

# FME 2017 - What's new ...



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# FME 2017: Neuigkeiten im Überblick

## FME Workbench

### Zeitsparendes:

- 🌐 Formate mit *quick add* hinzufügen
- 🌐 Transformer- und Format-Parameter in einem andockbaren Fenster

### Kosmetik:

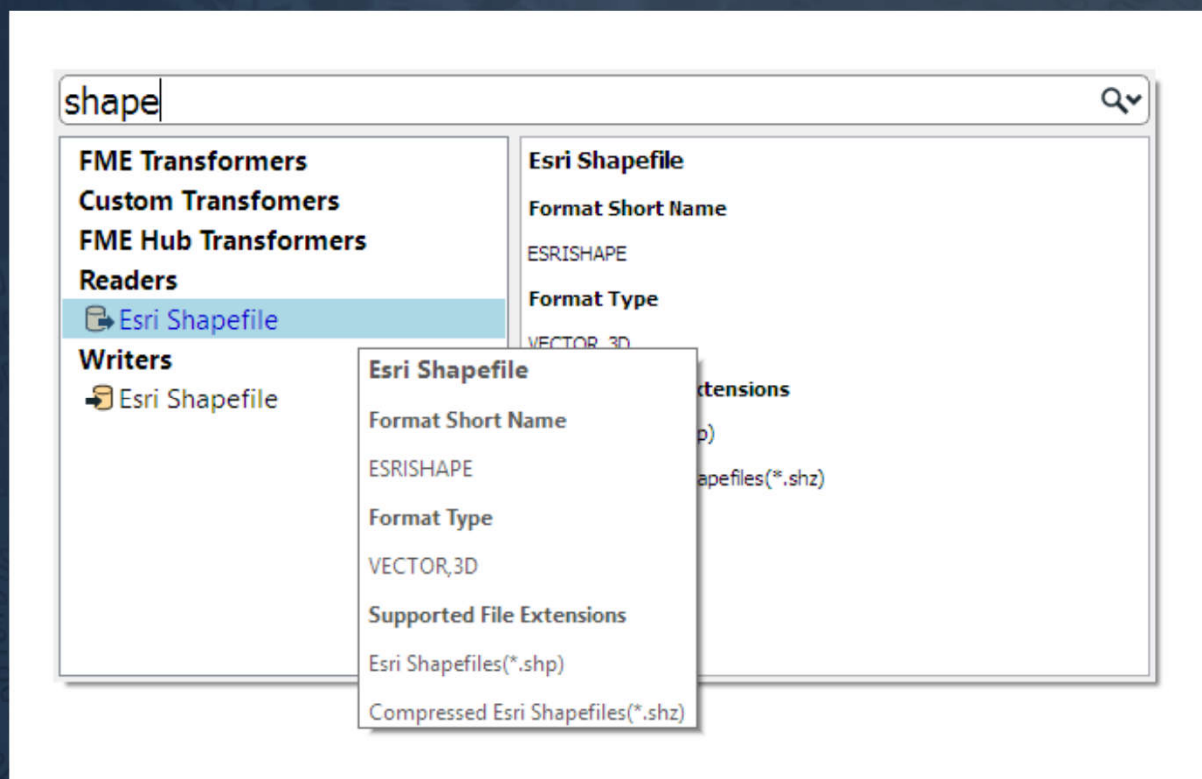
- 🌐 Bogenförmige oder quadratische Verbindungslinien zwischen Transformern

### Nützliches:

- 🌐 ZIP-Ausgabe mit einem Klick (ZIP-Knopf im Ausgabedialog)
- 🌐 Verzeichnis einer Datei direkt öffnen (*open containing folder*)
- 🌐 Brekpoints mit Inspection
- 🌐 Option für das Handling von *rejected features*
- 🌐 Kopieren/Einfügen von Parametern
- 🌐 Noch mehr Web-Dienste unterstützt

