

Licensing of research outputs



Korbinian Bösl Data management coordinator Centre for Digital Life & ELIXIR Norway 06 June 2024

Objectives

? Questions

- What is intellectual property/copyright/derivative work?
- What is free software/data?
- What types of licenses exist?

! Objectives

- Get familiar with terminology around licensing
- Discuss what is and is not derivative work

Intellectual property rights (IPRs)

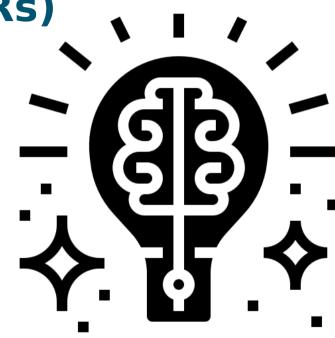
Patent: Protects novel, non-obvious, inventions

Copyright: creative products: software, writing, figures, photos, some datasets, this presentation

Database directive

Trademark: Protects a name/brand

Trade Secrets



CC-BY 3.0 Wichai.Wi

Intellectual property rights (IPRs)

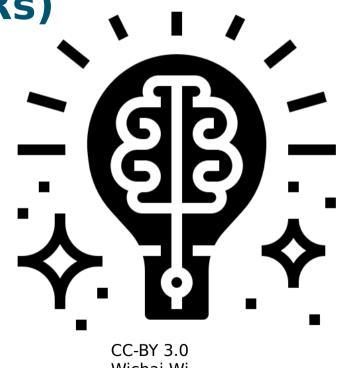
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Wichai.Wi

IPR often regulated in work contract

Patents in Europe

Active process

No prior disclosure

Apply only in limited geographical scopes

Fees (varying by business size and scope)

Apply for max 20 years after application

Software patents in Europe

(it's complicated)

The European Patent Convention states that software is not patentable. in contrast with e.g. the US

The European Patents Office (EPO) grants software patents by declaring them as "computer implemented inventions".

Erosions: VICOM 1986, COMVIK 2002, ML guidelines 2018, Bentley 2021

Copyright in Europe

Creative products: software, writing, figures, photos,...

Details for software: Directive 2009/24/EC

Applies by default

Does not apply for facts

Economic rights vs. moral rights

Author lifetime + 70 years

Example WIPO: Genetic data

Raw sequence does not have copyright

Processed data might have

Patenting unaffected

Special consideration regarding traditional knowledge (Nagoya protocol)

EU Database directive

Defined additional (sui generis) IPR for:

"collection[s] of independent works, data or other materials [that does not fall under copyright] arranged in a systematic or methodical way and individually accessible by electronic or other means"

15 years by default

Licensing

A licensor may grant a license under intellectual property laws to authorize a use (such as copying software or using a patented invention) to a licensee, sparing the licensee from a claim of infringement brought by the licensor.



Legal security for users (Accessibility) +

Funder requirement





Legal security for users (Accessibility) +

Funder requirement

Increase of willingness to reuse outputs

(Reusability)





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Waive all your interest that may exist in your work

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Credit for the original creation

Waive all your interest that may exist in your work



Credit for the original creation

License new creations under identical terms

Waive all your interest that may exist in your work



- Credit for the original creation
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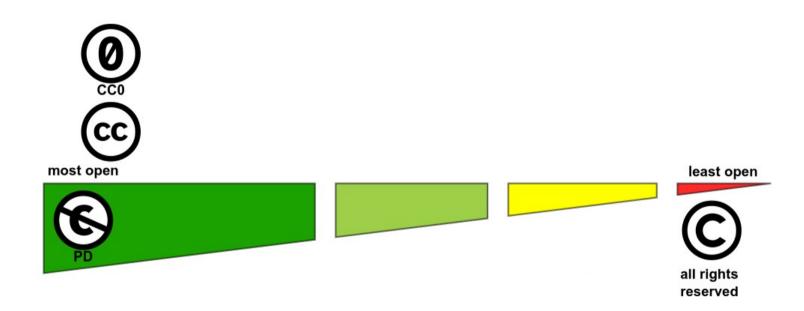
Non-commercial

