

DBCLS Galaxy: A Galaxy Service to integrate databases in Japan

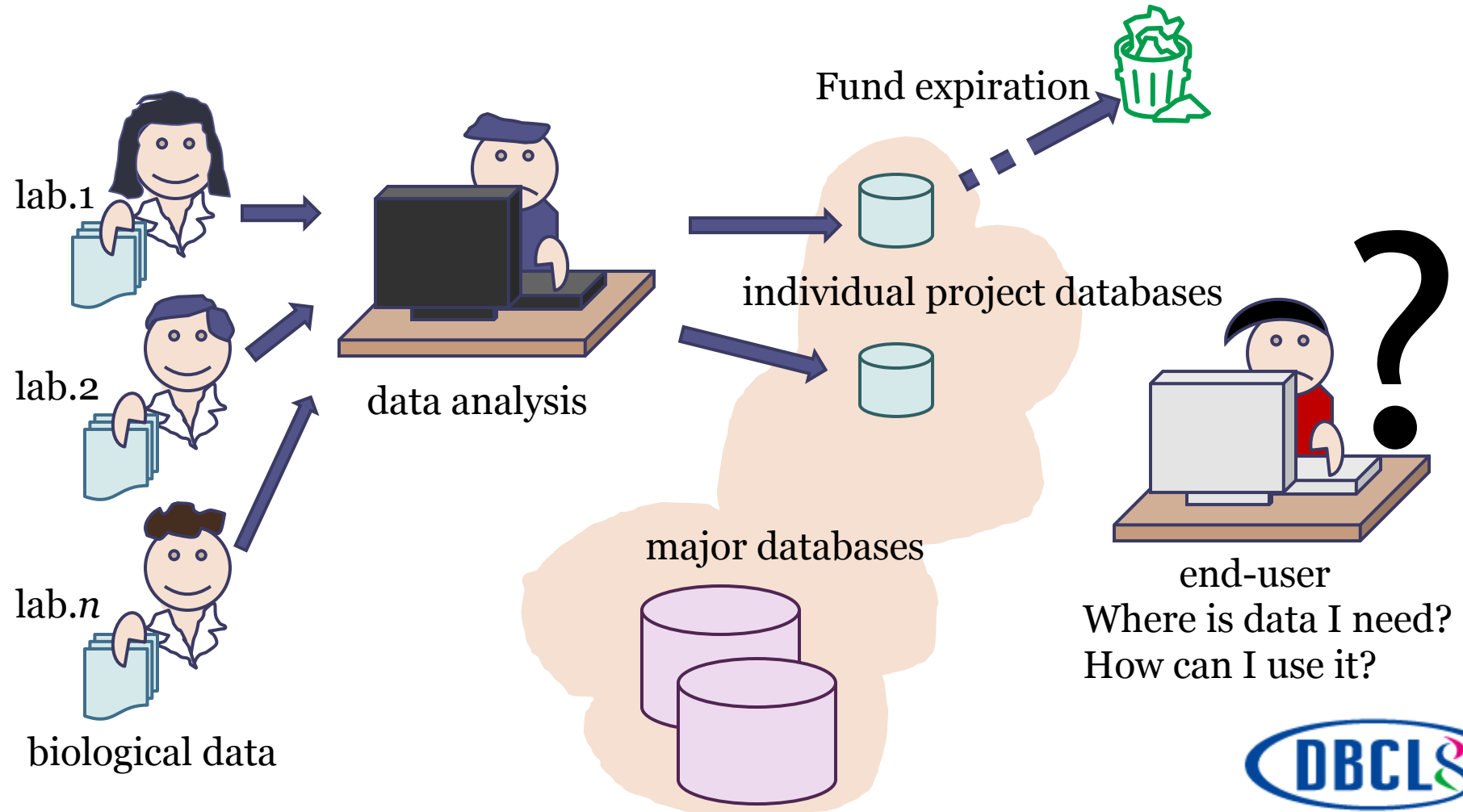
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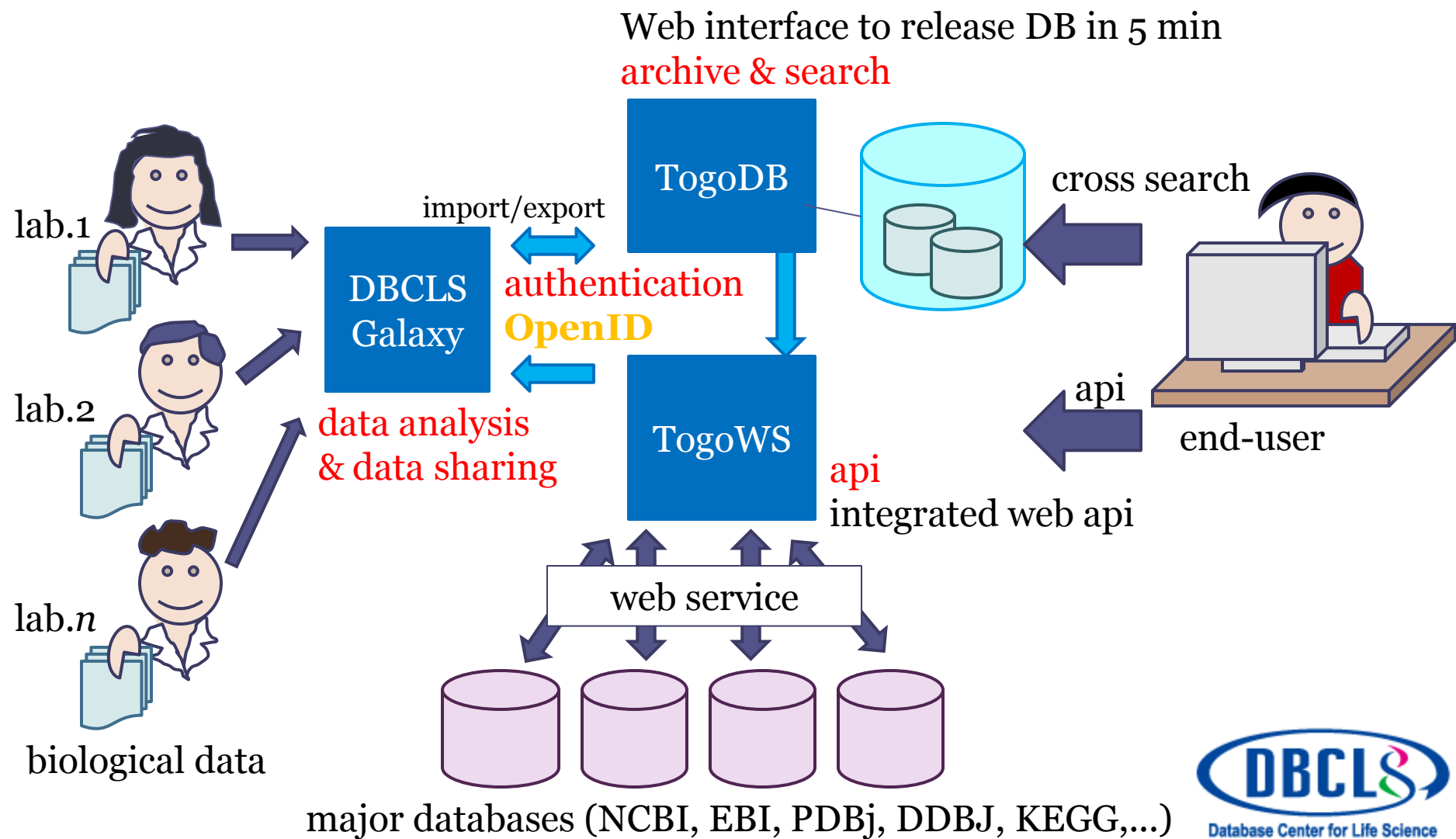
What is DBCLS?

