

## RSS Feed Specifications – Video-Metaportal unterrichtsvideos.net | Version 1.0 (19.03.2019)

This manual contains specifications of a rss feed used to exchange metadata between channel providers (e.g. like ProVision) and metaportal.

### CHANNEL Specifications. General information about video provider / channel

Tag	Specification	Description	Example
--- tags by rss specification ---			
title	TEXT	Channel title	ProVision
link	LINK	Channels absolute URI	https://www.wvu.de/provision/
description	TEXT	Channel description	Videoportal ProVision der WWU Münster   learning professional vision
language	RSS	Channels main language	de-de
copyright	TEXT	Copyright info	Copyright 2018 ProVision
pubDate	DATE RSS	Date: First published	Wed, 26 Sep 2018 10:34:44 +0200
lastBuildDate	DATE RSS	Date: Last changed/modified feed	Wed, 26 Sep 2018 10:36:44 +0200
image	RSS	Channel logo with required RSS 2.X elements: „URL“, „Title“, „Link“  URI to JPEG, PNG, GIF	<image> <title>ProVision</title> <url>https://www.wvu.de/provision/logo.png</url> <link>https://www.wvu.de/provision/</link> </image>
--- custom tags ---			
channel_version	• 1.0	Specification version of channel	1.0

### ITEM Specifications – Meta Data. Each video or clip is represented by a unique item.

Tag	Specification	Description	Example
--- tags by rss specification ---			
title	CDATA	Main title of video	<![CDATA[Satz des Pythagoras – 3. Doppelstunde]]>
link	TEXT (LINK)	Direct URI to video/item page (= ID)	https://www.wvu.de/video.html
description	CDATA	Long description of video content	<![CDATA[In dieser Doppelstunde wird eine Unterrichtsreihe zum Thema...]]>
language	RSS	Main language of video / item	de-de
copyright	TEXT	Individual video copyright info	Studiumdigitale, GU Frankfurt
pubDate	DATE	Date: First published	Wed, 26 Sep 2018 10:34:44 +0200
lastBuildDate	DATE	Date: Last changed/modified video	Wed, 26 Sep 2018 10:36:44 +0200
--- custom tags ---			
parent_id	CDATA (Separated values LIST) <i>separated by vertical bar: value   value</i>	List of video links (IDs: parent) **	<![CDATA[<a href="(Link to child1 video item)">Link description</a>   <a href="(Link to child1 video item)">Link description</a>]]>
child_id	CDATA (Separated values LIST) <i>separated by vertical bar: value   value</i>	List of video links (IDs: child) **	<![CDATA[<a href="(Link to child1 video item)">Link description</a>   <a href="(Link to child1 video item)">Link description</a>]]>
subtitle	CDATA	Subtitle of video item	<![CDATA[Zieht ein Magnet überall gleich stark an?]]>
teaser	CDATA	Short teaser description of clip/video	<![CDATA[Dieser Clip enthält XY...]]>
video_image	TEXT (HTTPS-LINK)	Video preview image, URI to JPEG, PNG, GIF	https://www.uni-muenster.de/ProVision/teaserbild.jpeg
video_duration	(HH:MM:SS)	Total video length	01:12:23
video_resolution	(PixelWidth)x(PixelHeight)	Maximum video resolution in Pixel	1280x720
use_restrictions	TEXT (Separated values LIST) <i>separated by vertical bar: value   value</i>	Restrictions of use (see table) ***	G1:1   G2:2   G6:3
use_restrictions_label	CDATA	Descriptive restrictions of use (human readable)	<![CDATA[abrufbar nur für Studierende der LMU München]]>
focus_of_analysis	TEXT (Separated values LIST) <i>separated by vertical bar: value   value</i>	Suggested focus of analysis	Sprachsensible Lernunterstützung   Klassenführung
materials	TEXT (Separated values LIST) <i>separated by vertical bar: value   value</i>	List of material available to view or download at channel for specific video / item	Lehrmaterialien   Verlaufsprotokoll   Schülermaterialien   Transkript   Unterrichtsverlaufsplan
camera_perspective	TEXT (Separated values LIST) <i>separated by vertical bar: value   value</i>	Camera perspective of video / POV	Lehrerkamera   Schnittversion   Totale
lecture_activities	TEXT (Separated values LIST) <i>separated by vertical bar: value   value</i>	(Pupil) Activities to be viewed in lecture phases	Gruppenarbeit   Bewegungseinheit   Schülerpräsentation
lecture_phase	TEXT (Separated values LIST) <i>separated by vertical bar: value   value</i>	List of lecture phases to be viewed in video	Einstiegsphase   Erarbeitungsphase   Reflexionsphase

