



## STN Coffee Lecture

# Working with Saved Answer Sets, Queries and Lists on STNNext

# SAVE Online Results for Future Use

When to use the **SAVE** command

- Please note whenever **ending an online session with LOG Y (LOGOFF Y), all search queries and answers sets are deleted**
- Therefore, use the **SAVE** command to store assets from your current online session in your long-term storage for use in future sessions
- **Aliases: Store**

# SAVE Online Results for Future Use

Which information can be stored using the **SAVE** command

- The SAVE command is used to store:
  - **Answer sets** for later usage of the former answers. Query information and number of former answers as well as all original answers will be retained.
  - **Search queries** for later usage of the query in frequently occurring search topics
  - **L-number lists** to avoid reconstructing complex search strategies
- Items may be saved in both **single** and **multi-file environments**

# Saving Answer Sets for Future Use

How to **SAVE** a single file answer set

=> **FIL WPIINDEX**

=> **S (GENETICAL? MODIFIED OR TRANSGENIC?) (3A) (CROP# OR PLANT#) --> L1**

=> **S (BIOFUEL# OR BIOETHANOL?) (5A) (PRODUC? OR PROCESS? OR MANUFACTUR? OR PREPAR?) --> L2**

=> **S L1 AND L2**

L3            260 L1 AND L2

=> **SAVE**

**Tip:** If you are not familiar yet with the naming conventions for saving items in STNext, type only **SAVE** at the arrow prompt. The system will then prompt you for the additional information required to complete the process.



# Saving Answer Sets for Future Use

How to SAVE a single file answer set

```
=> S L1 AND L2
```

```
L3          260 L1 AND L2
```

```
=> SAVE
```

```
ENTER L#, L# RANGE, ALL, OR (END): L3
```

```
ENTER NAME OR (END): ?
```

Enter the name you wish to use for the saved query, answer set, or L# list.

The name must:

1. Begin with a letter,
2. Have 1-12 characters,
3. Contain only letters (A-Z) and numbers (0-9),
4. End with /Q for a query (search profile, structure, or screen set), /A for an answer set, or /L for an L# list.
5. Not already be in use as a saved name,
6. Not be: END, SAV, SAVE, SAVED, or an L#.

```
ENTER NAME OR (END): BIOFUEL/A
```

```
ANSWER SET L3 HAS BEEN SAVED AS 'BIOFUEL/A'
```

After entering the SAVE command the system will ask you to specify the L number of the answer set to be stored, a name for the file you are saving followed by a letter code that designates whether the item is saved as a query (/Q), answer set (/A), or list (/L).

Please note that the file name must have 1-12 characters and contains only letters (A-Z) and numbers (0-9). Moreover, answer sets can only be saved in the database they were created in.

# Saving Answer Sets for Future Use

How to **SAVE** a single file answer set

=> **S L1 AND L2**

L3                    260 L1 AND L2

=> **SAVE L3 BIOFUEL/A**

Alternatively, when you are familiar with the naming conventions used for saving, you can also enter the information as one complete command.

=> **SAVE TEMP L3 BIOFUEL/A**

Please note saved answer sets are assessed a low monthly storage fee and the maximum of different answer sets stored simultaneously is 500 with up to 1,600,000 answers permanently saved in your long-term storage.

If it is not required to save items permanently, you can also perform a temporary save. **SAVE TEMP** saves online results for up to seven days without incurring any charges.

# Saving Answer Sets for Future Use

How to **SAVE** a multi-file answer set

```
=> FIL HCAPLUS

=> S L3 AND PATENT/DT

L4          214 S L3 AND PATENT/DT

=> TRANSFER L3 1- PNK

L5          TRANSFER L3 1- PNK :    2100 TERMS
L6          313 L5

=> S L4 NOT L6

L7          62 L4 NOT L6

=> DUP IDE L3 L7

L8          322 DUP IDE L3 L7 (INCLUDES 0 SETS OF DUPLICATED
           ANSWERS ' 1-260' FROM FILE WPINDEX
           ANSWERS ' 261-322' FROM FILE HCAPLUS

=> SAVE L8 BIOFUELWPICA/A
```

L3 WPINDEX answer set

Use the **TRANSFER** command to mirror those references already retrieved in WPINDEX for subsequent duplicate processing. !