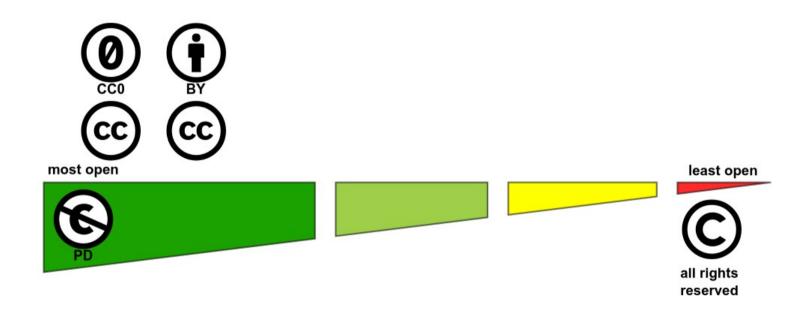
Waive all your interest that may exist in your work

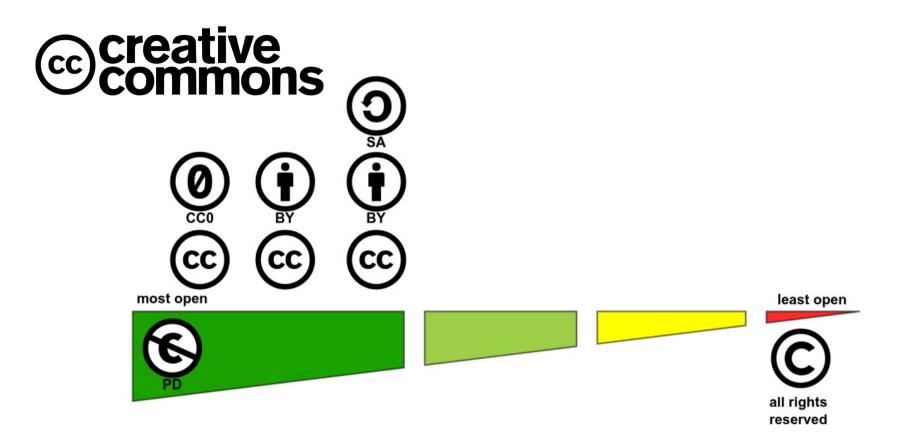
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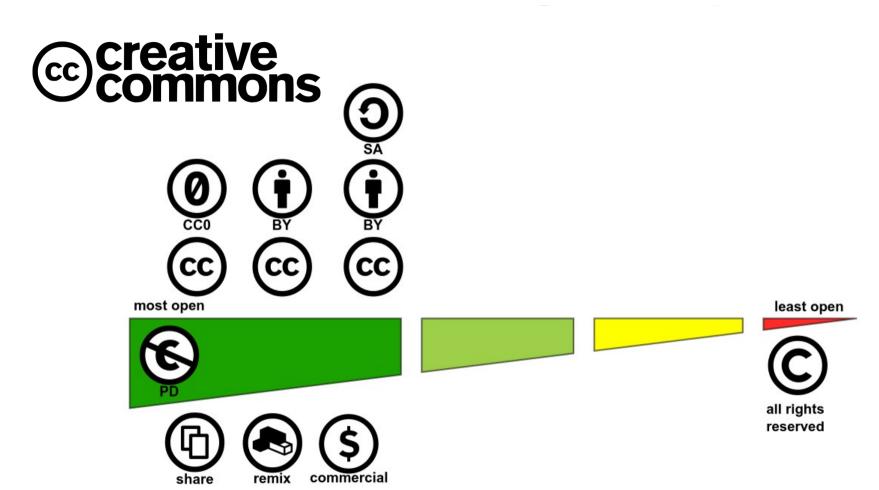
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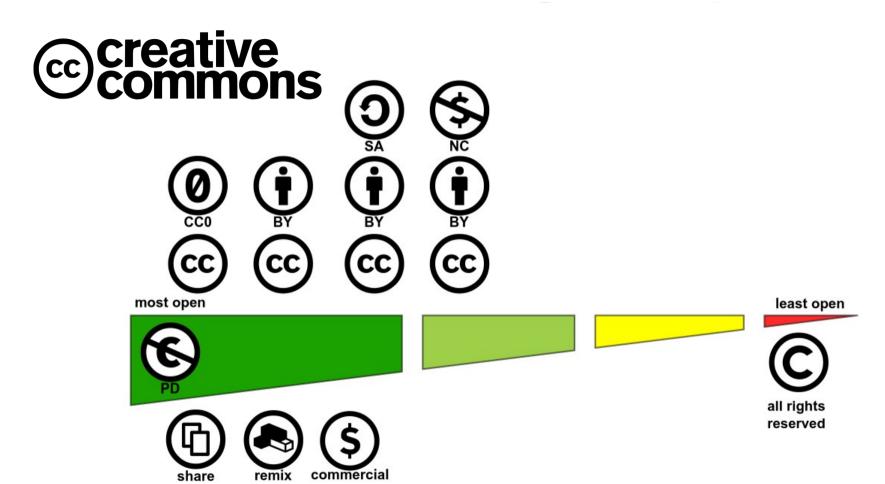


