

Import to Excel

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About Import to Excel

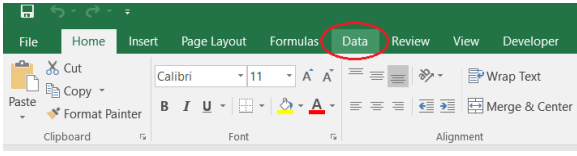
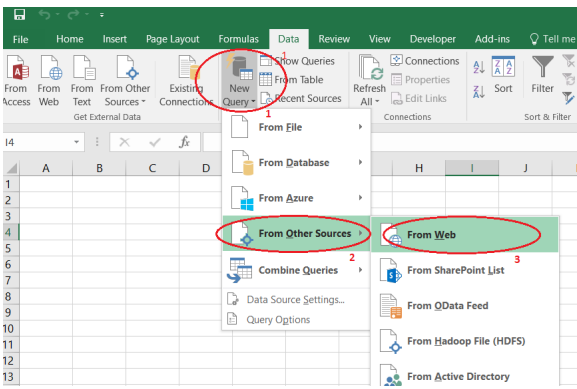
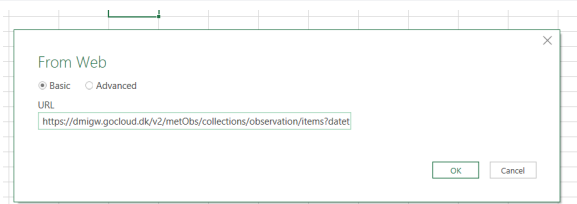
DMI's open data is retrieved in JSON format ("JavaScript Object Notation").

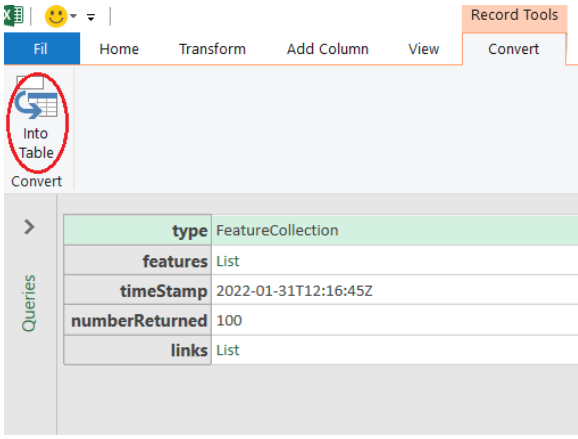
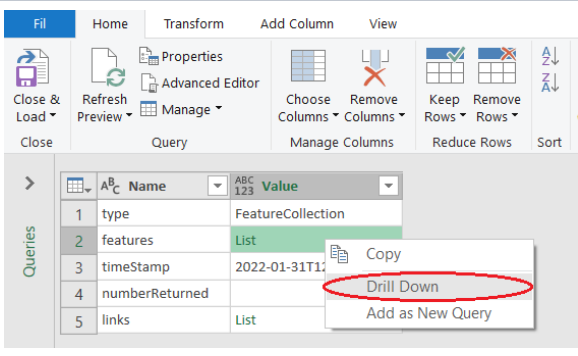
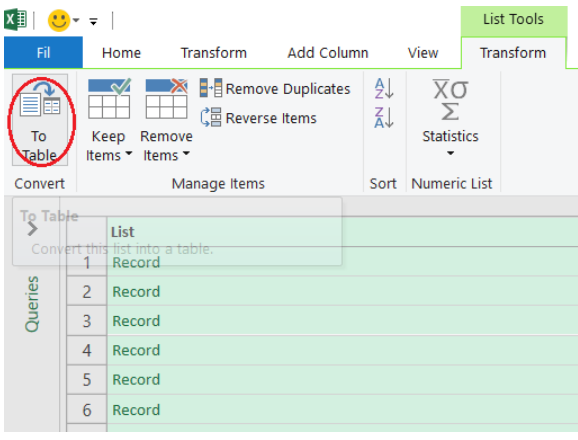
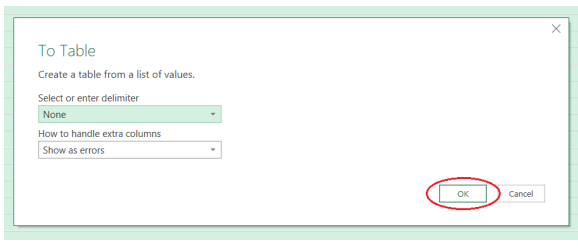
You are able to import the JSON response of an API query directly into newer versions of Excel by following the guide below.

From Excel data can easily be saved in .csv format.

