

The concept of the new STN platform

Jan Baur, ICIC 2013











Agenda

- System architecture
- Project-oriented workflow
- Command line searching with intuitive user interaction
- "No limits" search architecture and high performance



Rebuilding of the STN architecture is important to meet the current and future needs of STN users

- STN is revitalizing its platform to address changing technology and customer needs
 - Deliver new functionality and content requested by customers
 - Help users harness the growing volume of available information
 - Provide innovative information delivery workflows
- STN is focused on retaining what customers expect
 - Precision and comprehensiveness
 - Expert level control
 - Premium, value-added content
 - Excellent customer support



STN is being redesigned from the ground up to accomplish these goals





New STN is project oriented to provide workflow continuity

- Users real work is centered around projects
 - Queries, search results and history stored in a project
 - Searches are reusable and expandable
 - New project can be opened from existing query
- Housekeeping is done automatically
 - Project elements are saved on the fly and indefinitely,
 e.g. text or structure queries, current results, settings, etc.



https://www.stn.org/stn





Landing page gives project overview

Projects

All C containin test dwpi orientation ver test wb, chapt 1 (s), (p) numbers (u), (d) DCR 6+

DCR
DWPI: bibl searc

DWPI: bibl :

DWPI: subj sear DWPI: subj sear

Projects Name	1-25 of 44		page 1 of 2	
	Modified	Created	L# Count	Saved
Al Dehydrogen	10-SEP-2013	09-SEP-2013	2	0
All C containing	29-AUG-2013	29-AUG-2013	1	0
test dwpi	22-JUL-2013	22-JUL-2013	10	0
orientation ver	18-JUN-2013	18-JUN-2013	12	0
test	13-MAI-2013	13-MAI-2013	1	1
wb, chapt 1	12-MAI-2013	10-MAI-2013	9	3
(s), (p)	12-MAI-2013	23-APR-2013	18	0
numbers	12-MAI-2013	16-JAN-2013	42	2
(u), (d)	12-MAI-2013	11-JAN-2013	11	0
DCR 6+	09-JAN-2013	08-JAN-2013	46	0

Welcome to STN

developed in versions.

• search and retrieval
content, combining the
nical Abstracts content
erwent World Patents

ed for preliminary searches

rology research s basic novelty and prior art

unities

een completely redesigned y and increase efficiency. have been created to help ok and feel, and transition ew STN platform. Training

on demand, Help provides ntent details, and is f desired.

and recorded sessions are ing your skills to the new st with a one-hour session available oniccess to all new STN One.

eedback?

Submit an enhancement suggestion or provide feedback via Contact Us.

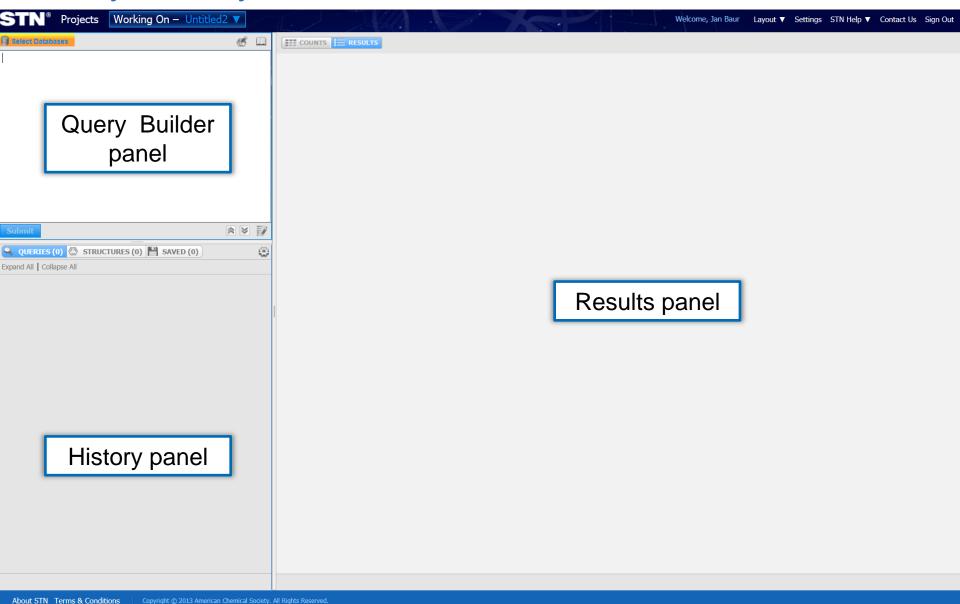


Combining the command line and GUI enhances the usability

- See 3 things at a time: query, results, history
- Information Professionals need to have a command line
 - New STN is first of all aimed at information professionals
 - Command line and retrieval language retained
 - Harmonization of retrieval language across databases
- Graphical user interface flattens the STN learning curve
 - But Shortcuts still need to be there for keyboarders
 - Filters allow for a quick analysis of results
 - Integrated HELP facilitates on-the-fly user support

