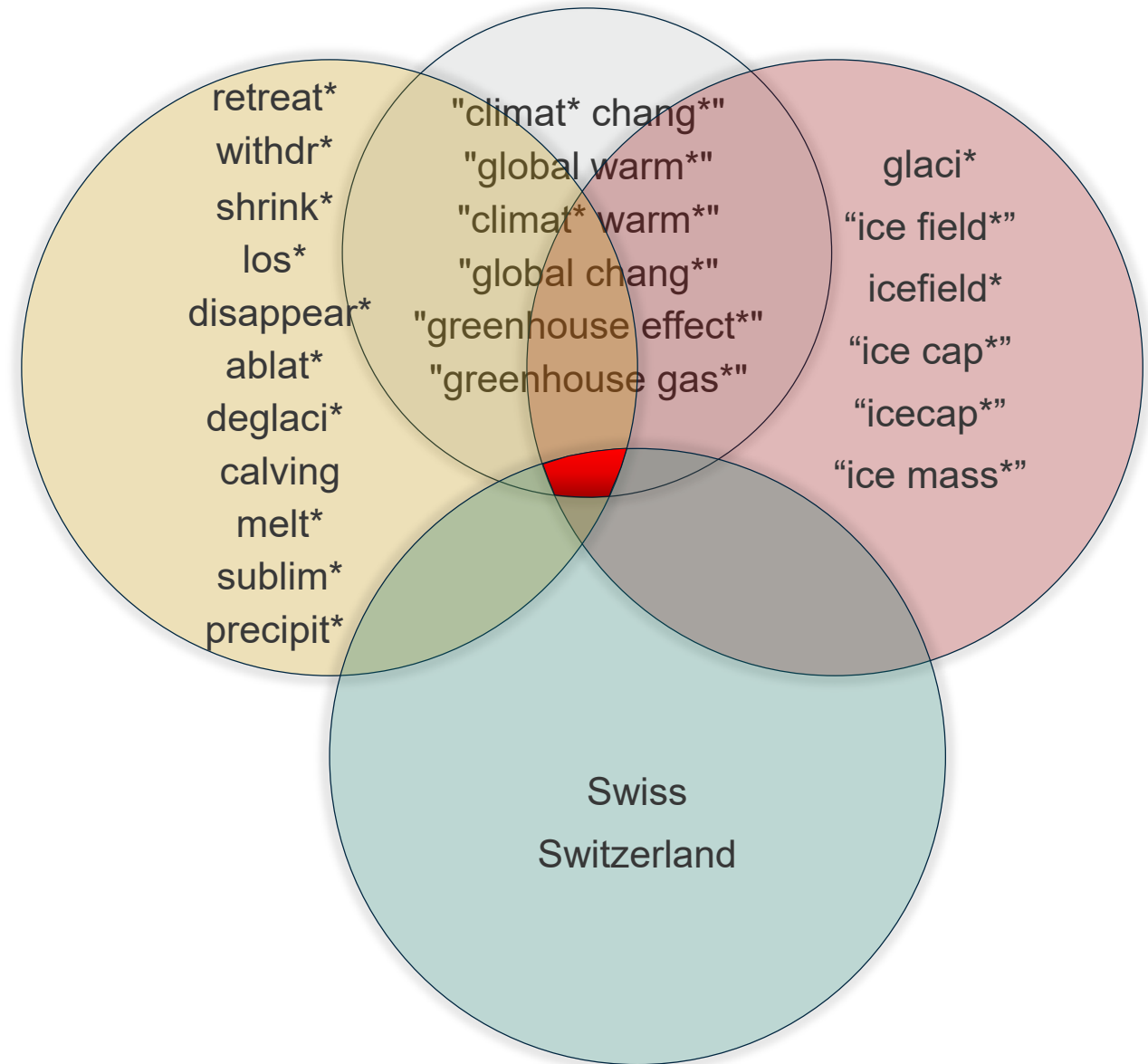
	Document title	Authors	Year	Source	Cited by
<input type="checkbox"/> 1	An overview of CMIP5 and the experiment design Open Access	Taylor, K.E., Stouffer, R.J., Meehl, G.A.	2012	Bulletin of the American Meteorological Society 93(4), pp. 485-498	9848
View abstract View at Publisher Related documents					
<input type="checkbox"/> 2	Climate change 2013 the physical science basis: Working Group I contribution to the fifth assessment report of the intergovernmental panel on climate change (Book) Open Access	Stocker, T.F., Qin, D., Plattner, G.-K., (...), Bex, V., Midgley, P.M.	2013	Climate Change 2013 the Physical Science Basis: Working Group I Contribution to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change 9781107057999, pp. 1-1535	7714
View abstract View at Publisher					

"climat* chang*"
 "global warm*"
 "climat* warm*"
 "global chang*"
 "greenhouse effect*"
 "greenhouse gas*"

Ok.

Search in Scopus: www.scopus.com

(retreat* OR withdr* OR ...)
AND
 (glaci* OR "ice field*" OR ...)
AND
 (Switzerland OR ...)
AND
 ("climat* chang*" OR ...)



Search in Scopus: www.scopus.com

Search History Saved Searches

Combine queries ➔

- 5 TITLE-ABS-KEY ("climat* chang*" OR "global warm*" OR "climat* warm*" OR "global chang*" OR "greenhouse ... 558,436 results Set Alert More
- 4 (TITLE-ABS-KEY (retreat* OR withdr* OR shrink* OR los* OR disappear* OR ablat* OR deglaci* OR calving OR melt* ... 1,044 results Set Alert More
- 3 TITLE-ABS-KEY (switzerland OR swiss) 365,067 results Set Alert More
- 2 TITLE-ABS-KEY (glaci* OR "ice field*" OR icefield* OR "ice cap*" OR icecap* OR "ice mass*") 128,671 results Set Alert More
- 1 TITLE-ABS-KEY (retreat* OR withdr* OR shrink* OR los* OR disappear* OR ablat* OR deglaci* OR calving OR melt* OR sublim* OR precipit*) 5,896,803 results Set Alert More

262 document results

(TITLE-ABS-KEY (retreat* OR withdr* OR shrink* OR los* OR disappear* OR ablat* OR deglaci* OR calving OR melt* OR sublim* OR precipit*)) AND (TITLE-ABS-KEY (glaci* OR "ice field*" OR icefield* OR "ice cap*" OR icecap* OR "ice mass*")) AND (TITLE-ABS-KEY (switzerland OR swiss)) AND (TITLE-ABS-KEY ("climat* chang*" OR "global warm*" OR "climat* warm*" OR "global chang*" OR "greenhouse effect*" OR "greenhouse gas*"))

Edit Save Set alert

Search within results...

