

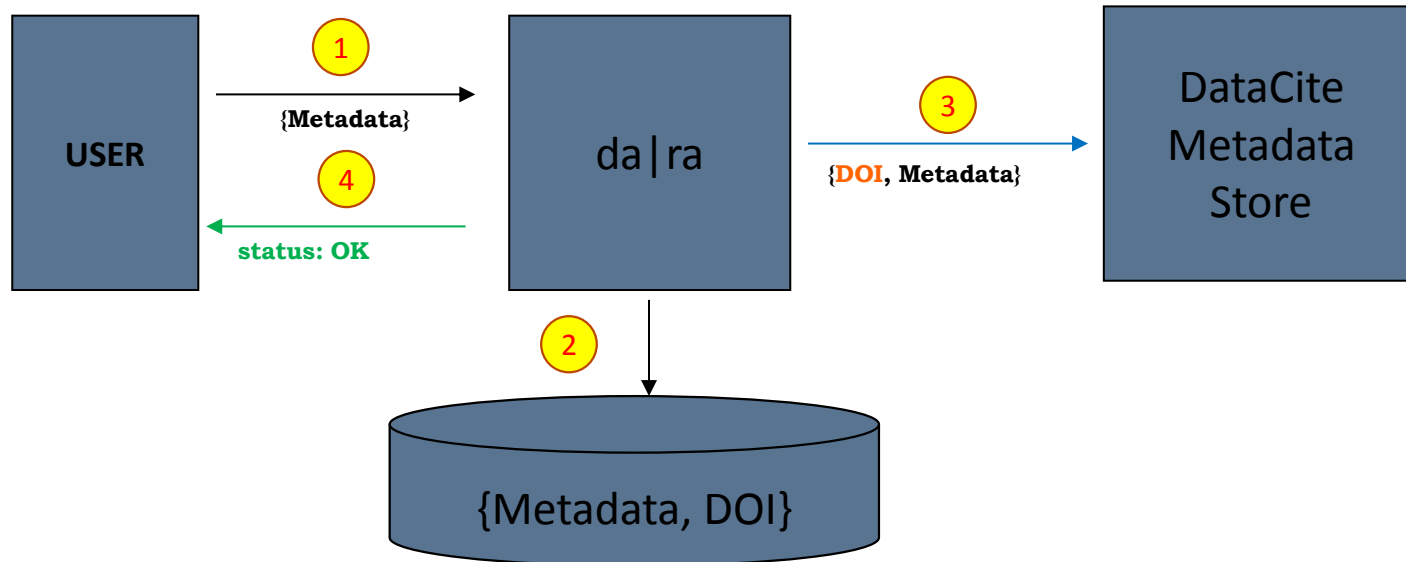
Outline

1. Registry procedure
2. XSD changes

Ways to get your DOI

1. Create/Edit form
2. Metadata upload
3. Web service (API)

Registry procedure



Step by Step During Registration:

1. User submits his metadata to da|ra, i.e. Title, URL, Publication Date, Principal Investigator, Availability, etc.
2. da|ra stores metadata and DOI.
3. da|ra communicates with DataCite: forwards the metadata, including a DOI.
4. User receives confirmation.

XSD changes

1. General changes
2. XML examples

General changes

1. Namespace
2. All ISO 639-3 language codes are allowed for resourceLanguage
3. All ISO 639-1 language codes are allowed for metadataLanguage
4. Enumerations for controlled vocabularies were replaced by separate schemas included in main da|ra schema
5. Controlled vocabularies values changed from id's to human readable codes
6. All DataCite resource types are allowed for registering DOI names

fundingReference

```

<fundingReferences>
  <fundingReference>
    <person>
      <firstName>Louisa</firstName>
      <lastName>Tarullo</lastName>
      <personIDs>
        <personID>
          <identifierURI>http://viaf.org/viaf/36147118195726340869</identifierURI>
          <identifierSchema>VIAF</identifierSchema>
        </personID>
      </personIDs>
    </person>
  </fundingReference>
  <fundingReference>
    <institution>
      <institutionName>United States Department of Health and Human Services. Administration for Children and Families</institutionName>
      <institutionIDs>
        <institutionID>
          <identifierURI>http://viaf.org/viaf/136949128</identifierURI>
          <identifierSchema>VIAF</identifierSchema>
        </institutionID>
      </institutionIDs>
      <award>
        <awardNumber>HHSP23320092900YC</awardNumber>
        <awardURI>http://government-contracts.insidegov.com/HHSP23320092900YC</awardURI><!-- fictitious -->
        <awardTitle>
          <language>en</language>
          <title>Title: HHSP23320092900YC</title>
        </awardTitle>
      </award>
    </institution>
  </fundingReference>
</fundingReferences>