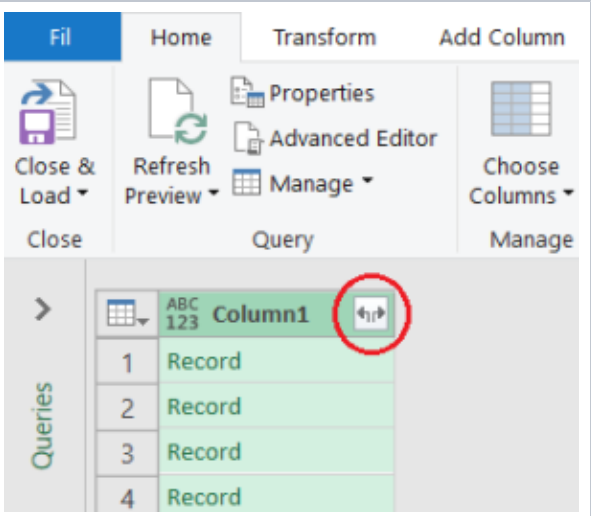
If you want to convert JSON directly into a .csv file several "JSON to CSV converters" can be found online.

How to query the DMI Open Data API directly from Excel

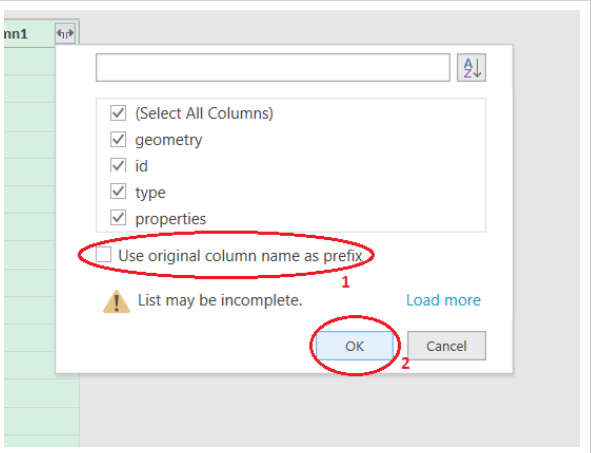
Step	Action	Screen dump
1	Open Excel and click the Data tab	
2	Click New Query > From Other Sources > From Web	
3	Enter your DMI open data query in the URL text field and press OK (Remember to include your api-key in the query)	

4	Click Into Table (on the convert tab)	 <p>The screenshot shows the Power Query ribbon with the 'Convert' tab selected. The 'Into Table' button is circled in red. Below the ribbon, a table with the following data is visible:</p> <table border="1"> <thead> <tr> <th>type</th> <td>FeatureCollection</td> </tr> </thead> <tbody> <tr> <td>features</td> <td>List</td> </tr> <tr> <td>timeStamp</td> <td>2022-01-31T12:16:45Z</td> </tr> <tr> <td>numberReturned</td> <td>100</td> </tr> <tr> <td>links</td> <td>List</td> </tr> </tbody> </table>	type	FeatureCollection	features	List	timeStamp	2022-01-31T12:16:45Z	numberReturned	100	links	List				
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5	Right click the value of "features" (List) Click Drill Down	 <p>The screenshot shows the Power Query ribbon with the 'Manage Columns' group selected. A right-click context menu is open over the 'List' value in the 'features' row. The 'Drill Down' option is circled in red. The context menu options are:</p> <ul style="list-style-type: none"> Copy Drill Down Add as New Query 														
6	Click To Table	 <p>The screenshot shows the Power Query ribbon with the 'List Tools' group selected. The 'To Table' button is circled in red. Below the ribbon, a table with the following data is visible:</p> <table border="1"> <thead> <tr> <th>Record</th> <td>List</td> </tr> </thead> <tbody> <tr> <td>1</td> <td>Record</td> </tr> <tr> <td>2</td> <td>Record</td> </tr> <tr> <td>3</td> <td>Record</td> </tr> <tr> <td>4</td> <td>Record</td> </tr> <tr> <td>5</td> <td>Record</td> </tr> <tr> <td>6</td> <td>Record</td> </tr> </tbody> </table>	Record	List	1	Record	2	Record	3	Record	4	Record	5	Record	6	Record
Record	List															
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7	Click OK	 <p>The screenshot shows the 'To Table' dialog box. The 'OK' button is circled in red. The dialog box contains the following text:</p> <p>Create a table from a list of values.</p> <p>Select or enter delimiter None</p> <p>How to handle extra columns Show as errors</p>														