Refine results

Limit to Exclude

Open Access

Year

Author name

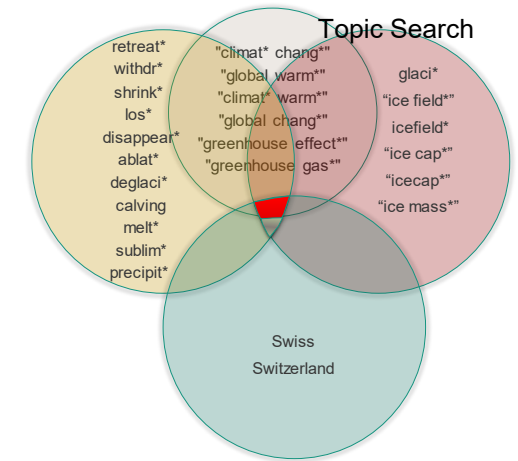
Subject area

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<input type="checkbox"/> Save to list					
<input type="checkbox"/> ...					
<input type="checkbox"/> Print					
<input type="checkbox"/> Email					
<input type="checkbox"/> Save					
<input type="checkbox"/> 1	The Alps with little ice: Evidence for eight holocene phases of reduced glacier extent in the Central Swiss Alps	Hormes, A., Müller, B.U., Schlüchter, C.	2001	Holocene 11(3), pp. 255-265	189
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Let's combine them all via the search history

Ok. This is something to work on.

Search in Scopus: www.scopus.com

Document type
Article • Gold Open Access • Green Open Access

Source type
Journal

ISSN
20734433

DOI
10.3390/atmos8080138

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Atmosphere • Open Access • Volume 8, Issue 8 • 29 July 2017 • Article number 138

Perspectives on the future of ice nucleation research: Research needs and Unanswered questions identified from two international workshops

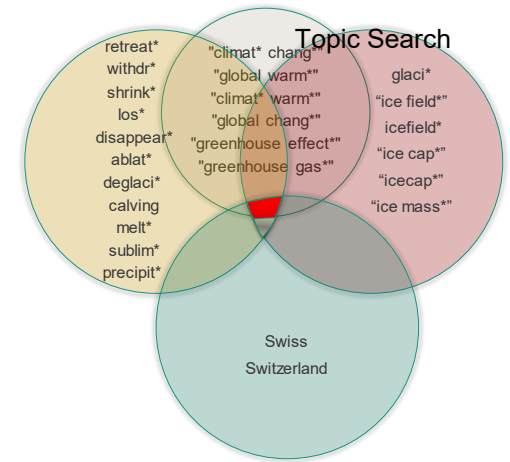
Coluzza, Ivan^a ; Creamean, Jessie^{b, c} ; Rossi, Michel J.^d ; Wex, Heike^e ; Alpert, Peter Aaron^{f, g} ; Bianco, Valentino^a ; Boose, Yvonne^h ; Dellago, Christoph^a ; Felgitsch, Lauraⁱ ; Fröhlich-Nowoisky, Janine^j ; Herrmann, Hartmut^e ; Jungblut, Svetlana^a

Abstract

There has been increasing interest in ice nucleation research in the last decade. To identify important gaps in our knowledge of ice nucleation processes and their impacts, two international workshops on ice nucleation were held in Vienna, Austria in 2015 and 2016. Experts from these workshops identified the following research needs: (1) uncovering the molecular identity of active sites for ice nucleation; (2) the importance of modeling for the understanding of heterogeneous ice nucleation; (3) identifying and quantifying contributions of biological ice nuclei from natural and managed environments; (4) examining the role of aging in ice nuclei; (5) conducting targeted sampling campaigns in clouds; and (6) designing lab and field experiments to increase our understanding of the role of ice-nucleating particles in the atmosphere. Interdisciplinary teams of scientists should work together to establish and maintain a common, unified language for ice nucleation research. A number of commercial applications benefit from ice nucleation research, including the production of artificial snow, the freezing and preservation of water-containing food products, and the potential modulation of weather. Additional work is needed to increase our understanding of ice nucleation processes and potential impacts on precipitation, water availability, climate change, crop health, and feedback cycles. 2017 by the authors. Licensee MDPI, Basel, Switzerland.

Author keywords

Aging; Cloud glaciation; Crystal; Ice nucleation; IN; INM; INP; Nucleation sites; Precipitation; Water



Let's see about relevance

Oops. This one is not about Swiss glaciers.

The publisher's copyright info in the abstract includes Switzerland

Search in Scopus: www.scopus.com

174 document results

(TITLE-ABS-KEY (retreat* OR withdr* OR shrink* OR los* OR disappear* OR ablat* OR deglaci* OR calving OR melt* OR sublim* OR precipit*)) AND (TITLE-ABS-KEY (glaci* OR "ice field*" OR icefield* OR "ice cap*" OR icecap* OR "ice mass*")) AND (TITLE-ABS-KEY (switzerland OR swiss)) AND (TITLE-ABS-KEY ("climat* chang*" OR "global warm*" OR "climat* warm*" OR "global chang*" OR "greenhouse effect*" OR "greenhouse gas*")) AND (LIMIT-TO (EXACTKEYWORD , "Switzerland"))

Edit Save Set alert

Search within results...

Refine results

Limit to Exclude

Open Access

Year

Author name

Subject area

Publication stage

Document type

Source title

Keyword

Switzerland (174)

Climate Change (124)

Alps (72)

Documents Secondary documents Patents

Analyze search results

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Document title Authors Year Source Cited by

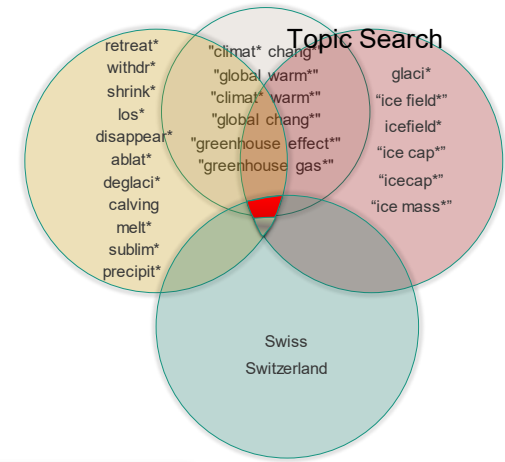
1 The Alps with little ice: Evidence for eight holocene phases of reduced glacier extent in the Central Swiss Alps Hormes, A., Müller, B.U., Schlüchter, C. 2001 Holocene 11(3), pp. 255-265 189

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2 Quantification of biotic responses to rapid climatic changes around the Younger Dryas - A synthesis Ammann, B., Birks, H.J.B., Brooks, S.J., (...), Tobolski, K., Wick, L. 2000 Palaeogeography, Palaeoclimatology, Palaeoecology 159(3-4), pp. 313-347 187

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3 Oxygen isotopes of lake marl at Gerzensee and Leysin (Switzerland), covering the Younger Dryas and two minor oscillations, and their correlation to the GRIP ice core Schwander, J., Eicher, U., Ammann, B. 2000 Palaeogeography, Palaeoclimatology, Palaeoecology 159(3-4), pp. 203-214 142



So, we could limit the search to the keyword Switzerland

... but this would likely miss quite a few

Search in Scopus: www.scopus.com

< Basic Search Advanced

Search tips ?