```

availability

da|ra 3.1

```
<availability>  
  <availabilityControlled>1</availabilityControlled>  
  <availabilityFree>  
    <language>de</language>  
    <availabilityText>Download</availabilityText>  
  </availabilityFree>  
  <availabilityFree>  
    <language>en</language>  
    <availabilityText>Download</availabilityText>  
  </availabilityFree>  
</availability>
```

da|ra 4.0

```
<availability>  
  <availabilityControlled>OnSite</availabilityControlled>  
  <availabilityFree>  
    <language>de</language>  
    <freetext>Die Print-Version ist lieferbar</freetext>  
  </availabilityFree>  
  <availabilityFree>  
    <language>en</language>  
    <freetext>A print version is available</freetext>  
  </availabilityFree>  
  <embargoDate>2017-11-22</embargoDate>  
</availability>
```

rights

da|ra 3.1

```
<rights>
  <right>
    <language>en</language>
    <rightsText>No commercial
  </right>
  <right>
    <language>de</language>
    <rightsText>Keine kommerzielle
  </right>
</rights>
```

da|ra 4.0

```
<rights>
  <licenceControlled>CC0.1.0</licenceControlled>
  <right>
    <language>de</language>
    <freetext>Rights: Der Datensatz basiert auf de
  </right>
</rights>
```


temporalCoverage

da|ra 3.1

da|ra 4.0

```

<temporalCoverages>
  <temporalCoverage>
    <language>en</language>
    <temporalCoverageFree>Wave 1</temporalCoverageFree>
    <temporalCoverageFormal>
      <startDate>
        <date>2006-05-30</date>
      </startDate>
      <endDate>
        <date>2006-08-20</date>
      </endDate>
    </temporalCoverageFormal>
  </temporalCoverage>
  <temporalCoverage>
    <language>de</language>
    <temporalCoverageFree>Welle 1</temporalCoverageFree>
    <temporalCoverageFormal>
      <startDate>
        <date>2006-05-30</date>
      </startDate>
      <endDate>
        <date>2006-08-20</date>
      </endDate>
    </temporalCoverageFormal>
  </temporalCoverage>
</temporalCoverages>

```

```

<temporalCoverages>
  <temporalCoverage>
    <temporalCoverageFormal>
      <startDate>
        <year>2009</year>
      </startDate>
      <endDate>
        <year>2012</year>
      </endDate>
    </temporalCoverageFormal>
  </temporalCoverage>
  <temporalCoverage>
    <temporalCoveragesFree>
      <temporalCoverageFree>
        <language>en</language>
        <freertext>Collection date: 2009</freertext>
      </temporalCoverageFree>
    </temporalCoveragesFree>
  </temporalCoverage>
</temporalCoverages>

```

timeDimension

da|ra 3.1

da|ra 4.0

```
<timeDimensions>
  <timeDimension>
    <language>en</language>
    <timeDimensionControlled>8</timeDimensionControlled>
    <timeDimensionFree>Time series with different monitoring st
    <frequency>annual updates of the time series</frequency>
  </timeDimension>
  <timeDimension>
    <language>de</language>
    <timeDimensionControlled>8</timeDimensionControlled>
    <timeDimensionFree>Zeitreihen mit unterschiedlichem Startp
    <frequency>jährliches update der Zeitreihen</frequency>
  </timeDimension>
</timeDimensions>
```

```
<timeDimensions>
  <timeDimension>
    <timeDimensionControlled>Longitudinal</timeDimensionControlled>
    <timeDimensionsFree>
      <timeDimensionFree>
        <language>en</language>
        <freetext>ongoing longitudinal study</freetext>
      </timeDimensionFree>
    </timeDimensionsFree>
    <frequencies>
      <frequency>
        <language>en</language>
        <freetext>every three years</freetext>
      </frequency>
    </frequencies>
  </timeDimension>
  <timeDimension>
    <timeDimensionControlled>Longitudinal.Panel</timeDimensionControlled>
  </timeDimension>
</timeDimensions>
```