To save a multi-file answer set the deduplicated results from WPINDEX and HCAPLUS have to be merged into a single L number with **DUP IDE**. !

# Saving Answer Sets for Future Use

Use **SAVE TITLE** to help identify your saved item

```
=> DUP IDE L3 L7
```

```
L8          322 DUP IDE L3 L7 (INCLUDES 0 SETS OF DUPLICATES)
            ANSWERS ' 1-260' FROM FILE WPINDEX
            ANSWERS ' 261-322' FROM FILE HCAPLUS
```

```
=> SAVE BIOFUELWPI CA/A
```

```
=> SAVE TITLE L8 BIOFUELWPI CA/A
```

```
ENTER TITLE (NONE): BIOFUELS FROM TRANSGENIC PLANTS MFILE
```

```
ANSWER SET L8 HAS BEEN SAVED AS 'BIOFUELWPI CA/A'
```

Naming conventions for saved items might be quite limiting making it sometime very difficult to identify the correct answer set (or any other saved asset) from a large list to be activated again.

When using the **SAVE TITLE** command you are additionally prompted to enter a title for the file to be saved which can be used to describe the saved item more precisely (maximum 40 characters).



# Working with Saved Answer Sets

Viewing saved items on your login ID

=> **D SAVED**

NAME	CREATED	NOTES/TITLE
-----	-----	-----
BI OFUEL/A	25 AUG 2021	260 ANSWERS IN FILE WPINDEX
BI OFUELPAT/Q	27 AUG 2021	QUERY CREATED IN FILE HCAPLUS
BI OFUELWPI CA/A	25 AUG 2021	322 ANSWERS DUPLICATE IDENTIFY (INCLUDES 0 SETS OF DUPLICATES)
		260 ANSWERS IN FILE WPINDEX
		62 ANSWERS IN FILE HCAPLUS
		BIOFUELS FROM TRANSGENIC PLANTS MFILE
BI OPRINTER/A	TEMP	4870 ANSWERS IN FILE HCAPLUS
GLYPHOSMFILE/L	27 AUG 2021	19 L-NUMBERS GLYPHOSATE MFILE NPL ONLY

To see a list of all saved answer sets, lists, and queries on your account, enter **DISPLAY SAVED (D SAVED)** at the arrow prompt.

The alphabetical list includes the name, the date it was created, and any title assigned while saving. If the item is an answer set, the file in which it was created is displayed. If the item was saved temporarily, the word TEMP displays with the name in the list.

=> **D SAVED/A**

NAME	CREATED	NOTES/TITLE
-----	-----	-----
BI OFUEL/A	25 AUG 2021	260 ANSWERS IN FILE WPINDEX
...		

To only see the answer sets you have saved in your account, enter **D SAVED/A** (a similar approach works also for queries and lists).

# Working with Saved Answer Sets

Activate a saved answer set when needed

To bring a copy of a saved answer set from long-term storage into the current online session, use the **ACTIVATE** command. Please bear in mind that an answer set can only be activated in the database the answer set was originally created in.

```
=> FIL WPINDEX
```

```
=> ACT BIOFUEL/A
```

```
L1 ( 27189) SEA FILE=WPINDEX SPE=ON ABB=ON PLU=ON (GENETICALLY MODIFIED)
L2 ( 5194) SEA FILE=WPINDEX SPE=ON ABB=ON PLU=ON (BIOFUEL#)
L3 260 SEA FILE=WPINDEX SPE=ON ABB=ON PLU=ON L1 AND L2
```

STNext will assign a new L number to the answer set. This L number can be used to refine the results, re-run the search or simply to display the answer set.

```
=> D TI L3 1-3
```

```
L3 ANSWER 1 OF 260 WPINDEX COPYRIGHT 2021 CLARIVATE ANALYTICS on STN
TI New transgenic plant, reproductive or propagating material or cultured
plant cell comprising a copy of specified nucleotide sequence, used to
produce feed, food e.g. oil, semolina and grain, and industrial product
e.g. biofuel and fiber
```