Enter query string

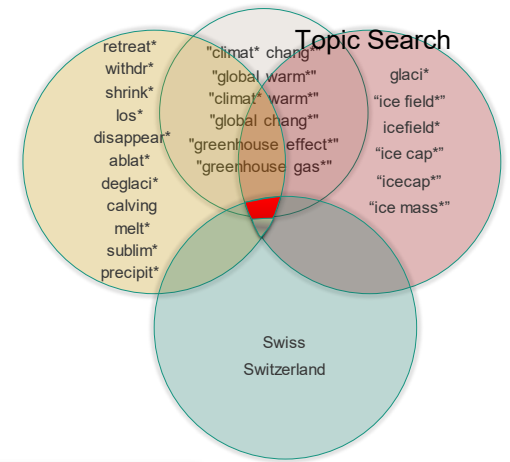
(TITLE-ABS-KEY(retreat* OR withdr* OR shrink* OR los* OR disappear* OR ablat* OR deglaci* OR calving OR melt* OR sublim* OR precipit*)) AND (TITLE-ABS-KEY(glaci* OR "ice field*" OR icefield* OR "ice cap*" OR icecap* OR "ice mass*")) AND (TITLE-ABS-KEY(switzerland OR swiss)) AND (TITLE-ABS-KEY("climat* chang*" OR "global warm*" OR "climat* warm*" OR "global chang*" OR "greenhouse effect*" OR "greenhouse gas*"))

< Basic Search Advanced

Search tips ?

Enter query string

(TITLE-ABS-KEY(retreat* OR withdr* OR shrink* OR los* OR disappear* OR ablat* OR deglaci* OR calving OR melt* OR sublim* OR precipit*)) AND (TITLE-ABS-KEY(glaci* OR "ice field*" OR icefield* OR "ice cap*" OR icecap* OR "ice mass*")) AND (TITLE(switzerland OR swiss) OR KEY(switzerland OR swiss) OR ABS(swiss)) AND (TITLE-ABS-KEY("climat* chang*" OR "global warm*" OR "climat* warm*" OR "global chang*" OR "greenhouse effect*" OR "greenhouse gas*"))



Or, we could defer from searching for Switzerland just in the abstract

... and search individually the TITLE, KEY and ABS fields but leave out Switzerland for the ABS search

Search in Scopus: www.scopus.com

236 document results

TITLE-ABS-KEY (retreat* OR withdr* OR shrink* OR los* OR disappear* OR ablat* OR deglaci* OR calving OR melt* OR sublim* OR precipit*) AND TITLE-ABS-KEY (glaci* OR "ice field*" OR icefield* OR "ice cap*" OR icecap* OR "ice mass*" OR "ice mass*" AND (TITLE (switzerland OR swiss) OR KEY (switzerland OR swiss) OR ABS (swiss)) AND TITLE-ABS-KEY ("climat* chang*" OR "global warm*" OR "climat* warm*" OR "global chang*" OR "greenhouse effect*" OR "greenhouse gas*")

Edit Save Set alert

Search within results...

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Author name

Subject area

Publication stage

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Keyword

☐ Switzerland (174) >

☐ Climate Change (160) >

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Analyze search results

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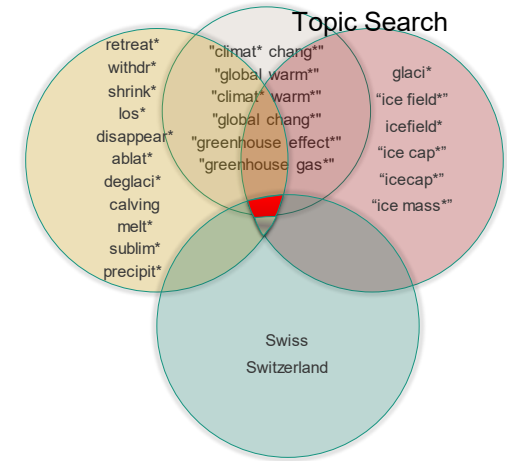
	Document title	Authors	Year	Source	Cited by
<input type="checkbox"/> 1	The Alps with little ice: Evidence for eight holocene phases of reduced glacier extent in the Central Swiss Alps	Hormes, A., Mülller, B.U., Schlüchter, C.	2001	Holocene 11(3), pp. 255-265	189
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<input type="checkbox"/> 2	Quantification of biotic responses to rapid climatic changes around the Younger Dryas - A synthesis	Ammann, B., Birks, H.J.B., Brooks, S.J., (...), Tobolski, K., Wick, L.	2000	Palaeogeography, Palaeoclimatology, Palaeoecology 159(3-4), pp. 313-347	187
	View abstract  View at Publisher Related documents				
<input type="checkbox"/> 3	Assessment of climate-change impacts on alpine discharge regimes with climate model uncertainty	Horton, P., Schaeffli, B., Mezghani, A., Hingray, B., Musy, A.	2006	Hydrological Processes 20(10), pp. 2091-2109	175



... there are of course some missing that genuinely have Switzerland in the abstract

... not so much difference..., so you might consider screening the total 262 hits manually for relevance

Search in Scopus: www.scopus.com



Search within results...

Q

Refine results

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Year

Author name

Subject area

Publication stage

Document type

☐ Article (216) >
 ☐ Conference Paper (17) >
 ☐ Review (13) >
 ☐ Book Chapter (11) >
 ☐ Short Survey (2) >
 ☐ Data Paper (1) >
 ☐ Editorial (1) >
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<input type="checkbox"/> 1	The Alps with little ice: Evidence for eight holocene phases of reduced glacier extent in the Central Swiss Alps	Hormes, A., Müller, B.U., Schlüchter, C.	2001	Holocene 11(3), pp. 1-10	187
<div>View abstract</div> <div>Get it Lib4RI</div> <div>View at Publisher</div> <div>Related documents</div>					
<input type="checkbox"/> 2	Quantification of biotic responses to rapid climatic changes around the Younger Dryas - A synthesis	Ammann, B., Birks, H.J.B., Brooks, S.J., (...), Tobolski, K., Wick, L.	2000	Palaeogeography, Palaeoclimatology, Palaeoecology 159(3-4), pp. 313-347	187
<div>View abstract</div> <div>Get it Lib4RI</div> <div>View at Publisher</div> <div>Related documents</div>					
<input type="checkbox"/> 3	Assessment of climate-change impacts on alpine discharge regimes with climate model uncertainty	Horton, P., Schaeffli, B., Mezghani, A., Hingray, B., Musy, A.	2006	Hydrological Processes 20(10), pp. 2091-2109	175
<div>View abstract</div> <div>Get it Lib4RI</div> <div>View at Publisher</div> <div>Related documents</div>					
<input type="checkbox"/> 4	Modeling glacier thickness distribution and bed topography over entire mountain ranges with glaciology	Linsbauer, A., Paul, F., Haeblerli, W.	2012	Journal of Geophysical Research: Earth Surface 117(2), 5020-5037	171