lecture_type	<ul style="list-style-type: none"> <li>• Unterrichtsreihe</li> <li>• Unterrichtsstunde</li> <li>• Unterrichtsausschnitt</li> <li>• Interview</li> <li>• Inszenierte Videoaufnahme</li> <li>• Sonstige Videos</li> </ul>	Lecture type  Multiple lecture types separated by vertical bar: value   value <i>(order does not matter)</i>	Unterrichtsstunde
school_type	<ul style="list-style-type: none"> <li>• Vorschule</li> <li>• Grundschule</li> <li>• Hauptschule</li> <li>• Realschule</li> <li>• Gesamtschule</li> <li>• Gymnasium</li> <li>• Förderschule</li> <li>• Privat- und Ersatzschulen</li> <li>• Sekundarschule</li> <li>• Berufliche Bildung</li> <li>• Sonstige Schulformen</li> </ul>	Type of School  Multiple type of schools separated by vertical bar: value   value <i>(order does not matter)</i>	Grundschule
grade	<ul style="list-style-type: none"> <li>• Vorschule</li> <li>• 1</li> <li>• 2</li> <li>• 3</li> <li>• 4</li> <li>• 5</li> <li>• 6</li> <li>• 7</li> <li>• 8</li> <li>• 9</li> <li>• 10</li> <li>• 11</li> <li>• 12</li> <li>• 13</li> <li>• Nicht zutreffend</li> </ul>	Grade  Multiple grades separated by vertical bar: value   value <i>(order does not matter)</i>	5
subject	<ul style="list-style-type: none"> <li>• (Alt-)Griechisch</li> <li>• Bildende Kunst/Kunst/Kunsterziehung</li> <li>• Biologie</li> <li>• Chemie</li> <li>• Deutsch</li> <li>• Englisch</li> <li>• Erdkunde/Geographie</li> <li>• Ethik/Religionskunde</li> <li>• Ev. Religion</li> <li>• Französisch</li> <li>• Geschichte</li> <li>• Informatik</li> <li>• Italienisch</li> <li>• Kath. Religion</li> <li>• Latein</li> <li>• Mathematik</li> <li>• Musik</li> <li>• Philosophie</li> <li>• Physik</li> <li>• Russisch</li> <li>• Sachunterricht</li> <li>• Sozialkunde/Politik</li> <li>• Spanisch</li> <li>• Sport</li> <li>• Wirtschaft/Verwaltung/Recht</li> <li>• Berufliche Fachrichtungen</li> <li>• Sonstiges</li> <li>• Fachübergreifender Unterricht</li> </ul>	Subject *  --  Naturwissenschaften = „Fachübergreifender Unterricht“  Körperpflege = „Berufliche Fachrichtungen“  Energie und Umwelt (Maschinenbau) = „Berufliche Fachrichtungen“  Freiarbeit = „Sonstiges“  --  Fachübergreifender Unterricht: If multiple subjects feed should at least contain: „Fachübergreifender Unterricht“  Multiple subjects separated by vertical bar: value   value <i>(order does not matter)</i>	Deutsch   Chemie   Fachübergreifender Unterricht  or  Fachübergreifender Unterricht  or  Mathematik
references	CDATA (+ BibTex Specifications)	BibTex Markup	<![CDATA[@book{book, author = {The author}, title = {The title}, publisher = {The publisher}, year = {The year}, address = {The address}, isbn = {1234567890123} }]]>

#### Legend:

Orange	Required by RSS 2.X
Green	Required by Metaportal, Open naming
Blue	Required by Metaportal, Closed naming
Grey	Optional to Provide

#### Rules for Feed and Content:

- Absolute URIs in all tags / No relative URIs
- HTTPS only for URI with image or other content, exceptions may apply for linking to a website
- DATE must conform RSS 2.0 specifications
- Listed tags above must be defined only once
- Unicode+007C "Pipe"-Char: | including spaces before / after char used to separate fields with multiple values *(order of values does not matter)*

Note: There can be more tags in the rss feed than specified above which will be ignored while parsing by metaportal. The order of tags as listed above is not mandatory and can be modified. Make sure all required fields are included in the feed, only tags declared as optional can be omitted.