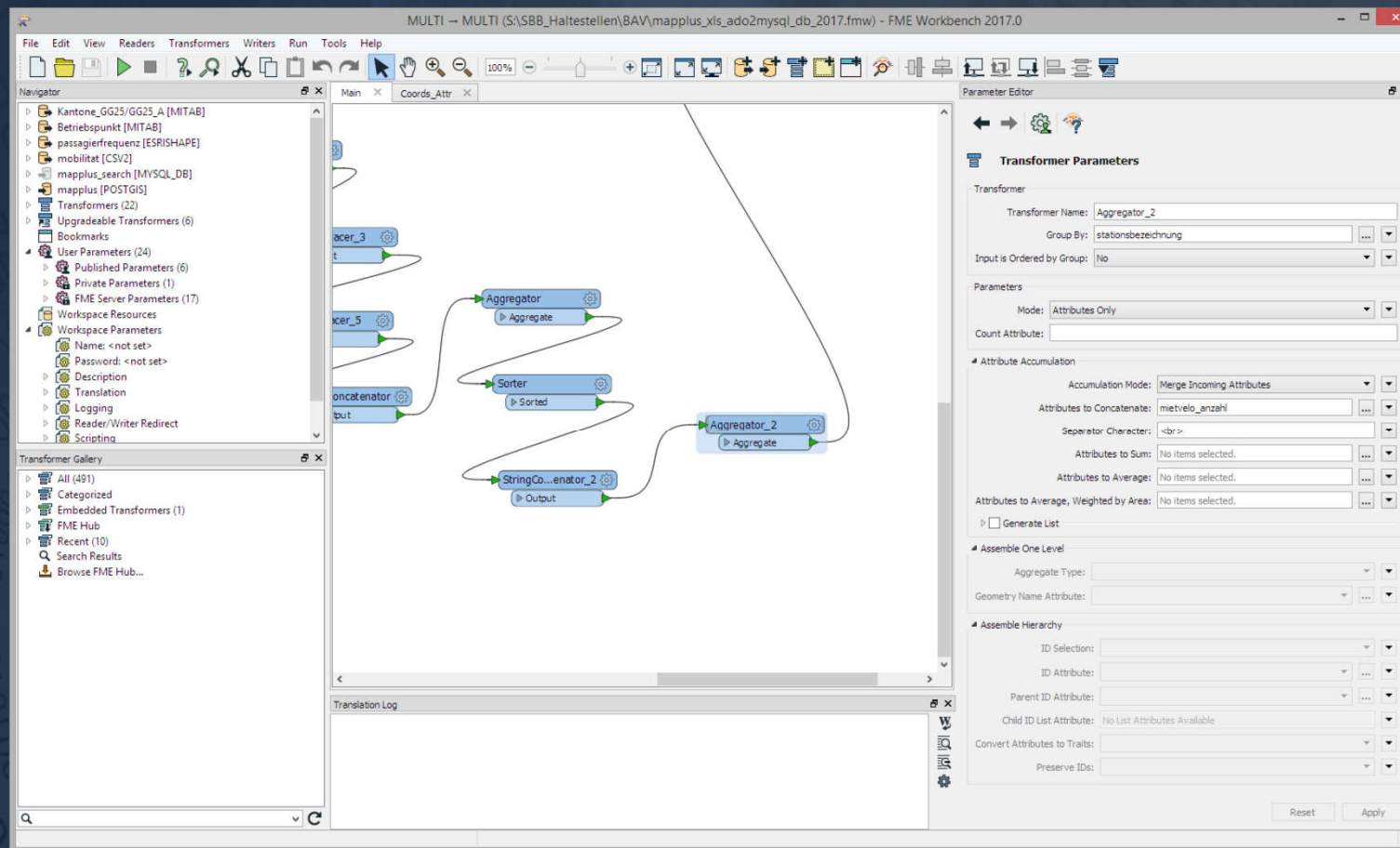


# FME Workbench: *Quick Add* von Formaten



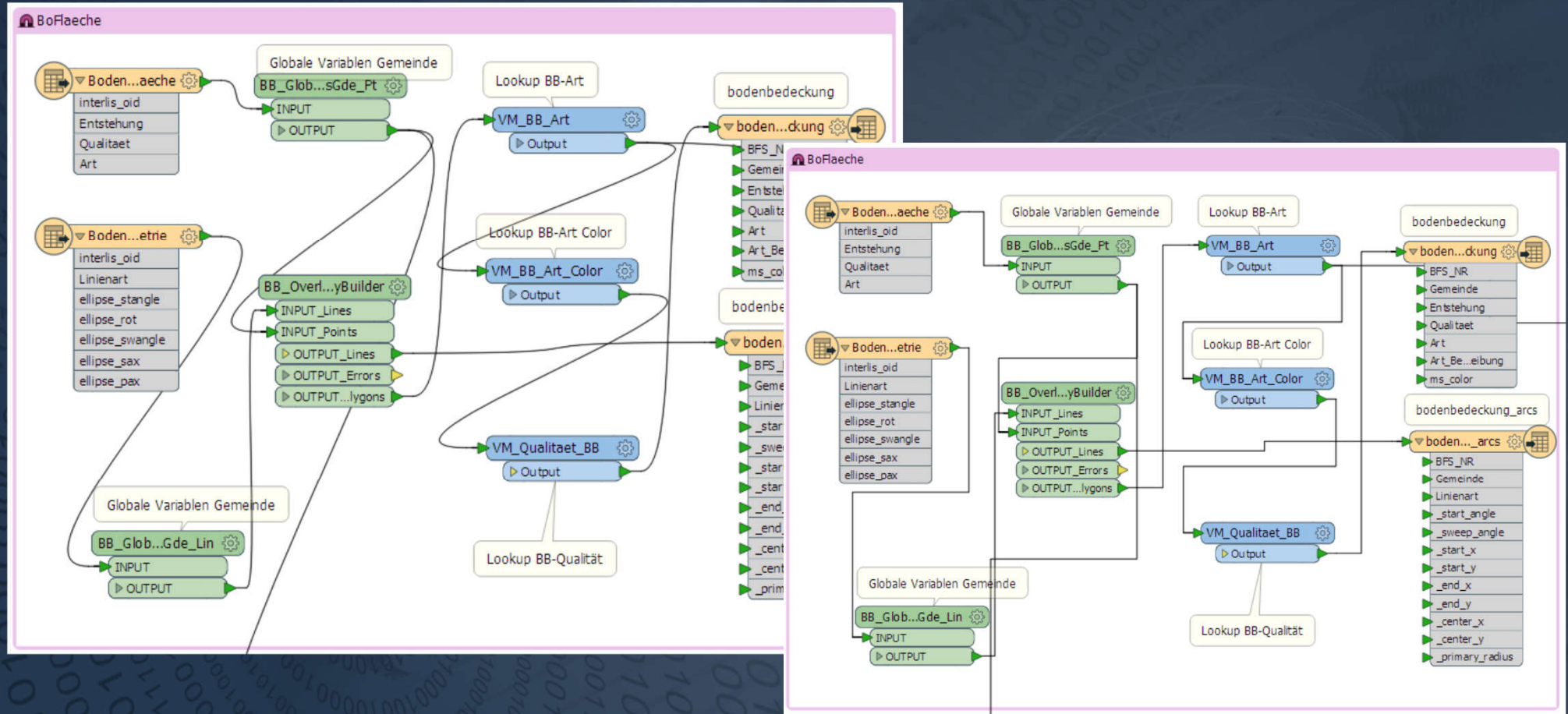


# FME Workbench: Transformer Parameter - Fenster



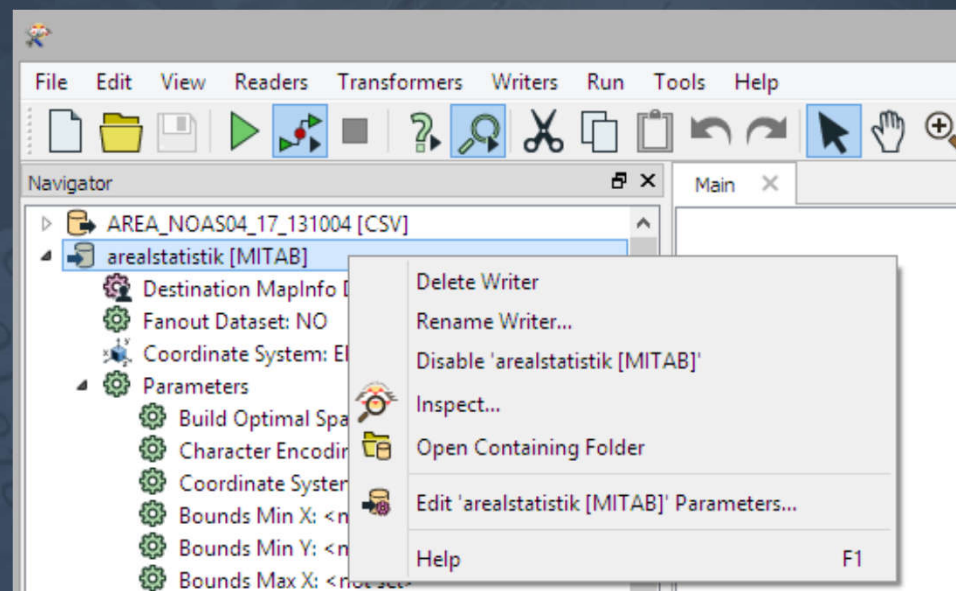
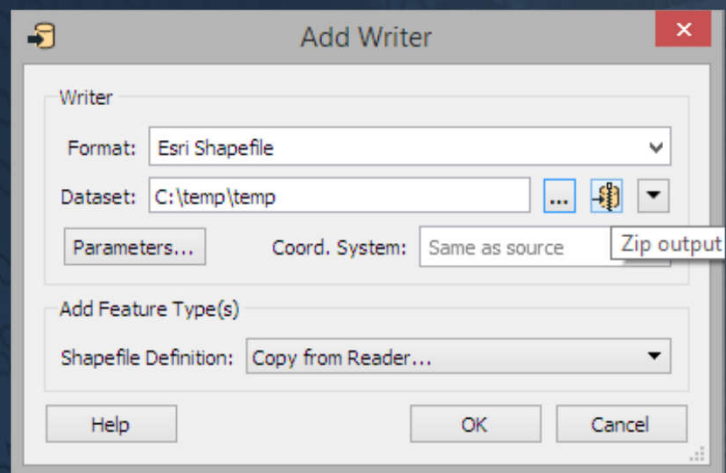


# FME Workbench: Darstellungsoptionen Verbindungen





# FME Workbench: ZIP Ausgabe / Verzeichnis öffnen





# FME Workbench: Breakpoints mit Inspection



(Running) \*MULTI -- VIEWER (MULTI) (S:\SBB\_Haltestellen\BAV\mapplus\_xls\_ado2mysql\_db\_2017.fmw) - FME Workbench 2017.0

File Edit View Readers Transformers Writers Run Tools Help