... sort

... refine / filter

... Export to reference management software



29

Search in Scopus

www.scopus.com

... provided you have a (free) account with Scopus you can save your search or create an alert

Set search alert

(TITLE-ABS-KEY (retreat* OR withdr* OR shrink* OR ...
[Show more](#)

Name of alert *

glacial retreat

Email address *

info@lib4ri.ch

Separate email addresses with a semicolon, comma, or space

Frequency

Every week

on

Thursday

Every day

Every week


Every month

Cancel

Set search alert


Search History Saved Searches

Combine queries ↗



☐ 6  (TITLE-ABS-KEY (retreat* OR withdr* OR shrink* OR los* OR disappear* OR ablat* OR deglaci* OR calving OR melt* OR sublim* OR precipit*)) AND (TITLE-ABS-KEY (glaci* OR "ice field*" OR icefield* OR "ice cap*" OR icecap* OR "ice mass*")) AND (TITLE-ABS-KEY (switzerland OR swiss)) AND (TITLE-ABS-KEY ("climat* chang*" OR "global warm*" OR "climat* warm*" OR "global chang*" OR "greenhouse effect*" OR "greenhouse gas*"))
[Show less](#)


262 results

 Set Alert
  More

☐ 5  TITLE-ABS-KEY ("climat* chang*" OR "global warm*" OR "climat* warm*" OR "global chang*" OR "greenhouse effect*" OR "greenhouse gas*")

558,436 results

 Set Alert
  More

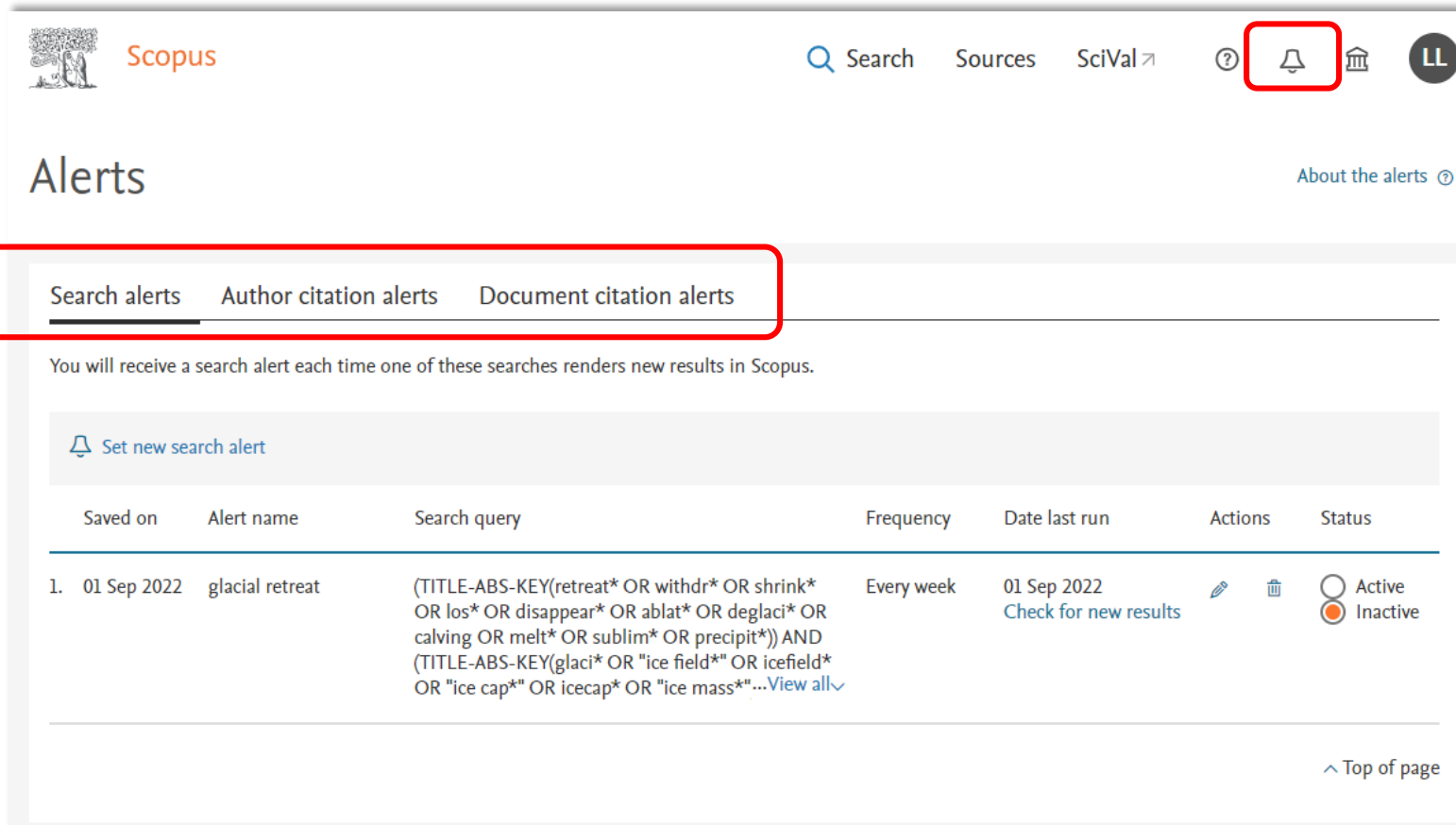
 Save this search

 Delete

Search in Scopus

www.scopus.com

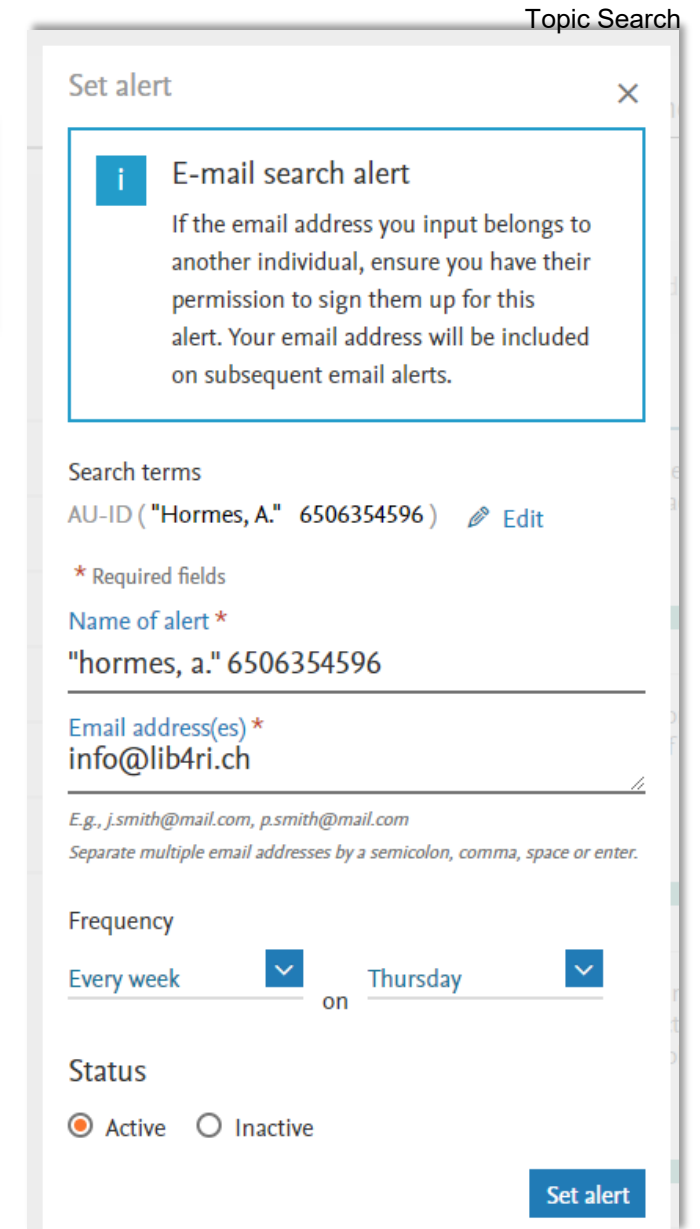
...this could also be a citation alert for an author or a paper