## \* Subject

If there is more than one subject, list all of them and also make sure to include "Fachübergreifender Unterricht" too. Make sure each subject term matches a closed naming tag, so e.g. instead of "Freiarbeit" the RSS feed should contain "Sonstiges" (compare with list above at field specification).

## \*\* Parent / Child Logic

To publish linked videos and to show a simple parent/child logic, the channel provider can maintain a list of URIs pointing to parent video or childs. If ID is a parent, there should be a list of childs (child\_id). Every ID which is a child should have a parent\_id link. If ID is not a parent, child\_id can be omitted.

## \*\*\* Table / Scheme of use\_restrictions field – Example and explanation:

The use\_restrictions field defines access possibilities for a concrete video item and specific pre-defined user groups as listed below (G0 – G7). For each of those groups an access level can be specified after a colon. User groups with no access (access level = 0) can be omitted in field value.

Example: use\_restrictions = G1:1 | G2:2 | G6:3

		User Group							
Group Number / G#		0	1	2	3	4	5	6	7
Value	Access Level	Sonstige	Lehramts-studierende	Lehrkräfte im Vorbereitungsdienst	Hochschul-lehrende der 1. Phase des Lehramts	Lehrende in der 2. Phase	Lehrende in der 3. Phase	Lehrkräfte	Unterrichts-forscher
0	No access	0	1	2	0	0	0	3	0
1	Local access								
2	Trust network access								
3	Global access								
Results in mapping of		State	University	State	University	State	State	State	University

### Definition of "access level"

Value	Access Level	Description	Effect on Metaportal filter
0	No access	(self-explanatory)	Video won't be displayed when this user group is selected
1	Local access	Based on the rss providers location and specified user group either university or state related to the channel / provider will automatically be mapped.  Example: ProVision is provided by WWU Münster: Depending on a specific user group which has level 1 (local access) to the video, the related state = NRW or university = WWU Münster will be mapped as access possibility to that specific video item.	Video will be displayed when selected location is identical to location of university (provider) or it's related state (depending on user group)  Only location of specific rss provider / video portal / channel will be mapped
2	Trust network access	All universities and states contributing to Metaportal which are Trust Network partners (cooperation contract)	Video will be displayed if any cooperation university or it's related state (depending on user group) is selected in filter
3	Global access	Wide user range access possibility (e.g. all <u>verified legitimated</u> SSO users). This level results in mapping each university or state in Metaportal filter.	Video will be displayed on Metaportal whatever the user selects as user group and location in filter on search page.

### Example

Example from table above for value of use\_restrictions field if provider is ProVision:

Field: use\_restrictions = G1:1 | G2:2 | G6:3

Note: User groups with no access (access level = 0) can be omitted

Meaning of use\_restrictions value in context of ProVision being the provider of the rss feed:

G1:1 maps local access possibility of group "Lehramtsstudierende" = Only students of "WWU Münster" (channel provider) can view the video

G2:2 maps trust network access possibility of group "Lehrkräfte im Vorbereitungsdienst" = All group members baded in a state related to location of universitys contributing to trust network (cooperation contract) can view the video.

G6:3 maps global access possibility of group "Lehrkräfte" = All group members in all states and universities can view the video.

Remember: You can specify access level for each individual video item but keep in mind that this is just a mapping of descriptive use restriction (of course there's no influence or side effects relating actual access possibilities on your videos if specified incorrectly). The value only affects filter options in metaportal. If unsure follow the premise: Better get the video displayed rather than filtered out. Make use of „use\_restrictions\_label“ field to let users know how they could possibly access the video.