Navigator

- Kantone\_GG25/GG25\_A [MITAB]
- Betriebspunkt [MITAB]
- passagierfrequenz [ESRISHAPE]
- mobilitat [CSV2]
- mapplus\_search [MYSQL\_DB]
- mapplus [POSTGIS]
- Transformers (22)
- Upgradeable Transformers (6)
- Breakpoints (1)
- Bookmarks
- User Parameters (24)
- Published Parameters (6)
- Private Parameters (1)
- FME Server Parameters (17)
- Workspace Resources
- Workspace Parameters
  - Name: <not set>
  - Password: <not set>
  - Description
  - Translation
  - Logging
  - Reader/Writer Redirect

Transformer Gallery

- All (491)
- Categorized
- Embedded Transformers (1)
- FME Hub
- Recent (10)
- Search Results
- Browse FME Hub...

Main

Coords\_Attr

AttributeRenamer

Output

POINTO...RLAYER

CONCATENATOR\_4

COUNTER\_5

StringReplacer

Attribut...enamer\_3

Output

Kantone\_GG25

KANTONSNR

kuerzel

Translation Log

2017-03-03 11:03:29 7.7 0.1 | INFORM | Predefined coordinate system 'CH1903/GSB.LV03-M' (CH1903) is used.

2017-03-03 11:03:30 7.7 0.0 | INFORM | Read coordinate system 'CH1903/GSB.LV03-M' from MapInfo

2017-03-03 11:03:30 7.7 0.0 | INFORM | The GOC definition of the FMP coordinate system 'CH1903' is used.