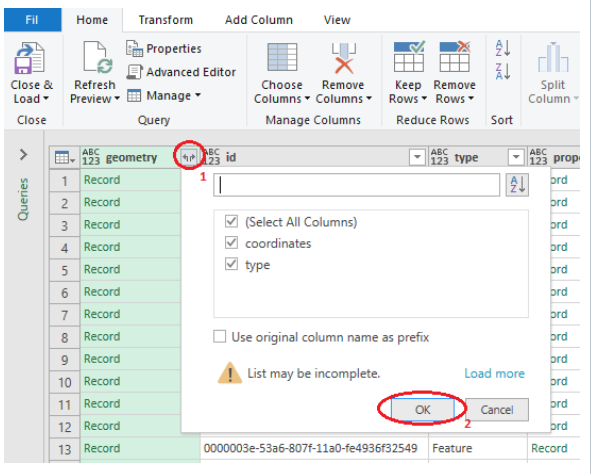
8 Click the button with left and right arrows



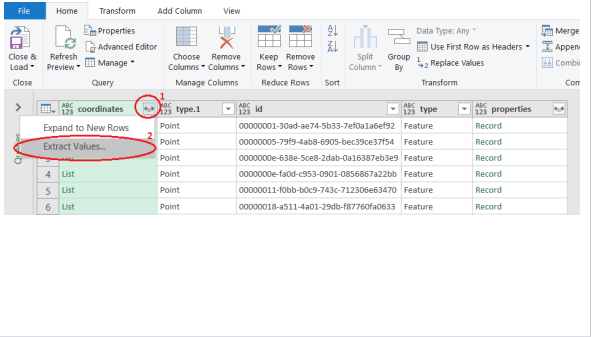
9 Uncheck "use original column name as prefix"
Click OK

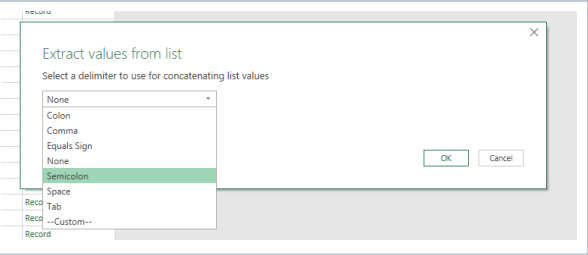
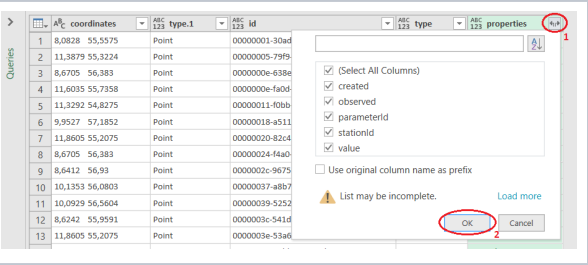
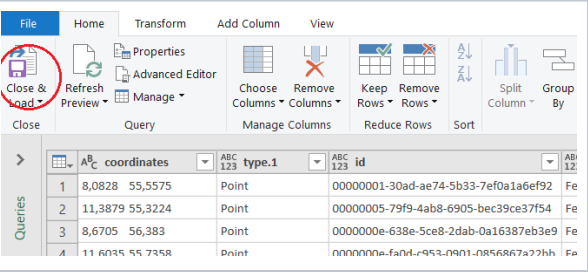


10 Click the button with left and right arrows at the top of the "geometry" column.



11 Click the button with left and right arrows at the top of the "coordinates" column.
Click **Extract Values**
(you can also choose "Expand to New Rows". This will give you two identical rows for each observation. One row for latitude coordinates and one for longitude).



<p>12</p> <p>Select a delimiter from list for concatenating the coordinates</p> <p>Press OK</p> <p>(In this example we chose semicolon as the delimiter)</p>																										
<p>13</p> <p>Click the button with left and right arrows at the top of the "properties" column</p> <p>Press OK in the the window that appears</p>																										
<p>14</p> <p>Click Close and Load to finalise the import process.</p>	 <table border="1" data-bbox="495 787 1079 913"> <thead> <tr> <th></th> <th>coordinates</th> <th>type.1</th> <th>id</th> <th>properties</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>8,0828 55,5575</td> <td>Point</td> <td>00000001-30ad</td> <td>Fe</td> </tr> <tr> <td>2</td> <td>11,3879 55,3224</td> <td>Point</td> <td>00000005-79f9</td> <td>Fe</td> </tr> <tr> <td>3</td> <td>8,6705 56,383</td> <td>Point</td> <td>0000000e-638e</td> <td>Fe</td> </tr> <tr> <td>4</td> <td>11,6035 55,7358</td> <td>Point</td> <td>0000000e-fa0d</td> <td>Fe</td> </tr> </tbody> </table>		coordinates	type.1	id	properties	1	8,0828 55,5575	Point	00000001-30ad	Fe	2	11,3879 55,3224	Point	00000005-79f9	Fe	3	8,6705 56,383	Point	0000000e-638e	Fe	4	11,6035 55,7358	Point	0000000e-fa0d	Fe
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