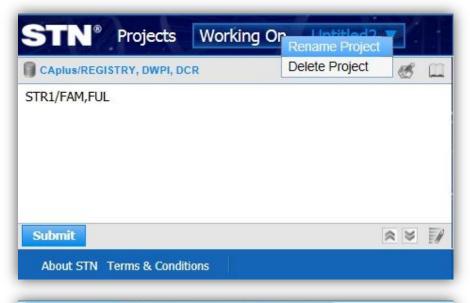


Query, history and results are visible at the same time





Query and History panel



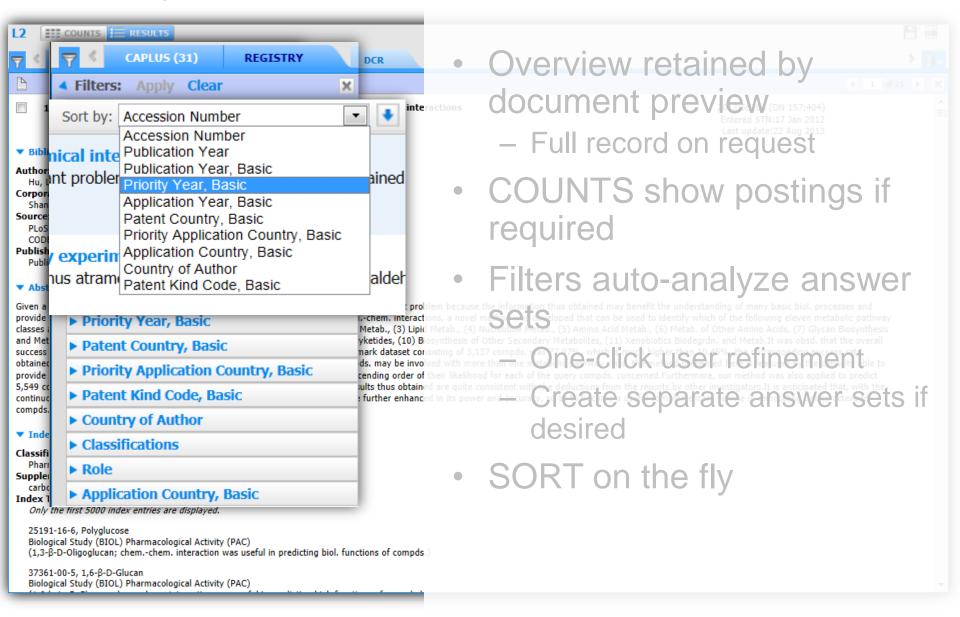
- Query builder panel
 - Enter query
 - Open databases
 - Open structure editor
 - Open term explorer



- History panel
 - Condensed search protocol
 - Tabs: queries, structures and saved answers

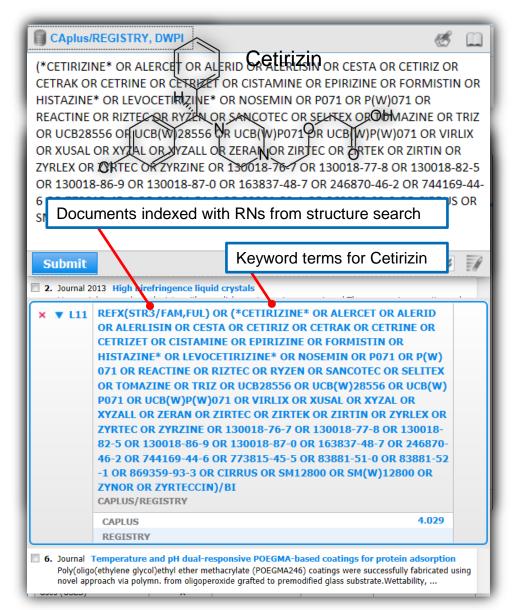


Results panel





System limits do not influence query building



- Powerful chemical structure searches
- Substructure highlighting available
- Truncation extended
- Line limits erased
- Combined structure and text queries



New approaches to search strategies due to lifted system limits

Example: Use of polymers with the given general structure in controlled-release of compounds exhibiting anti-inflammatory activity.