2017-03-03 11:03:30 7.7 0.0 | INFORM | MITAB\_1 Reader: Using Enhanced Geometry

2017-03-03 11:03:30 7.7 0.0 | WARN | NOT changing coordinate system of reader identified by :

2017-03-03 11:03:44 7.9 0.2 | INFORM | Overlaying points on areas

Feature Inspector

Geometry (Aggregate)

Contents

| Property                                           | Value        |
|----------------------------------------------------|--------------|
| Coordinate System                                  | CH1903/GSB   |
| Dimension                                          | 2D           |
| Number of Vertices                                 | 9628         |
| Min Extents                                        | 556243.7, 13 |
| Max Extents                                        | 677741.9, 24 |
| Attributes (24)                                    |              |
| fme_color (string)                                 | 0,0,0        |
| fme_feature_type (string)                          | Kantone_GG   |
| fme_geometry (string)                              | fme_aggreg   |
| fme_type (string)                                  | fme_area     |
| ID (string)                                        | 2            |
| kuerzel (encoded: cp1252)                          | BE           |
| mapinfo brush background (32 bit unsigned integer) | 16777215     |

Translation paused at breakpoint



# FME Data Inspector: Auswahl von Tabellenspalten

FME Data Inspector

File View Camera Tools Window Help

Display Control

View 1 (819)

mobilitat [CSV2] (819)

CSV (819)

There is no geometry in this View.

Feature Information

Property Value

Features Selected: 0

Table View

Table: mobilitat [CSV2] - CSV

|    | stationsbezeichnung      | parkrail_anzahl | parkrail_bemerkung |
|----|--------------------------|-----------------|--------------------|
| 1  | Basel SBB                |                 |                    |
| 2  | Basel SBB                |                 |                    |
| 3  | Basel SBB                |                 |                    |
| 4  | Basel SBB                |                 |                    |
| 5  | Basel SBB                |                 |                    |
| 6  | Frenkendorf-FÄ%llinsdorf | 27.0            | 5.0                |
| 7  | LÄ%ufelfingen            | 10.0            | 0.0                |
| 8  | Zwingen                  | 63.0            | 5.0                |
| 9  | Glovelier                | 16.0            | 4.0                |
| 10 | Solothurn West           | 69.0            | 8.0                |
| 11 | Solothurn                | 193.0           | 10.0               |
| 12 | Luterbach-Attisholz      | 16.0            | 4.0                |
| 13 | Wangen an der Aare       | 32.0            | 4.0                |
| 14 | Oensingen                | 147.0           | 6.0                |
| 15 | Olten Hammer             | 28.0            | 6.0                |
| 16 | Laufenburg               | 38.0            | 6.0                |
| 17 | Zirneysa                 |                 |                    |
| 18 | CÄ%ligny                 |                 |                    |
| 19 | Rolle                    | 120.0           | 7.0                |
| 20 | St-Prex                  | 60.0            | 5.0                |

Table View Schema

Available columns: 46

- ☒ carsharing\_standort\_bezeichnung
- ☒ csv\_line\_number
- ☒ csv\_number\_of\_fields
- ☒ mietvelo\_anzahl
- ☒ mietvelo\_bemerkung
- ☒ mietvelo\_bezeichnung
- ☒ parkrail\_anzahl
- ☒ parkrail\_bemerkung
- ☒ parkrail\_pflichtig\_zeit1
- ☒ parkrail\_pflichtig\_zeit2
- ☒ parkrail\_pflichtig\_zeit3
- ☒ parkrail\_preis\_jahr
- ☒ parkrail\_preis\_monat
- ☒ parkrail\_preis\_tag
- ☒ raitaxiinfo
- ☒ raitaxitext
- ☒ stationsbezeichnung
- ☒ veloparking\_abschliessbar
- ☒ veloparking\_abschliessbar\_text
- ☒ veloparking\_bemerkung\_d
- ☒ veloparking\_status\_d
- ☐ csv\_skipped\_line
- ☐ csv\_total\_number\_of\_columns