The screenshot shows the Scopus Alerts page. At the top, there is a navigation bar with 'Search', 'Sources', 'SciVal', and a bell icon (alerts) which is highlighted with a red box. Below the navigation bar, the 'Alerts' section is visible. A red box highlights the 'Search alerts' tab, which is selected. Below the tabs, there is a message: 'You will receive a search alert each time one of these searches renders new results in Scopus.' Below this message, there is a 'Set new search alert' button. Below the button, there is a table with the following columns: 'Saved on', 'Alert name', 'Search query', 'Frequency', 'Date last run', 'Actions', and 'Status'.

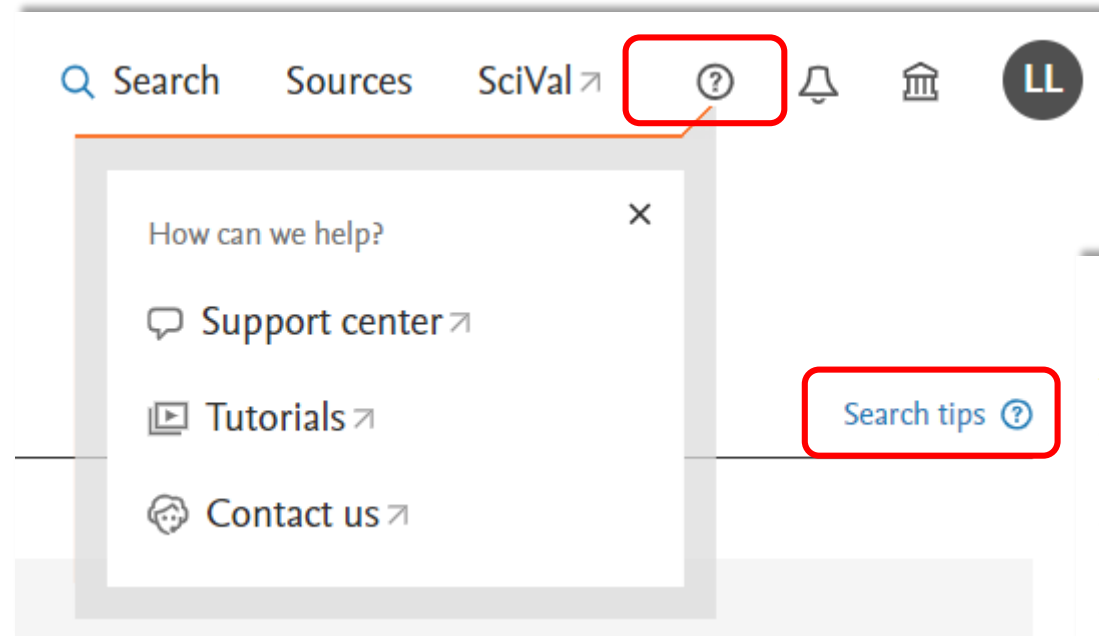
Saved on	Alert name	Search query	Frequency	Date last run	Actions	Status
1. 01 Sep 2022	glacial retreat	(TITLE-ABS-KEY(retreat* OR withdr* OR shrink* OR los* OR disappear* OR ablat* OR deglaci* OR calving OR melt* OR sublim* OR precipit*)) AND (TITLE-ABS-KEY(glaci* OR "ice field*" OR icefield* OR "ice cap*" OR icecap* OR "ice mass*"... View all)	Every week	01 Sep 2022 Check for new results	Edit Delete	<input checked="" type="radio"/> Active <input type="radio"/> Inactive

At the bottom right of the table, there is a link to 'Top of page'.



The screenshot shows the 'Set alert' dialog box. It has a title bar with a close button. Below the title bar, there is an information icon and the text 'E-mail search alert'. Below this, there is a paragraph: 'If the email address you input belongs to another individual, ensure you have their permission to sign them up for this alert. Your email address will be included on subsequent email alerts.' Below the paragraph, there is a 'Search terms' section with the text 'AU-ID ("Hormes, A." 6506354596)' and an 'Edit' button. Below the search terms, there is a 'Name of alert' section with the text '"hormes, a." 6506354596'. Below the name of alert, there is an 'Email address(es)' section with the text 'info@lib4ri.ch'. Below the email address, there is a note: 'E.g., j.smith@mail.com, p.smith@mail.com' and 'Separate multiple email addresses by a semicolon, comma, space or enter.' Below the email address, there is a 'Frequency' section with a dropdown menu set to 'Every week' and a dropdown menu set to 'Thursday'. Below the frequency, there is a 'Status' section with radio buttons for 'Active' (selected) and 'Inactive'. At the bottom right, there is a 'Set alert' button.

Search in Scopus: www.scopus.com



...online help via the menu ? or the search tips ?



Also see “Scopus Blog – Tips & Tricks”: <https://blog.scopus.com/tips-and-tricks>

Search in Web of Science (Core Collection)

www.webofscience.com

The screenshot shows the Web of Science search interface. At the top, there's a header with 'Web of Science' and a search bar. Below the header, there are two tabs: 'DOCUMENTS' and 'RESEARCHERS'. The 'DOCUMENTS' tab is active. In the search bar, the text 'Search in: Web of Science Core Collection ^ Editions: All v' is displayed. A dropdown menu is open, showing a list of databases. The 'Web of Science Core Collection' is highlighted in purple. Other databases listed include BIOSIS Citation Index, BIOSIS Previews, Current Contents Connect, CABI: CAB Abstracts®, Data Citation Index, Derwent Innovations Index, Inspec®, and KCI-Korean Journal Database. To the right of the dropdown, there's a section titled 'Web of Science Core Collection (1900-present)' with a description and a list of features. The features include: All cited references for all publications are fully indexed and searchable; Search across all authors and all author affiliations; Track citation activity with Citation Alerts; See citation activity and trends graphically with Citation Report; and Use Analyze Results to identify trends and publication patterns. At the bottom right of this section, it says 'Data updated 2022-08-29'.