- **DataBase Center for Life Science**,
a national center for life science database
integration in Japan (since 2007)
- Our mission is to integrate domestic life
science databases and to facilitate open access
of life science data.

A Problem We Should Solve



Proposed Scheme



Our Development

- お持ち帰り (All-in-one package to take out) DBCLS Galaxy
 - bootable image including all softwares to start DBCLS Galaxy automatically.
- adding tools, for example,
 - a tool to connect TogoWS & TogoDB
 - a tool to notify a user when a workflow ends through Twitter
 - a command-line tool to run a workflow
 - text mining tools
 - semantic web tools
- writing documents in Japanese

Thank you!

DBCLS Galaxy

<http://galaxy.dbcls.jp/>

TogoWS Search

Database:

- ncbi-genbank
- ncbi-genbank
- ncbi-pubmed
- ncbi-books
- ncbi-cancerchromosomes
- ncbi-cdd
- ncbi-domains
- ncbi-gap
- ncbi-gds
- ncbi-gene
- ncbi-genome
- ncbi-genomeprj
- ncbi-gensat
- ncbi-geo
- ncbi-homologene
- ncbi-journals
- ncbi-mesh
- ncbi-ncbisearch
- ncbi-nlmcatalog
- ncbi-nuccore
- ncbi-nuceast

Note that the format of a query should follow the Common Query Language.

Output: ID list of the database retrieved by the given query using TogoWS

TogoWS

クリック

そのようなサイトはゲノム中に
24,601ヶ所あることがわかります

データセット1との重なりを
'Operate on Genomic Intervals'
から調べましょう

chr	start	end	score	strand
1	1000000	1000000	1000	+
1	2000000	2000000	1000	+
1	3000000	3000000	1000	+
1	4000000	4000000	1000	+
1	5000000	5000000	1000	+
1	6000000	6000000	1000	+
1	7000000	7000000	1000	+
1	8000000	8000000	1000	+
1	9000000	9000000	1000	+
1	10000000	10000000	1000	+

screencast in Japanese



dbcls_galaxy finished. <http://galaxy.dbcls.jp/datasets/68/display/index>

@acopom

1分未満前 Twitter4Rから

Twitter notifier