dataSet

da|ra 3.1

da|ra 4.0

```
<dataSets>
  <dataSet>
    <language>de</language>
    <unitType>1</unitType>
    <numberUnits>7230</numberUnits>
    <numberVariables>27</numberVariables>
    <dataType>survey data</dataType>
    <files>
      <file>
        <name>Uebergangsstudie_2006_GWA_Ereignisdatensatz.sav</name>
        <format>SPSS</format>
        <size> 11,9 MB</size>
        <fingerprint> a10998811c8749d06a89b9864512cacb</fingerprint>
        <fingerprintMethod>MD5</fingerprintMethod>
      </file>
      <file>
        <name>Uebergangsstudie_2006_GWA_Ereignisdatensatz.dta</name>
        <format>STATA</format>
        <size>12,7 MB</size>
        <fingerprint>e3094a3945294d1ea3272ab35f5765e0</fingerprint>
        <fingerprintMethod>MD5</fingerprintMethod>
      </file>
    </files>
  </dataSet>
</dataSets>
```

```
<dataSets>
  <dataSet>
    <unitType>Individual</unitType>
    <numberUnits>7230</numberUnits>
    <numberVariables>27</numberVariables>
    <dataTypes>
      <dataType>
        <language>en</language>
        <freetext>survey data</freetext>
      </dataType>
    </dataTypes>
    <files>
      <file>
        <name>Uebergangsstudie_2006_GWA_Ereignisdatensatz.sav</name>
        <format>SPSS</format>
        <size> 11,9 MB</size>
        <fingerprint> a10998811c8749d06a89b9864512cacb</fingerprint>
        <fingerprintMethod>MD5</fingerprintMethod>
      </file>
      <file>
        <name>Uebergangsstudie_2006_GWA_Ereignisdatensatz.dta</name>
        <format>STATA</format>
        <size>12,7 MB</size>
        <fingerprint>e3094a3945294d1ea3272ab35f5765e0</fingerprint>
        <fingerprintMethod>MD5</fingerprintMethod>
      </file>
    </files>
  </dataSet>
</dataSets>
</resource>
```

geographicCoverage

da|ra 3.1

da|ra 4.0

```
<geographicCoverages>
  <geographicCoverage>
    <geographicCoverageControlled>DE-BE</geographicCoverageControlled>
    <geographicCoveragesFree>
      <geographicCoverageFree>
        <language>en</language>
        <freetext>Tegel</freetext>
      </geographicCoverageFree>
    </geographicCoveragesFree>
    <geoLocationPoint>
      <pointLongitude>52.5833330</pointLongitude>
      <pointLatitude>13.2833330</pointLatitude>
    </geoLocationPoint>
    <geoLocationBox>
      <westBoundLongitude>41.090000</westBoundLongitude>
      <eastBoundLongitude>-71.032000</eastBoundLongitude>
      <southBoundLatitude>42.893000</southBoundLatitude>
      <northBoundLatitude>-68.211000</northBoundLatitude>
    </geoLocationBox>
  </geographicCoverage>
</geographicCoverages>
```

```
<geographicCoverages>
  <geographicCoverage>
    <geographicCoverageControlled>NA</geographicCoverageControlled>
    <geographicCoveragesFree>
      <geographicCoverageFree>
        <language>en</language>
        <freetext>Brandberg</freetext>
      </geographicCoverageFree>
    </geographicCoveragesFree>
    <geoLocationPolygon>
      <polygonPoint>
        <pointLongitude>11.7200000</pointLongitude>
        <pointLatitude>-16.9600000</pointLatitude>
      </polygonPoint>
      <polygonPoint>
        <pointLongitude>11.7200000</pointLongitude>
        <pointLatitude>-28.9700000</pointLatitude>
      </polygonPoint>
      <polygonPoint>
        <pointLongitude>25.2600000</pointLongitude>
        <pointLatitude>-28.9700000</pointLatitude>
      </polygonPoint>
      <polygonPoint>
        <pointLongitude>25.2600000</pointLongitude>
        <pointLatitude>-16.9600000</pointLatitude>
      </polygonPoint>
      <polygonPoint>
        <pointLongitude>11.7200000</pointLongitude>
        <pointLatitude>-16.9600000</pointLatitude>
      </polygonPoint>
    </geoLocationPolygon>
  </geographicCoverage>
</geographicCoverages>
```

collectionMode

da|ra 3.1

```

<collectionModesFree>
  <collectionModeFree>
    <language>de</language>
    <modeFree>Telefonische Befragung mit standardis
  </collectionModeFree>
  <collectionModeFree>
    <language>en</language>
    <modeFree>Telephone survey with standardized q
  </collectionModeFree>
</collectionModesFree>
<collectionModeControlled>1</collectionModeControlled>

```

da|ra 4.0

```

<collectionModes>
  <collectionMode>
    <collectionModeControlled>Interview.FaceTo
  <collectionModesFree>
    <collectionModeFree>
      <language>en</language>
      <freetext>computer-assisted person
    </collectionModeFree>
  </collectionModesFree>
</collectionMode>
</collectionModes>

