

# Legal integration of the JVMG knowledge graph

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- Our work on the legal integration was first presented at ***Putting Open Social Scholarship Into Practice*** as:
  - Pfeffer, Magnus, Zoltan Kacsuk, Simone Schroff and Martin Roth (2021). Harmonizing Open Licenses among Online Databases of Enthusiast Communities: Challenges Encountered in the Legal Integration of Databases in the Japanese Visual Media Graph Project. Presented online at the *Putting Open Social Scholarship Into Practice: An Implementing New Knowledge Environments (INKE) Partnership & Canadian-Australian Partnership for Open Scholarship (CAPOS) Online Event*, 8-9 December North America time / 9-10 December Australasia time 2021.
- And subsequently published in ***Pop! Public. Open. Participatory.*** as:
  - Kacsuk, Zoltan, Magnus Pfeffer, Simone Schroff and Martin Roth (2022). Harmonizing Open Licenses among Online Databases of Enthusiast Communities: Challenges for the Legal Integration of Databases in the Japanese Visual Media Graph Project. *Pop! Public. Open. Participatory.* no. 4. <https://doi.org/10.54590/pop.2022.005>.

# Overview

- Overview of the legal protection of databases
- Open licensing for databases
- Problems encountered in community database licensing practices
- Solution employed in the JVMG project

# Overview of the legal protection of databases

# Database parts and legal protection

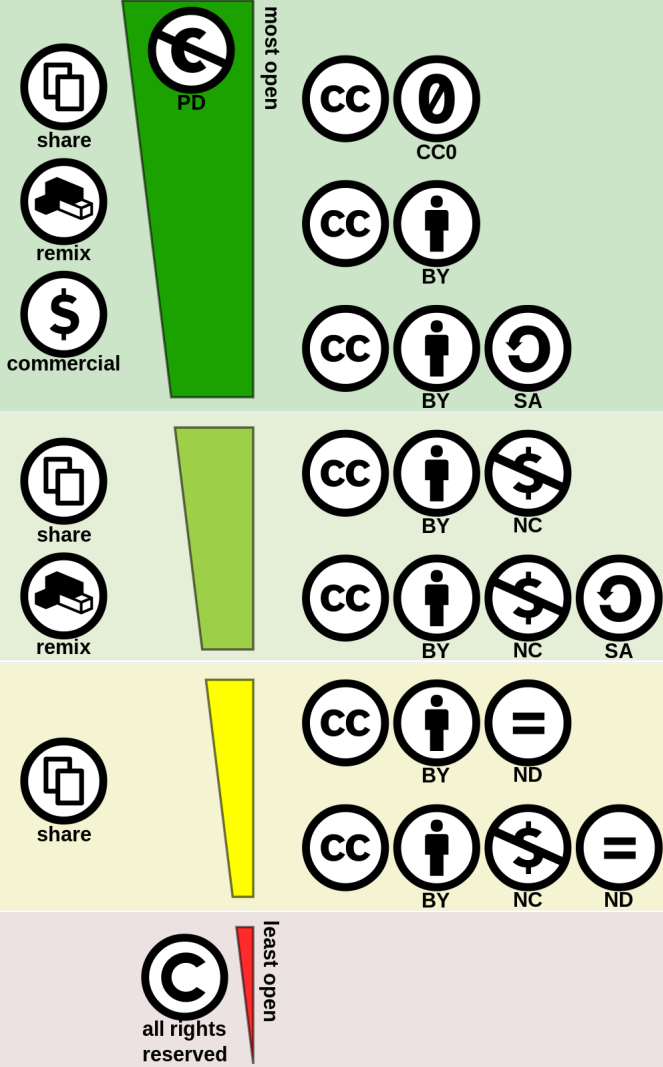
Database part	Protection type			
	EU	Japan	US	International general
<b>Database structure: original</b>	Copyright	Copyright	Copyright	Copyright
<b>Database structure: non-original</b>	Sui generis database rights	-	-	-
<b>Database field labels</b>	Copyright	Copyright	Copyright	?
<b>Database content elements</b>	Copyright except for facts and information	Copyright except for facts and information	Copyright except for facts and information	Copyright except for facts and information

# Database parts and legal protection

Database part	Protection type			
	EU	Japan	US	International general
Database structure: original	Copyright	Copyright	Copyright	Copyright
Database structure: non-original	Structural data			-
Database field labels	Copyright	Copyright	Copyright	?
Database content elements	Copyright except for facts and information	Copyright except for facts and information	Copyright except for facts and information	Copyright except for facts and information