Web of Science™ Search

Sign In Register

DOCUMENTS RESEARCHERS

Search in: **Web of Science Core Collection** ^ Editions: All v

All Databases

Web of Science Core Collection

BIOSIS Citation Index

BIOSIS Previews

Current Contents Connect

CABI: CAB Abstracts®

Data Citation Index

Derwent Innovations Index

Inspec®

KCI-Korean Journal Database

Web of Science Core Collection (1900-present)

Search the world's leading scholarly journals, books, and proceedings in the sciences, social sciences, and arts and humanities and navigate the full citation network.

- All cited references for all publications are fully indexed and searchable.
- Search across all authors and all author affiliations.
- Track citation activity with Citation Alerts.
- See citation activity and trends graphically with Citation Report.
- Use Analyze Results to identify trends and publication patterns.

Data updated 2022-08-29

... WoS comprises a few databases; the equivalent to Scopus is the “WoS Core Collection”

Search in Web of Science (Core Collection): www.webofscience.com

DOCUMENTS
RESEARCHERS

Search in: Web of Science Core Collection ▾ Editions: All ▾

DOCUMENTS
CITED REFERENCES
STRUCTURE

Topic ▾

Example: oil spill* mediterranean
retreat* OR withdr* OR shrink* OR los* OR disappear* OR ablat* OI ✕

⊖ And ▾ Topic ▾

Example: oil spill* mediterranean
glaci* OR "ice field*" OR icefield* OR "ice cap*" OR "icecap*" OR "i

⊖ And ▾ Topic ▾

Example: oil spill* mediterranean
Swiss OR Switzerland ✕

⊖ And ▾ Topic ▾

Example: oil spill* mediterranean
"climat* chang*" OR "global warm*" OR "climat* warm*" OR "glob

+ Add row
+ Add date range
Advanced Search

✕ Clear
Search

... Topic searches can be performed in a analogous way. "Topic" includes the same fields "Title", "Abstract" and "Keywords"

Search in Web of Science (Core Collection)

www.webofscience.com

369 results from Web of Science Core Collection for:

retreat* OR withdr* OR shrink* OR los* OR disappear* OR ablat* OR deglaci* OR calving OR ...

Analyze Results Citation Report **Create Alert**

Copy query link

Publications You may also like...

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Search within results...

Filter by Marked List

Quick Filters

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- ☐ Review Article 12
- ☐ Early Access 3
- ☐ Open Access 208
- ☐ Associated Data 13
- ☐ Enriched Cited References 19

Authors

Publication Years

0/369 Add To Marked List **Export**

1 of 8

Sort by: Citations: highest first

- Relevance
- Recently added
- New** Citation class
- Date: newest first
- Date: oldest first
- Citations: highest first**
- Citations: lowest first
- Usage (all time): most first
- Usage (last 180 days): most first
- Conference title: A to Z
- Conference title: Z to A
- First author name: A to Z
- First author name: Z to A
- Publication title: A to Z
- Publication title: Z to A

1 21st century climate change in the European Alps
Gobiet, A; Kotlarski, S; (...); Stoffel, M
Sep 15 2014 | SCIENCE OF THE TOTAL ENVIRONMENT 493, pp. 1-10
Reliable estimates of future climate change in the Alps are essential for assessing the risks to the European society. At the same time, the complex Alpine environment poses considerable challenges to climate models, which translates into a need for improved climate change assessments. This paper presents a comprehensive assessment of future climate change in the Alps based on a combination of climate model results and observational data. The results show that the Alps will experience a significant warming and a decrease in snow cover, which will have major implications for the European society. At the same time, the complex Alpine environment poses considerable challenges to climate models, which translates into a need for improved climate change assessments. This paper presents a comprehensive assessment of future climate change in the Alps based on a combination of climate model results and observational data.

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2 Glacier and lake-level variations in west-central Europe over the last 3500 years
Holzhauser, H; Magny, M and Zumbuhl, HJ
Nov 2005 | HOLOCENE 15 (6), pp.789-801
On the basis of glacier and lake-level records, this paper addresses the question of whether, at the same time, a comparison between high-resolution palaeohydrological and palaeoglaciological data in west-central Europe over the last 3500 years. Show more

... Most refine/filter and sort options are also available

... Export to reference management software as well

... Saves and alerts can be set, too

[< BACK TO BASIC SEARCHES](#)

Advanced Search Query Builder

DOCUMENTS

RESEARCHERS

Search in: **Web of Science Core Collection** ▾ Editions: **All** ▾

Add terms to the query preview

All Fields ▾

Example: liver disease india singh

And ▾

Add to query

More options ▲

Query Preview

(TS=(retreat* OR withdr* OR shrink* OR los* OR disappear* OR ablat* OR deglaci* OR calving OR melt* OR sublim* OR precipit*)) AND (TS=(glaci* OR "ice field*" OR icefield* OR "ice cap*" OR icecap* OR "ice mass*")) AND (TS=(switzerland OR swiss)) AND (TS=("climat* chang*" OR "global warm*" OR "climat* warm*" OR "greenhouse effect*" OR "greenhouse gas*"))

+ Add date range

✕ Clear

Search ▾

[Search Help](#)Booleans : AND, OR, NOT [Examples](#)

Field Tags :

- TS=Topic
- TI=Title
- AB=Abstract
- AU=[Author]
- AI=Author Identifiers
- AK=Author Keywords
- GP=[Group Author]
- ED=Editor
- KP=Keyword Plus[®]
- SO=[Publication Titles]
- DO=DOI
- PY=Year Published
- CF=Conference
- AD=Address
- OG=[Affiliation]
- OO=Organization
- SG=Suborganization
- SA=Street Address
- CI=City
- PS=Province/State
- CU=Country/Region
- ZP=Zip/Postal Code
- FO=Funding Agency
- FG=Grant Number
- FD=Funding Details
- FT=Funding Text
- SU=Research Area
- WC=Web of Science Categories [\[2\]](#)
- IS= ISSN/ISBN
- UT=Accession Number
- PMID=PubMed ID
- DOP=Publication Date
- PUBL=Publisher
- ALL=All Fields
- FPY=Final publication year

🕒 Session Queries

Build a new query based on your searches in this session.