Substance classes

Structure search

Classification search

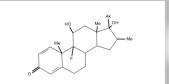
Controlled vocabulary



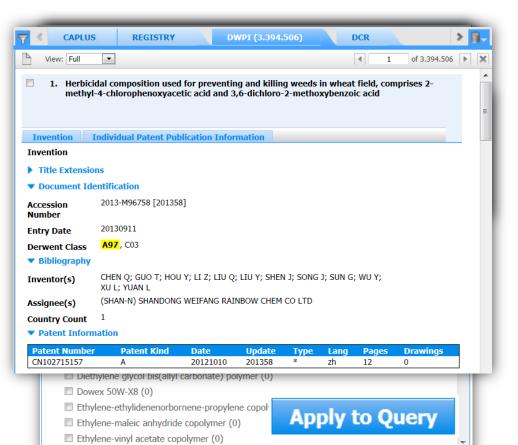
Substances can be searched with the help of CAPLUS and DWPI indexing

All polymers

Polymer class terms Derwent Classes



Controlled release drug delivery
+
Anti-inflammatory drugs

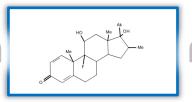


- Search for Polymers in REGISTRY
- Obtain bibliographic results in CAPLUS
 - Explore terms of the CT thesaurus
- Combine REGISTRY and CAPLUS hits
- Use DWPI coding to retrieve Polymers

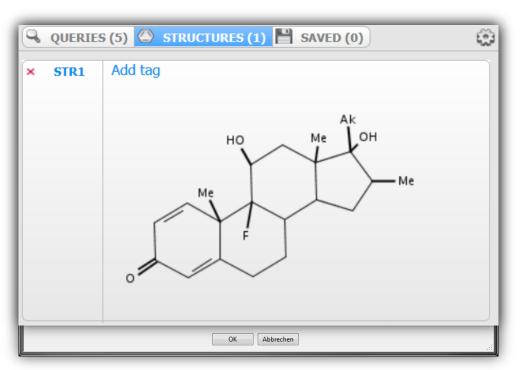


Structure can be searched simultaneously in DCR and REGISTRY

All polymers
Polymer class terms
Derwent Classes



Controlled release drug delivery
+
Anti-inflammatory drugs



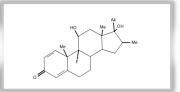
- Draw Structure in the intuitive Editor
- Tag structure to keep an overview
- Structure and bib searching in one step
- Combine search results



Classifications and thesauri more easily accessible

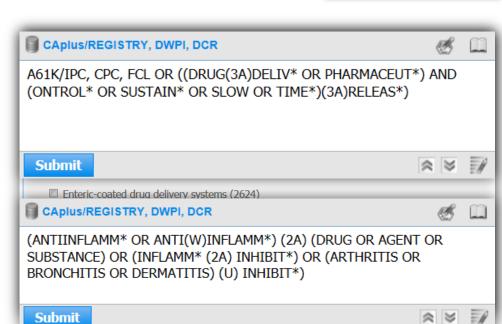
All polymers

Polymer class terms Derwent Classes



Controlled release drug delivery

Anti-inflammatory drugs

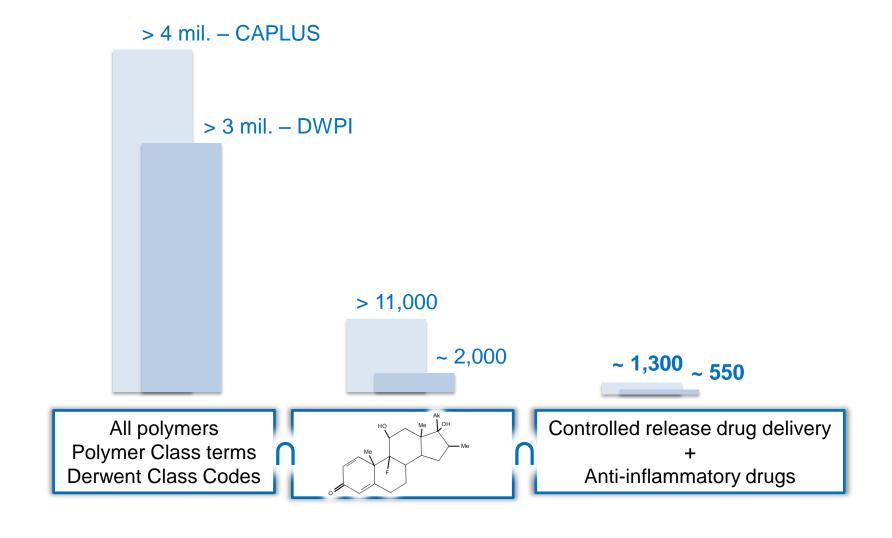


- Term explorer: controlled vocabulary
- Create Query based on CAPLUS CT and add patent and proprietary classifications
- Combine previous answer sets with controlled release drug delivery + anti-inflammatory

Final results in CAPLUS and DWPI



Less system limits allow for starting broad





Outlook: Next items in the development pipeline

- Patent full-text databases and the bibliographic part of INPADOC
- Patent family sort and display across multiple sources
- Create and manage term-lists from results to use them across multiple databases
- Manage update results
- Enhanced attribute panel in structure editor

STN



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