**BUT: all elements can also fall under contractual requirements**

# Open licensing for databases



Creative Commons (CC) licenses

## Open Data Commons Open Database License (ODbL)

### Free to:

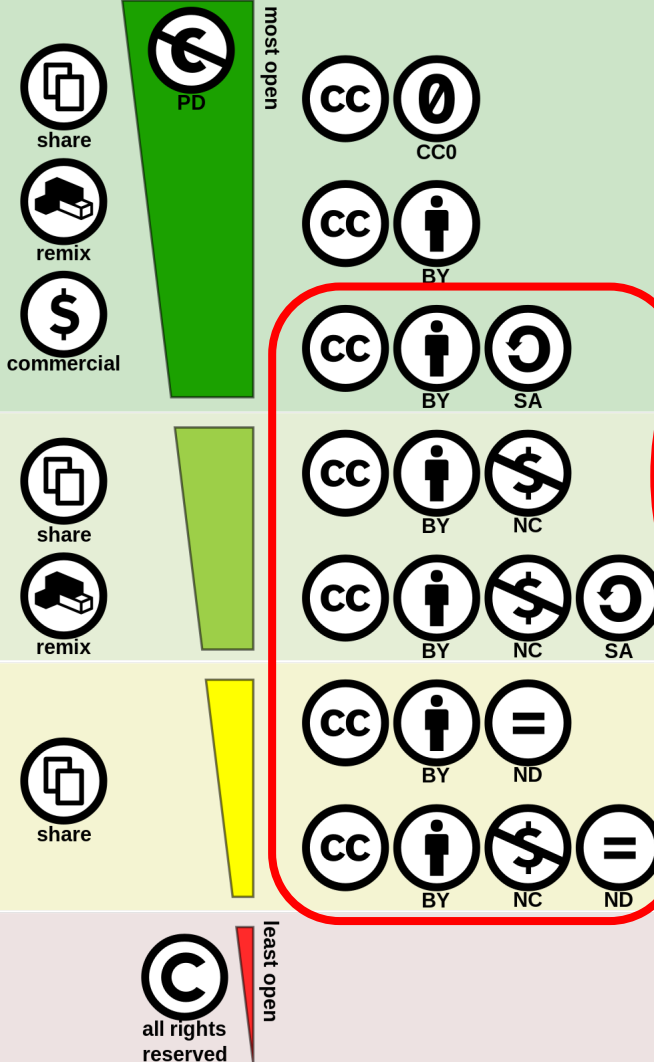
- Share
- Create
- Adapt

### Requirements:

- Attribute
- Share-Alike
- **Keep open**

**Creates contractual obligation on reuse**





**Cannot be combined!**

**Open Data Commons Open Database License (ODbL)**
















Free to:

















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- Create
- Adapt

Requirements:

- Attribute
- Share-Alike
- **Keep open**

**Creates contractual obligation on reuse**

	 PUBLIC DOMAIN	 PUBLIC DOMAIN	 BY	 BY SA	 BY NC	 BY ND	 BY NC SA	 BY NC ND
 PUBLIC DOMAIN	✓	✓	✓	✓	✓	✗	✓	✗
 PUBLIC DOMAIN	✓	✓	✓	✓	✓	✗	✓	✗
 BY	✓	✓	✓	✓	✓	✗	✓	✗
 BY SA	✓	✓	✓	✓	✗	✗	✗	✗
 BY NC	✓	✓	✓	✗	✓	✗	✓	✗
 BY ND	✗	✗	✗	✗	✗	✗	✗	✗
 BY NC SA	✓	✓	✓	✗	✓	✗	✓	✗
 BY NC ND	✗	✗	✗	✗	✗	✗	✗	✗

	 PUBLIC DOMAIN	 PUBLIC DOMAIN	 BY	 BY SA	 BY NC	 BY ND	 BY NC SA	 BY NC ND
 PUBLIC DOMAIN	✓	✓	✓	✓	✓	✗	✓	✗
 PUBLIC DOMAIN	✓	✓	✓	✓	✓	✗	✓	✗
 BY	✓	✓	✓	✓	✓	✗	✓	✗
 BY SA	✓	✓	✓	✓	✓	✗	✗	✗
 BY NC	✓	✓	✓	✓	✓	✗	✓	✗
 BY ND	✗	✗	✗	✗	✗	✗	✗	✗
 BY NC SA	✓	✓	✓	✗	✓	✗	✓	✗
 BY NC ND	✗	✗	✗	✗	✗	✗	✗	✗

**Even CC licenses have  
limits to being composable  
with each other**

# Problems encountered in community database licensing practices

# Range of approaches to copyright

- **Lack of awareness of / Disregarding** copyright issues
  - Everything copyright protected
- The **CC** approach
- **Copyleft**
  - ODbL
  - CC
- **Unique licenses** (open or closed)
  - E.g. end user license agreements

# Things that can go unnoticed

- Copyright of **individual contributions** (e.g. descriptions, summaries, reviews, etc)
- **Compatibility** of various license types

Solution employed in the JVMG project

# Need to understand what the communities want to protect themselves against

- **Wholesale copying** of their work
- **Traffic subverted** from their sites
- **Lack of acknowledgment** of their work



# Licensing needs of the JVMG project

- The license has to be **open**
- Finding the **lowest common denominator**:
  - **BY-SA** vs. **Non-commercial** vs. **ODbL**
- Have to **cover all / most jurisdictions**:
  - International sources
  - International users

# The solution employed in the JVMG project

- **CC BY-NC-SA 4.0**
  - 4.0 explicitly covers databases
  - Easier to ask for a non-commercial licence from more open projects than the other way around
  - Fully international
- **Separate licenses from communities**
  - Only for parts used in the JVMG database
- **Not using data elements** that could fall under individual copyright claims

# Overview of JVMG project data sources

Data source	License	Compatibility with the CC BY-NC-SA 4.0 license
Anime Characters Database	-	CC BY-NC-SA 4.0 license provided for the JVMG project by <b>individual agreement</b> for the parts used in each case
AnimeClick	-	
The Visual Novel Database	ODbL	
Media-Arts Database	CC BY 4.0	<b>yes</b>
Wikidata	CC0	<b>yes</b>
AniDB (publicly available anime titles data dump only)	CC BY-NC-SA 4.0	<b>identical</b>

# Thank you for your attention!

Get in touch at: [kacsuk@hdm-stuttgart.de](mailto:kacsuk@hdm-stuttgart.de)

Visit our project website:

<https://jvmg.iuk.hdm-stuttgart.de/>

Visit the JVMG database:

<https://mediagraph.link/>