0/4

Combine Sets ▾

Export ▾

🗑 Clear History

4

(TS=(retreat* OR withdr* OR shrink* OR los* OR disappear* OR ablat* OR deglaci* OR calving OR melt* OR sublim* OR precipit*)) AND (TS=(glaci* OR "ice field*" OR icefield* OR "ice cap*" OR icecap* OR "ice mass*")) AND (TS=(switzerland OR swiss)) AND (TS=("climat* chang*" OR "global warm*" OR "climat* warm*" OR "global chang*" OR "greenhouse effect*" OR "greenhouse gas*"))

369

Add to query ▾

[🔗](#)[✎](#)[🔔](#)

... WoS also has an advanced search builder

... and a search history

Halving of Swiss glacier volume since 1931 observed from terrestrial image photogrammetry

By: Mannerfelt, ES (Mannerfelt, Erik Schytt) ^{[1], [2]}; Dehecq, A (Dehecq, Amaury) ^{[1], [2], [3]}; Hugonnet, R (Hugonnet, Romain) ^{[1], [2], [4]}; Hodel, E (Hodel, Elias) ^{[1], [2]}; Huss, M (Huss, Matthias) ^{[1], [2], [5]}; Bauder, A (Bauder, Andreas) ^{[1], [2]}; Farinotti, D (Farinotti, Daniel) ^{[1], [2]}

[View Web of Science ResearcherID and ORCID](#) (provided by Clarivate)

CRYOSPHERE

Volume: 16 Issue: 8 Page: 3249-3268

DOI: 10.5194/tc-16-3249-2022

Published: AUG 22 2022

Indexed: 2022-08-29

Document Type: Article

Abstract

The monitoring of glaciers in Switzerland has a long tradition, yet glacier changes during the 20th century are only known through sparse observations. Here, we estimate a halving of Swiss glacier volumes between 1931 and 2016 by mapping historical glacier elevation changes at high resolution. Our analysis relies on a terrestrial image archive known as TerrA, which covers about 86 % of the Swiss glacierised area with 21 703 images acquired during the period 1916-1947 (with a median date of 1931). We developed a semi-automated workflow to generate digital elevation models (DEMs) from these images, resulting in a 45 % total glacier coverage. Using the geodetic method, we estimate a Swisswide glacier mass balance of -0.52 ± 0.09 m w.e. a⁻¹ between 1931 and 2016. This equates to a 51.5 ± 8.0 % loss in glacier volume. We find that low-elevation, high-debriscover, and gently sloping glacier termini are conducive to particularly high mass losses. In addition to these glacier-specific, quasi-centennial elevation changes, we present a new inventory of glacier outlines with known timestamps and complete attributes from around 1931. The fragmented spatial coverage and temporal heterogeneity of the TerrA archive are the largest sources of uncertainty in our glacier-specific estimates, reaching up to 0.50 m w.e. a⁻¹. We suggest that the high-resolution mapping of historical surface elevations could also unlock great potential for research fields other than glaciology.

Keywords

Keywords Plus: SEA-LEVEL RISE; MULTITEMPORAL AERIAL IMAGES; MASS-BALANCE; SWEDEN 1959-99; ALPS; STORGLACIAREN; SENSITIVITY; REANALYSIS; ELEVATION; AREA

Author Information

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Corresponding Address: Mannerfelt, Erik Schytt; Dehecq, Amaury (corresponding author)

▼ Swiss Fed Inst Forest Snow & Landscape Res WSL, Birmensdorf, Switzerland

Corresponding Address: Dehecq, Amaury (corresponding author)

▼ Univ Grenoble Alpes, IRD, CNRS, Grenoble INP,IGE, F-38000 Grenoble, France

... unfortunately, due to the introduction of the 4th concept (“climate change”) a very recent relevant publication “got lost” as none of the synonyms has been mentioned in the topic fields (just in the full text).

... so, “working” towards one’s personal threshold using additional constraints (e.g. 300 vs 1000 hits) can come at a cost.

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www.webofscience.com

Web of Science Core Collection

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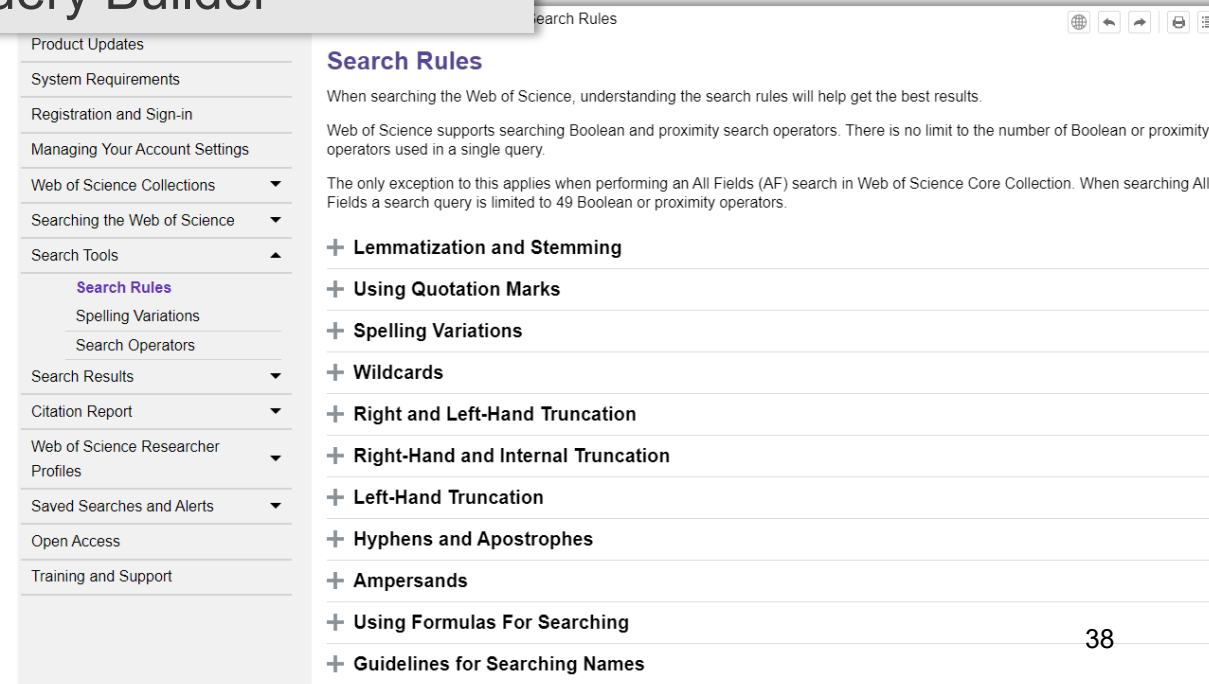
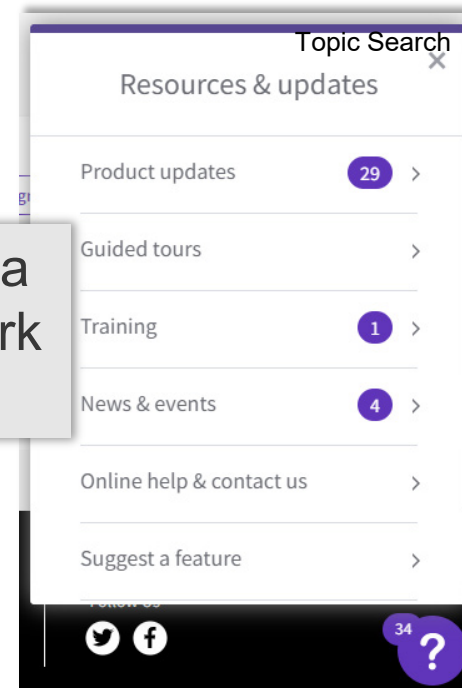
... WoS Training Material