Selected columns: 21

- stationsbezeichnung
- parkrail\_anzahl
- parkrail\_preis\_tag
- parkrail\_preis\_monat
- parkrail\_preis\_jahr
- parkrail\_pflichtig\_zeit1
- parkrail\_pflichtig\_zeit2
- parkrail\_pflichtig\_zeit3
- parkrail\_bemerkung
- raitaxitext
- raitaxiinfo
- mietvelo\_bezeichnung
- mietvelo\_anzahl
- mietvelo\_bemerkung
- veloparking\_status\_d
- veloparking\_bemerkung\_d
- veloparking\_abschliessbar
- veloparking\_abschliessbar\_text
- carsharing\_standort\_bezeichnung
- csv\_line\_number

Columns...

Log Table View

819 row(s)

X: ..... Y: ..... Unknown Coordinate System: Unknown Unit





## Neue Formate

-  Autodesk FBX (R/W)
-  BIM Collaboration Format BCF (R/W)
-  Cesium 3D Tiles (W)
-  HTML Table (R)
-  MapBox MBTiles (R/W)
-  MapInfo Extended TAB (R, W in 2017.1)
-  OGC Geopackage Raster Tiles (R/W)
-  OpenStreetMap PBF (R)
-  Planet (R)
-  Landsat 8 (R in 2017.1)
-  Sentinel 2 auf AWS (R)
-  Und andere mehr ...



