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Abstract Sifter – Innovative PubMed search and retrieval for chemical information

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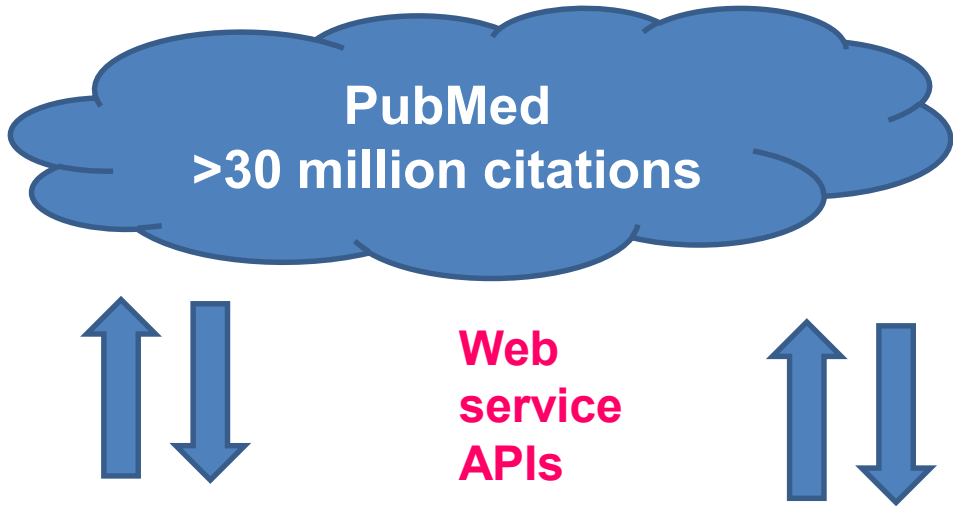
Practical Applications of New Approach Methodologies (NAM) in Chemical Safety Assessment:
Applying US EPA Tools/Approaches in Practice
10/23/2020

- Literature informatics
  - Make literature tasks easier and more effective
  - Important because of vast chemical literature
- Today's topic – Abstract Sifter
- Two implementations
  - EPA Chemicals Dashboard
  - Microsoft Excel
- Both – freely available

Motivation: PubMed – great resource, but …

- PubMed has limitations and frustrations
- Abstract Sifter original design aim: Find what you want quickly without frustration
- Much more functionality added

Concept

Which version to use?

PubMed
>30 million citations

Web service APIs

Dashboard version

Excel version

- **Quick lookup**
- **Connected to chemical**

- **Complex project**
- **Want to tag and note**
- **Literature reviews**
- **More than one chemical**

Demonstration

https://comptox.epa.gov/dashboard

https://comptox.epa.gov/dashboard/downloads

ftp://newftp.epa.gov/COMPTOX/Sustainable_Chemistry_Data/Chemistry_Dashboard/Abstract_Sifter/AbstractSifter.zip