<https://clarivate.libguides.com>

> WoS Core Collection

... Online help via the question mark in WoS

... Or via "Search Help" in the Advanced Search Query Builder



Web of Science vs Scopus

	Web of Science	Scopus
Subject areas	multidisciplinary	multidisciplinary
Contents – Journals	>21,900 journals (>5,000 gold OA, via WoS Core Collection)	>25,800 journals (>5,300 gold OA)
Contents – Books	>126,000 books (via WoS Core Collection)	>249,000 non-serial books, >63,300 book series titles
Contents – Conferences	>226,000 conferences (via WoS Core Collection) >70.1 M cited conference papers	>140,000 conferences, >10.9 M conference papers
Contents – Patents	>99 M patents (via Derwent Innovation Index)	>47.4 M patent links
Volume of data	>82 M records (WoS Core Collection)	>84 M records
Cited References	> 1.8 B (from 1900)	>1.8 B (from 1970)
Updates	weekly	daily
Period covered	from 1900	from 1788
Coverage	global	global
Identification of authors and institutions	ResearcherID (authors must register) > 3 M profiles (Publons)	author ID (assigned automatically), affiliation identifier, >17.6 M profiles
Functions	alert service related records (based on shared references)	alert service related records (based on either shared references, authors or keywords)
Literature management	EndNote, BibTeX, others	Mendeley, BibTeX, RIS (Endnote)
Special features	Optional (licensed) access to: Research evaluation tools "Journal Citation Reports" & "Essential Science Indicators" and databases such as BIOSIS, Inspec, MEDLINE.	"Articles-in-Press" from more than 5,000 journals Medline data included. UTF-8 encoding, to display umlauts and special characters.

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ADVANCED SEARCH

Search Criteria ^

Search for: ☐ Lib4RI ☒ swisscovery ☐ swisscovery without CDI ☐ Central Discovery Index (CDI)

Search filters

Anywhere ▾ contains ▾ retreat* OR withdr* OR shrink* OR los* OR dis:

AND ▾ Anywhere ▾ contains ▾ glaci* OR "ice field*" OR icefield* O

AND ▾ Anywhere ▾ contains ▾ swiss OR switzerland

+ Add a new line

Clear

Resource type

Books ▾

Language

Any language ▾

Start Date:

Day ▾ Month ▾ Start Year

End Date:

Day ▾ Month ▾ End Year

... Search profile:
swisscovery
...Resource type:
Books

→ Anywhere contains

retreat* OR withdr* OR shrink* OR los* OR disappear* OR ablat* OR deglaci* OR c...

AND Anywhere contains

glaci* OR "ice field*" OR icefield* OR "ice cap*" OR "icecap*" OR "ice mass"

AND Anywhere contains swiss OR switzerland

Search

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Tweak your results

☐ Include publications without full-text

☒ Search in full-text

Sort by Relevance ▾

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(Dübendorf)

LIB4RI PSI (Villigen) (4)

LIB4RI WSL (10)
(Birmensdorf)

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Uni Kunstgeschichte


Basel - Pädagogisches (4)
Zentrum PZ.BS

Basel - UB (8)
Hauptbibliothek

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1



BOOK
Climate Driven Retreat of Mount Baker Glaciers and Changing Water Resources
Pelto, Mauri
Cham: Springer International Publishing AG
2015
“ ... This natural tempering of drought conditions will be reduced as they retreat. Mount Baker, a volcano in the Cascades of Washington, is currently host to 12 principal glaciers with an area of 36.8 km2... ”
[Available Online](#) >


✉

🔗

📌

⋮


2



MULTIPLE VERSIONS
World heritage in Switzerland
Iten, Ernst 1945- (author); Viviani, Madeleine (editor); Schweiz Nationale Schweizerische UNESCO-Kommission (issuing body)

📄 13 versions found. [See all versions](#) >

3



BOOK
Arctic Ice Shelves and Ice Islands
Copland, Luke ; Mueller, Derek
Dordrecht: Springer Netherlands
2017

✉

🔗

📌

⋮

... Filters

... export (rather limited)

... swisscovery account recomm.

Evaluation of the results

Too few results

- Search for possible sources of error (Typing errors, wildcards, quotes...)
- View the relevant hits → restart the search with other synonyms
- Widen the subject, lessen the number of concepts
- Verify the search instruments

Too many results

- Narrow the search by: number of citations, publication year, reviews
- Narrow the subject, increase the number of concepts (cautiously)
- Exclude non relevant hits (NOT, Filter)
- Verify the search instruments


Other bibliometric Databases

- Web of Science (some special, some multidisciplinary)
- Central Discovery Index (multidisciplinary)
- Cabi (Biology, Medicine, Food Science)
- Pubmed (Biology, Medicine)
- Scifinder-n (Chemistry)
- Google Scholar

A few words to Google Scholar

×

Advanced search



Find articles

with **all** of the words

with the **exact phrase**

with **at least one** of the words

without the words

where my words occur

Return articles **authored by**

Return articles **published in**

Return articles **dated** between

glacial retreat switzerland

☒ anywhere in the article
☐ in the title of the article

e.g., "PJ Hayes" or McCarthy

e.g., J Biol Chem or Nature

—

e.g., 1996

Operators (list not comprehensive)

+, AND: AND operator (space works as well)

“ ” : phrase search (“climate change”)

!, OR : OR operator

-

intext: text search (intext:glaciers)

intitle: title search (intitle:glaciers)

allintitle: title search (allintitle:glaciers retreat swiss)

author: author search (glaciers author:Hormes)

source: Quelle ("glacial retreat" source:education)

***** replaces a whole word ("swiss * retreat")

AROUND(#) : proximity (swiss AROUND(5) glaciers)

() : brackets don't exist; i.e. Boolean combinations are rather limited

A few words to Google Scholar

Pros

- Easy, quick and free
- Automatic word-stemming, lemmatisation, synonyms
- Finds articles, theses, books, abstracts from academic publishers, professional societies, online repositories, universities and other web sites
- Source for “grey” literature, e.g. governmental and institutional reports

Cons

- Typically many hits (even from within full texts)
- Few filters, poor export facilities (even when logged into Google)
- Reproducible systematic topic searches are virtually impossible due to
 - Synonyms, word-stemming, lemmatisation are a black box
 - restricted use of Booleans (no brackets)
 - bubble Effect (search results may depend on user/IP address)

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... more to come ...

Thank you!

Stephanie Hofmann, Bobby Neuhold

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