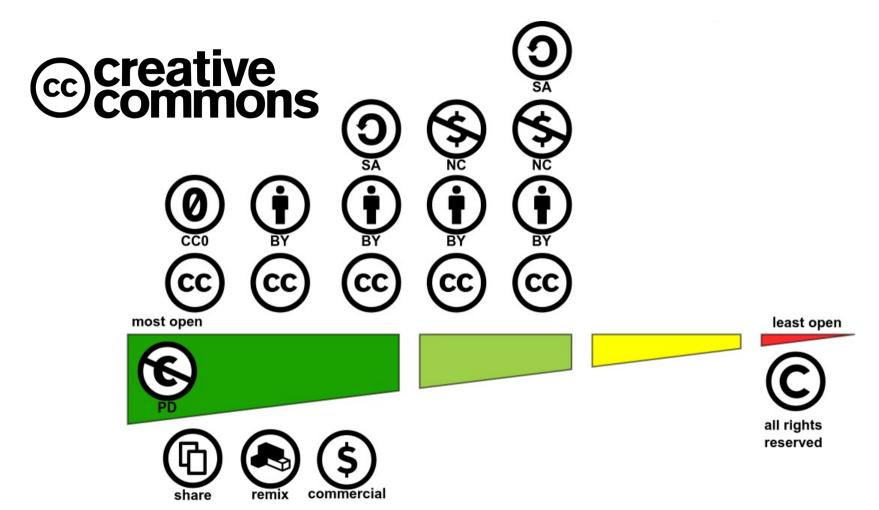


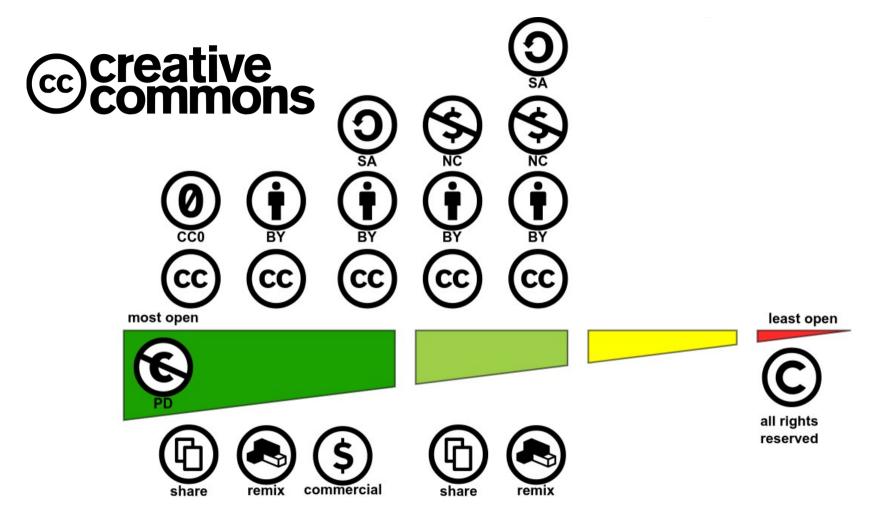


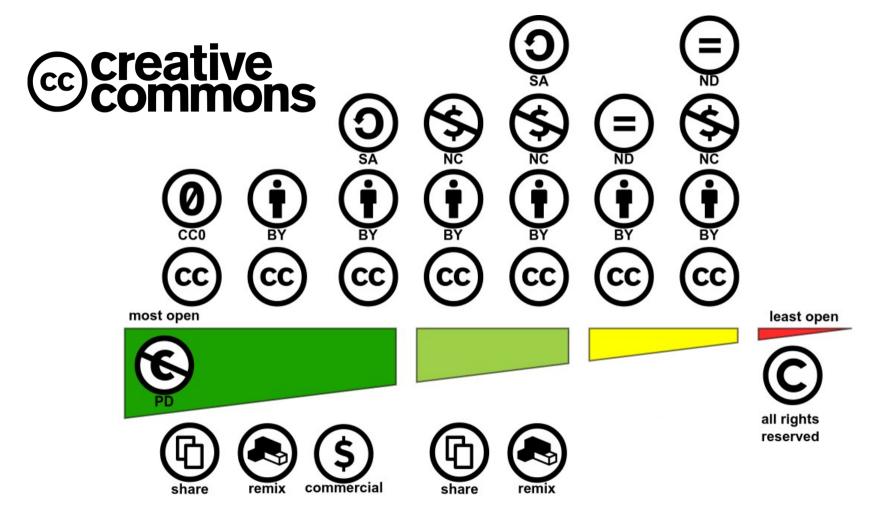


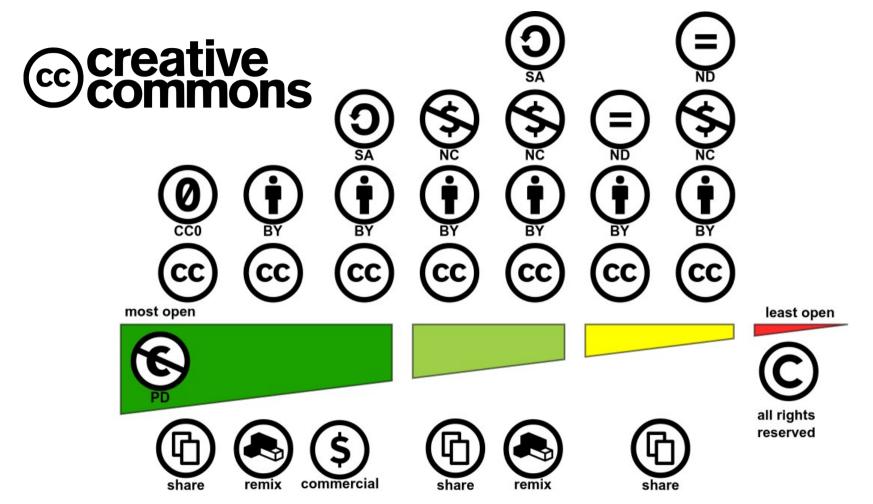






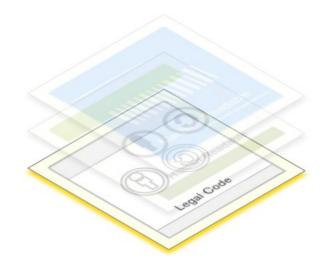




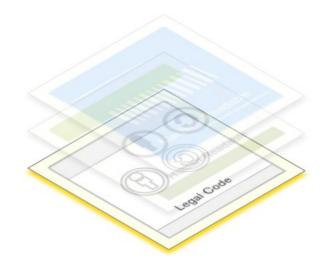
















Human readable, understandable text





Human readable, understandable text

Machine readable html tag attachable to metadata



Who to use this in practise?



Creative Commons - What is licensed?

Nathan Yergler, Alex Roberts - Who is to be attributed?

Licensed to the public under CC BY 3.0 Unported - Which license?







Multiple Attributions for several sources

(license stacking)







Multiple Attributions for several sources

(license stacking)

Multiple incompatible source licenses











(license stacking)



Multiple incompatible source licenses

Legal commercial definition (e.g. use by









(license stacking)



Multiple incompatible source licenses



Legal commercial definition (e.g. use by



Open Data Commons

Databases are different to simple data (e.g.

