Agilent: New Releases Upcoming

ADFExport for OpenLab &
ADFExport Enterprise Subscription

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Abstract/Summary - Allotrope Fall Connect session Sep 15th, 2021

ADFExport 1.3

• Release of two products:
  - ADFExport for OpenLab
  - ADFExport Enterprise Subscription (3rd party data conversion)

• ADM LC-UV data models update (REC 2021/04):
  ADF specified unit unification for raw data and peak details

• 3rd party data conversion to ADF via OpenLab ECM

• OpenLab ECM integration

• SFC support for ADFExport for OpenLab (SFC REC 2021/04)
Agilent joined Allotrope as Partner Member

- 2015
  - Prototype development
- 2016
  - Collaboration with Allotrope members: Prototypes available as beta; installed in laboratory of different pharma companies;
- 2017
  - 1st commercial product release: ADFExport 1.0 for OpenLab CDS ChemStation
- 2018
  - Prototype enhancement; Contribution to LC, GC and MS data model
- 2019
  - ADFExport 1.1 for OpenLab CDS
- 2020
  - ADFExport 1.2 for OpenLab
- 2021
  - ADFExport 1.3 Planned for October 2021
A vision for OpenLab….

ADFExport

OpenLab ECM
long-term storage

Semantic Layer

“Smart data lake”

Instrument utilization
Asset Management
Trend Charts

… and AI would then be a next thinkable step

ADFExport

OpenLab CDS
OpenLab ChemStation

ADF

Vendor A

Vendor B

ECM import

ADFConverter

ECM Search

Upload

Semantic data

query

query

query
ADFExport 1.3

ADFExport for OpenLab
-Client side-

ADFExport

OpenLab CDS
CDS data

ChemStation data

OpenLab CDS / Chem-Station

OpenLab ECM

ECM Search

 upload

Further reuse

ADFExport Enterprise Subscription
-Server side-

ADF

3rd party data system

3rd party database

3rd party API

OpenLab ECM 3.X
Scheduler Add-In

3rd party SSIZIP

ADFExport Service
For OpenLab ECM

…….
ADFExport for OpenLab
ADFExport for OpenLab
OpenLab CDS Workflows

Export manually from OpenLab DataAnalysis UI

acquire
analyze
save results and export
Further re-use / archive
ADFExport for OpenLab

OpenLab CDS Workflows

Export automatically via DataAnalysis post-processing plugin (*processing method*)

Automatic export after Acquisition

- Acquire, analyze and export data
- Further re-use / archive

Automatic export after reprocessing in Data Analysis

- Acquire
- Analyze and export data
- Further re-use / archive
ADFExport for OpenLab
ChemStation Workflows

For existing data: ADF file export via windows command line

Execute ADFExport tool from command line or batch file

For new data: Export automatically to ADF via post-run / post sequence macro

Post-run or Post-sequence macro “Export to ADF”
What will be new in ADFExport for OpenLab revision 1.3

- Write latest **ADM LC-UV results REC 2021/04** for OpenLab CDS and ChemStation
  - Important change like ADF specified unit unification for raw data and peak details

- Add **Agilent SFC hardware results ADF data export** for OpenLab CDS and ChemStation
ADFExport Enterprise Subscription
What will be new in ADFExport Enterprise Edition revision 1.3

- **Waters Empower ADF export for LC-UV results** data format
  - Via ADFExport as an ECM service, combined w/ using existing ECM Scheduler Add-On for Waters Empower

- Write latest **ADM LC-UV results REC 2021/04** for Empower data
  - Same ADM LC-UV format as Agilent OpenLab CDS and ChemStation ADF data
  - I.e. also has important changes like ADF specified unit unification for raw data and peak details

- Adds **Archiving capabilities** to ADF via Agilent ECM
Demo
A promising outlook for broader ADF support …

Adding more techniques: GC, LC/MS, GC/MS

Adding ECM ADF Filter to search for ADF metadata

Agilent software imports ADF

OpenLab CDS ADF result import

OpenLab DataViewer

Adding ECM server side ADF conversion for OpenLab CDS and ChemStation data

Other 3rd party data

Is there customer interest for adding Thermo Chromeleon ADF conversion?
Agilent

Trusted Answers