```

Controlled Vocabularies

```
<?xml version="1.0" encoding="UTF-8"?>
<!--
  Version 1.0 - 2011
  Version 3.1 - 2014-11
  Version 4.0 - 2017-03
-->
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns="http://da-ra.de/schema/kernel-4" >
  <xs:simpleType name="availabilityControlled" id="availabilityControlled">
    <xs:annotation>
      <xs:documentation xml:lang="en">Conditions governing the access to the resource.</xs:docu
    </xs:annotation>
    <xs:restriction base="xs:string">
      <xs:enumeration value="Download"/>
      <xs:enumeration value="Delivery"/>
      <xs:enumeration value="OnSite"/>
      <xs:enumeration value="NotAvailable"/>
      <xs:enumeration value="Unknown"/>
    </xs:restriction>
  </xs:simpleType>
</xs:schema>
```


Controlled Vocabularies

```
<?xml version="1.0" encoding="UTF-8"?>
<!--
  Version 1.0 - 2011
  Version 3.1 - 2014-11
  Version 4.0 - 2017-03
-->
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns="http://da-ra.de/schema/kernel-4" targetNamespace="http://da-ra.de/schema/kernel-4" >
  <xs:simpleType name="licenceControlled" id="licenceControlled">
    <xs:annotation>
      <xs:documentation>Creative Commons</xs:documentation>
    </xs:annotation>
    <xs:restriction base="xs:string">
      <xs:enumeration value="CC0.1.0">
        <xs:annotation>
          <xs:documentation>Public Domain CC0 1.0 Universal</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="PublicDomainMark.1.0">
        <xs:annotation>
          <xs:documentation>Public Domain Mark 1.0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="CC.BY-NC-ND.4.0">
        <xs:annotation>
          <xs:documentation>Creative Commons Attribution-NonCommercial-NoDerivatives 4.0 International License</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="CC.BY-NC.4.0">
        <xs:annotation>
          <xs:documentation>Creative Commons Attribution-NonCommercial 4.0 International License</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:schema>
```

Next presenter:

- Brigitte Hausstein

da|ra XML import
_ _ X



**Registration agency for
social and economic data**

Url of API-Endpoint

User name

Password

A log file will be created in the chosen directory. Make sure to copy it to another place after the process is finished to avoid overwriting it with the next upload.

Register immediately?

powered and copyright by
www.da-ra.de

The screenshot shows a web browser window titled "da|ra XML import". The page features the da|ra logo and the text "Registration agency for social and economic data". There is a button labeled "Open dialogue to browse for directory" and a text input field containing "C:\Users\din...". Below this are fields for "Url of API-Endpoint" (http://dara-test.gesis.org/dara/study/importXML), "User name" (soep), and "Password" (masked with dots). A checkbox labeled "Register immediately?" is checked. A blue "Send to da|ra" button is at the bottom. A notification dialog box titled "Upload started" is overlaid on the right, containing an information icon and the text: "Your files currently get processed to be sent to the API. It will be done soonish! Check the log file for potential errors, which might've occurred." with an "OK" button.

The screenshot shows a web browser window titled "da|ra XML import". The page features the da|ra logo and the text "Registration agency for social and economic data". There is a button labeled "Open dialogue to browse for directory" and a text input field containing "C:\Users\di...". Below this are fields for "Url of API-Endpoint" (http://dara-test.gesis.org/dara/study/importXML), "User name" (soep), and "Password" (masked with dots). A checkbox labeled "Register immediately?" is checked. A large blue button at the bottom says "Send to da|ra".

Overlaid on the right side of the browser window is a small dialog box titled "Upload finished". It contains an information icon (i) and the text: "Your files got processed and valid ones were uploaded to your resources. Check the log file for potential errors, which might've occurred." There is an "OK" button at the bottom right of the dialog.

At the bottom of the browser window, it says "powered and copyright by www.da-ra.de".

The screenshot shows a Windows File Explorer window with the following table of files:

Name	Änderungsdatum	Typ	Größe
daraAPI_log.txt	24.08.2017 15:15	Textdokument	20 KB
testupload.1.0_1.xml	03.08.2017 13:24	XML-Dokument	54 KB
testupload.1.0_2.xml	24.08.2017 15:15	XML-Dokument	52 KB

The overlaid text editor window, titled 'daraAPI_log.txt - Editor', contains the following log text:

```

Datei Bearbeiten Format Ansicht ?
-----
Importing started at: Thu Aug 24 15:15:37 CEST 2017
-----
File name: testupload.1.0_1.xml
Status: HTTP/1.1 500 Internal Server Error
Response body:
-----
Entire Status: HttpResponseProxy{HTTP/1.1 500 Internal Server Error [Server: nginx, Date: Thu, 24 Aug 2017 13:15:38
-----
File name: testupload.1.0_2.xml
Status: HTTP/1.1 201 Created
Response body: 10.5072/4865.512331d
-----
Importing finished at: Thu Aug 24 15:15:47 CEST 2017
2 file(s) were processed
1 file(s) successfully registered through the API
0 file(s) failed to be uploaded through the API
    
```