EU-copyright)



Open Data Commons

Databases are different to simple data (e.g.



Open Data Commons Public Domain

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Special considerations for Software

Liability

Warranty

Modifications

Network use = Distribution?



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Indices & Controlled vocabularies



License List - maschine readable IDs

on file level

SPDX-License-Identifier: MIT



Approved Licenses - also EC definition of open source license

Permissive

MIT BSD

Permissions Conditions Limitations Commercial use License and copyright notice Liability Distribution Warranty Modification Private use

weak

Copyleft

LGPL MPL

Permissions Conditions Disclose source Distribution Liability License and copyright notice Modification Same license (library) Patent use State changes

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- Patent use
- Private use

Conditions

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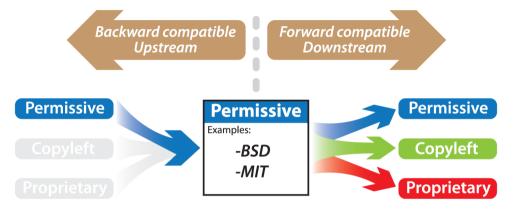
Limitations

- Liability
- Warranty

Icon CC-BY 4.0 http://software-carpentry.org; Image unchanged from https://choosealicense.com/

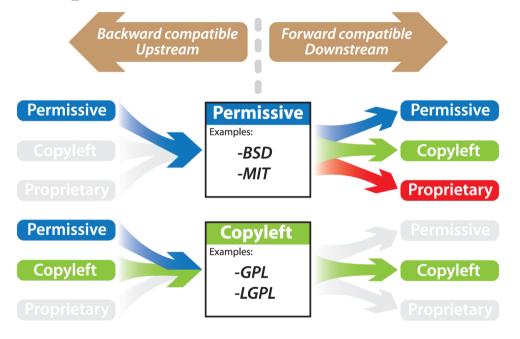


Open Source Software



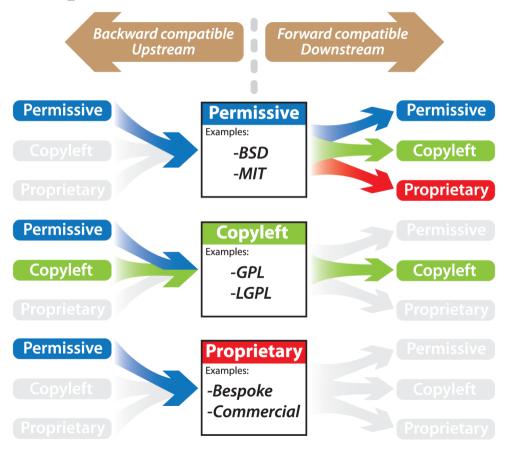


Open Source Software





Open Source Software



Does it hold in court?

Yes!

CREATIVE COMMONS ATTRIBUTION-SHAREALIKE LICENSE ENFORCED IN GERMANY

by mike

The Creative Commons Attribution-ShareAlike 3.0 Unported license (BY-SA) has been enforced by a judicial injunction in Germany. Legal analysis will be added to our <u>case law database</u> in the coming days. Till Jaeger <u>reported the case</u> (in German; <u>English machine</u>

DO

Alway add a (standard) license

Ideally: File level license indication

Be aware of the IPR situation of the code you DON'T

(re-)use

Compliance monitoring

Costs of data management

Data analysis

Data brokering

Data management coordination

Data management plan

Data organisation

Data security

Data sensitivity

Data provenance

Data publication

Data quality

Data storage

Data transfer

Documentation and metadata

Ethical aspects

Existing data

GDPR compliance

Identifiers

_icensing

Machine actionability





Link to RDMkit:

https://rdmkit.elixir-europe.org/

Next:

Digital Life 2021: Know-how workshop on IPR in digital biotech

Data life cycle: Sharing | RDMkit

Your tasks: Licensing | RDMkit

EUDAT license chooser for data and software

Choose a License



CodeRefinery workshop March 12-14 and 19-21, 2024

https://coderefinery.org/



Thank you!

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