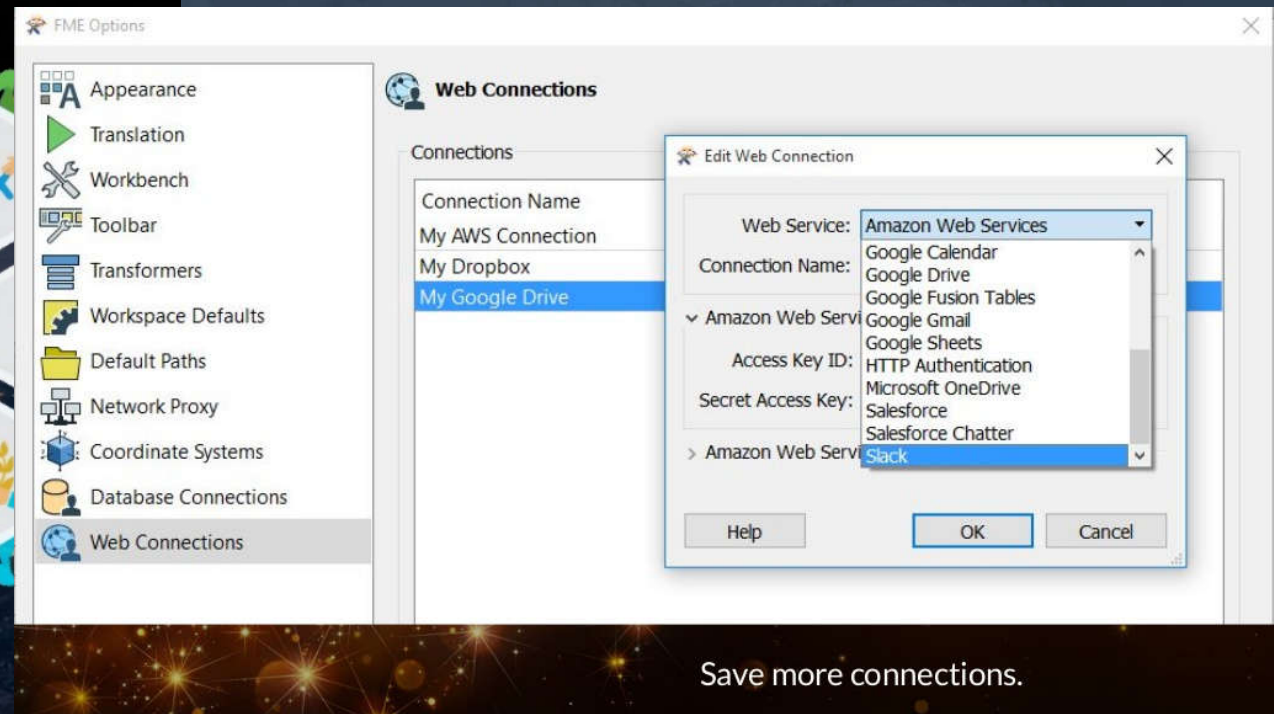
## Neue Formate: Satelliten-Daten



|                   | Landsat (NASA/USGS) | Sentinel 2 (ESA)   | Planet              |
|-------------------|---------------------|--------------------|---------------------|
| <i>Resolution</i> | 15/30/100m          | 10/20/60m          | 3-5m                |
| <i>Status</i>     | Free                | Free               | Paid                |
| <i>Frequency</i>  | ~Bi-weekly          | Weekly (or better) | Daily (Spring 2017) |



# Web Dienste







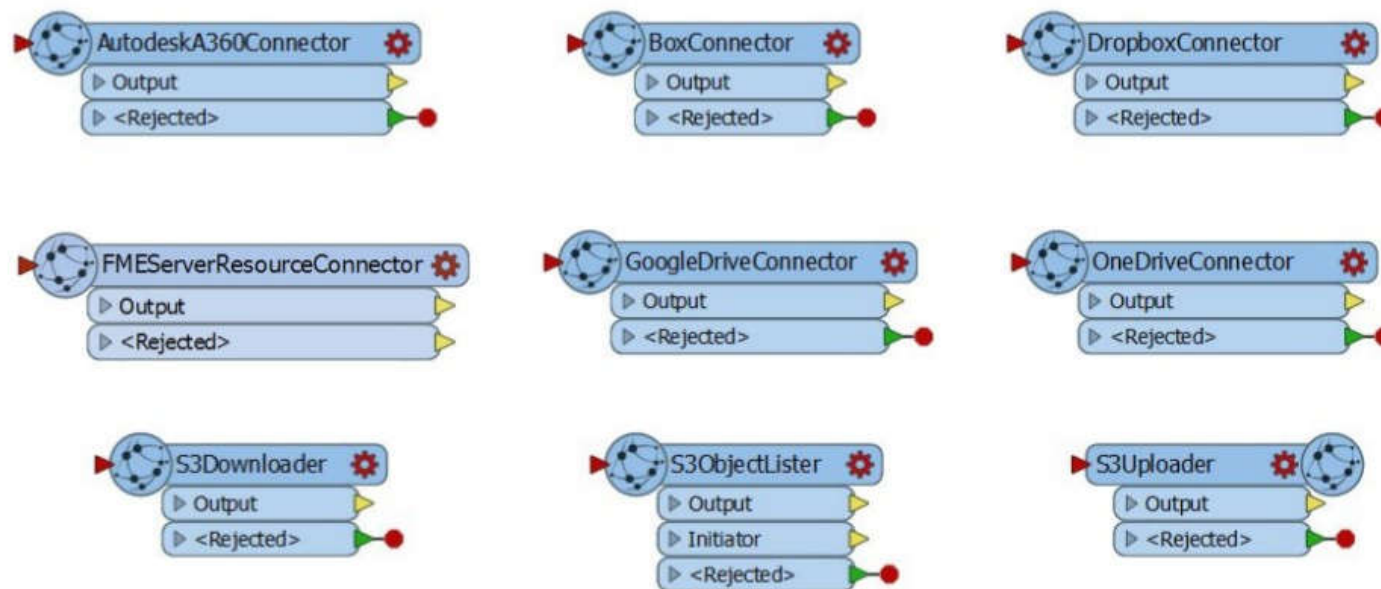
## Neue / Erweiterte Transformer

-  Autodesk A360 Connector
-  BOX Connector
-  DatabaseJoiner (umbenannt von Joiner)
-  Dropbox Connector
-  FME Server Resource Connector
-  Geocoder
-  Google Drive Connector
-  HTML Extractor
-  LineBuilder (umbenannt von PointConnector)
-  LineExtender (umbenannt von Extender)
-  OneDrive Connector
-  Point Cloud Simplifier
-  Point Cloud Surface Builder



## Neue Transformer: Zugriff auf Datenserver

-  FME Server
-  Dropbox
-  Google Drive
-  OneDrive
-  Amazon S3
-  Autodesk A360



Manage data stored remotely.