Please note, if you conduct a search to refine the results, STNext does not search over the entire database to retrieve additional information. Instead it locates answers in the saved/activated answer set that match the additional requirements.

```
=> S L3 AND (CORN OR MAIZE OR ZEA MAYS)
```

```
L4 114 L3 AND (CORN/BI, BIEG OR MAIZE/BI, BIEG OR ZEA MAYS/BI)
```

# Working with Saved Answer Sets

Use activated answer sets for removing historic duplicates from an updated search

```
=> D SAVED/A
```

NAME	CREATED	NOTES/TITLE
LOXOCA/A	05 MAR 2020	65 ANSWERS IN FILE HCAPLUS

It is also possible to save answer sets created by a crossover search between CAS REGISTRY and CPlus.

```
=> ACT LOXOCA/A
```

```
L1          STR
L2 (      2340) SEA FILE=REGISTRY SSS FUL L1
L3 (      102) SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L2
L4          65 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L3 AND PATEN
```

As the original (structure) search query is saved along the retrieved answers, we can use those saved/activated answer sets also for **updating searches**, e.g., on an irregular intervals otherwise not possible with automatic alerts.

```
=> FIL REGISTRY
```

```
=> S L1 SSS FUL
```

```
L5          3576 SEA SSS FUL L1
```

**L5:** Updated structure search on 26 August 2021.

# Working with Saved Answer Sets

Use activated answer sets for removing historic duplicates from an updated search

```
=> FIL REGISTRY  
=> S L1 SSS FUL  
L5          3576 SEA SSS FUL L1
```

```
=> FIL HCAPLUS
```

```
=> S L5 AND P/DT
```

```
L6          128 L5 AND P/DT
```

```
=> SAVE L6 LOXOCA/A
```

```
=> S L6 NOT L4
```

```
L7          63 L6 NOT L4
```

**Save the new results** for the next run

Saved answer set LOXOCA/A was created on Mar 05, 2020.

The later search was run on Aug 26, 2021, and found 63 new records.

# Working with Saved Answer Sets

Delete data which is not needed anymore

=> **DEL BIOFUEL/A**

DELETE BIOFUEL/A? (Y) /N: Y

To remove single items from your long-term storage, enter **DELETE (DEL)** followed by the saved name, a diagonal slash (/), and the appropriate letter representing the type of saved item.

=> **DEL BIOFUEL?/A**

BIOFUEL01/A    BIOFUEL02/A    BIOFUEL03/A    BIOFUEL04/A

DELETE THESE ITEMS? (Y) /N: Y

The name may include a truncation (?) for left, right, or simultaneous left and right truncation to delete multiple saved items with a common file name stem.

=> **DEL SAVED/A (/Q or /L)**

DELETE ALL SAVED ANSWER SETS FOR THIS LOGINID? (Y) /N: Y

Delete all saved answer sets (queries or lists).

# Working with Saved Queries

Saving and activating queries for frequently occurring search topics

```
=> FIL HCPALUS
```

```
=> S (GENETICAL?(W) MODIFIED OR TRANSGENIC?) (3A) (CROP# OR PLANT#) --> L1
```

```
=> S (BIOFUEL# OR BIOETHANOL?) (5A) (PRODUC? OR PROCESS? OR MANUFACTUR? OR PREPAR?) --> L2
```

```
=> S L1 AND L2 --> L3
```

```
=> S L3 AND PATENT/DT
```

```
L4          214 L3 AND PATENT/DT
```

```
=> SAVE L4 BIOFUELPAT/Q
```

```
QUERY L4 HAS BEEN SAVED AS 'BIOFUELPAT/Q'
```

To save a query, enter **SAVE** followed by the L-number and the name with **/Q** appended at an arrow prompt. If the query saved is made up of several L-numbers, all L-numbers are saved. If the L-number specified is an answer set, only the query, not the answers, is saved when name/Q is assigned.

# Working with Saved Queries

Saving and activating queries for frequently occurring search topics

=> **FIL WPIINDEX**

=> **ACT BIOFUELPAT/Q**

```
L1      QUE  SPE=ON  ABB=ON  PLU=ON  (GENETICAL? MOD
        ANSGENIC?/BI, BI EX) (3A) (CROP#/BI, BI EX OR PL
L2      QUE  SPE=ON  ABB=ON  PLU=ON  (BIOFUEL#/BI, BI EX OR BIOETHANOL?/B
        I, BI EX) (5A) (PRODUC?/BI, BI EX OR PROCESS?/BI, BI EX OR MANUFACTUR
        ?/BI, BI EX OR PREPAR?/BI, BI EX)
L3      QUE  SPE=ON  ABB=ON  PLU=ON  L1 AND L2
L4      QUE  SPE=ON  ABB=ON  PLU=ON  L3 AND PATENT/DT
```

You may save and activate queries in any STN file. Be careful when using database specific features in your query for limiting searches (e.g. indexing terms, document types, etc.).

=> **S L4**

L5 261 L3 AND PATENT/DT

=> **S BIOFUELPAT/Q**

L6 261 BIOFUELPAT/Q

Alternatively directly use the saved query for searching.

# Working with Saved Queries

Saving and activating term lists for future use

=> **FIL WPINDEX**

L6                   ANALYZE L5 1- PACO :           344 TERMS

TERM #	# OCC	# DOC	% DOC	PACO
--------	-------	-------	-------	------

1	64	60	22.99	MONS-C
2	30	24	9.20	FARB-C
3	13	12	4.60	SYGN-C
4	10	10	3.83	BADI-C

=> **SAVE L6 BIOFUELCOMP/Q**

=> **FIL HCAPLUS**

=> **TRANSFER L5 1- PNK**

L7                   TRANSFER L5 1- PNK :           2103 TERMS

L8                   314 L7

=> **SAVE L7 BIOFUELPNWPI/Q**

You may also save extracted terms from TRANSFER or ANALYZE for future use.



# Working with Saved Lists

Saving and activating L number lists to avoid reconstructing complex search strategies

```
FILE 'REGISTRY' ENTERED AT 10:22:50 ON 27 AUG 2021
L1          3291 S 1071-83-6/RN, CRN

      FILE 'HCAPLUS' ENTERED AT 10:22:53 ON 27 AUG 2021
...
L9          847 S L7 NOT P/DT AND 20210501-20500101/UP

      FILE 'AGRICOLA, CABA, BIOSIS, EMBASE, ESBIODBASE, TOXCENTER, C
INSPEC' ENTERED AT 10:23:20 ON 27 AUG 2021
L10         469 FILE AGRICOLA
...
TOTAL FOR ALL FILES
L18         3213 S (L1 OR L2 OR L3 OR L4 OR L5 OR L6 OR 1071-83-6 OR 38641-94-0)

      FILE 'HCAPLUS, AGRICOLA, CABA, BIOSIS, EMBASE, ESBIODBASE, TOXCENTER,
COMPENDEX, INSPEC' ENTERED AT 10:23:33 ON 27 AUG 2021
L19         2824 DUP REM L9 L18 (1236 DUPLICATES REMOVED)

=> SAVE TITLE ALL GLYPHOSMFILE/L

ENTER TITLE (NONE): GLYPHOSATE MFILE NPL ONLY

L# LIST L1-L19 HAS BEEN SAVED AS 'GLYPHOSMFILE/L'
```

You can also save the entire current online session as an L number list by entering **SAVE (TITLE) ALL** followed by the name with **/L** appended at the arrow prompt. Saving L number lists saves the queries, databases searched and postings associated with the L numbers, not the answers though.

To bring a copy of a saved L-number list into the current online session use the **ACTIVATE** command again.

# Key takeaways

- The **SAVE** command can be used to store assets from your current online session either permanently or only temporarily for use in future sessions
  - => **SAVE NAME/A** will save an answer set
  - => **SAVE NAME/Q** will save a query
  - => **SAVE NAME/L** will save a list of L numbers
- If the query you are saving contains structures or extracted terms, those components will automatically be saved
- Use the **ACTIVATE** command to bring in a copy of your saved assets into the current online session

# Feedback, comments and questions to:

**CAS**

[help@cas.org](mailto:help@cas.org)  
[www.cas.org](http://www.cas.org)

**FIZ Karlsruhe**

[helpdesk@fiz-karlsruhe.de](mailto:helpdesk@fiz-karlsruhe.de)  
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