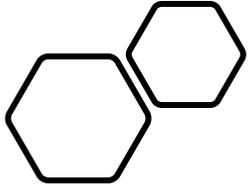


Ethics of Scientific Conduct



Today's programme



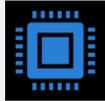
--- Copyright and authorship

Which results are covered by copyright?

Authorship and Co-Authorship

Author and his Employer

Plagiarism – difference between scientific plagiarism and copyright plagiarism



---- IP Rights to software

Computer programme as IP, rights to other elements of software

License and right to use the software

Adaptation and De-Compilation of a computer program

Open source software

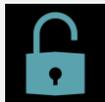


----- Data and database rights

Rights to primary and secondary data

Database as IP

Protection of information



----- General responsibility towards society

Fundamental human right to knowledge and access to information

Duty to disclose publicly funded research

Open access vs Proprietary means of distribution

Open repositories, Open data, , Open-Access, Open-Source, Public Licenses

Copyright and Authorship

Copyrighted work

- Unique result
- Creative element
- Natural person

➤ **Creative substance**

- Expressed in a way that can be perceived

➤ **Objective expression**

Copyright

Moral rights to the work

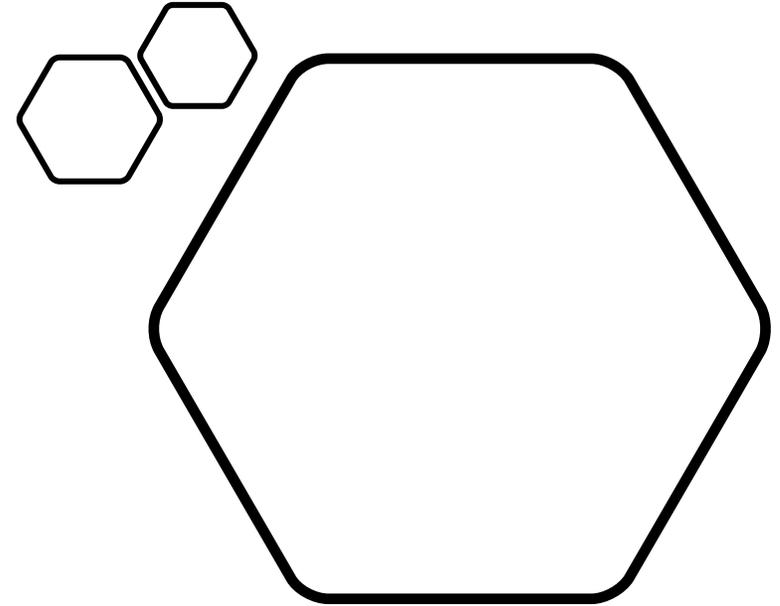
- Part of your „personality“ cannot be sold (in some European countries)
- right to claim authorship
- object to any distortion, modification of, or other derogatory action which would be prejudicial to the author's honor or reputation

Economic rights to the work

- Rights to benefits from your creativity
- Prevent anybody else to use work

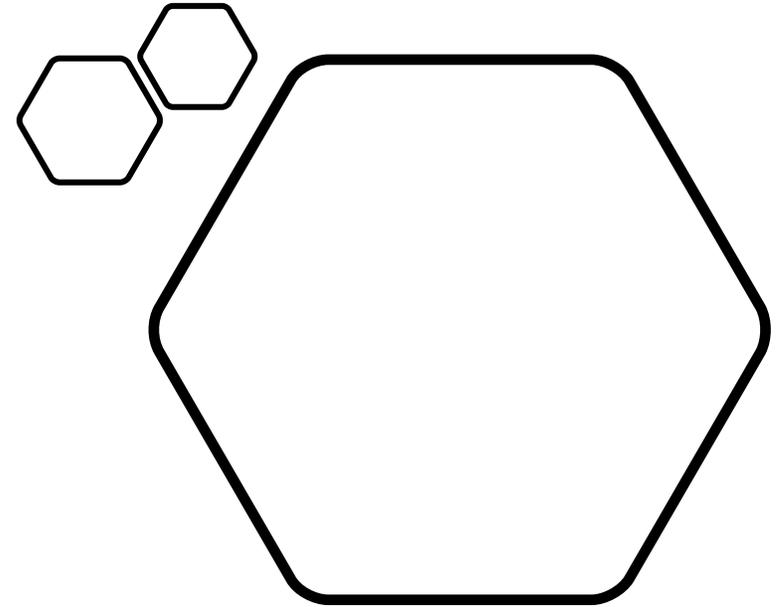
What is copyrighted?

- It really depends on the nation
 - Harmonisation through international treaties
 - Berne Convention, WIPO Copyright treaties, WTO



WIPO gives examples of what is protected in most countries

- literary works (novels, poems, newspaper articles)
- computer programs, databases;
- films, musical compositions, artistic works, drawings, photographs,
- architecture
- advertisements, maps, and technical drawings.





Berne convention (mother of all copyright treaties) - 1886

- **Minimum standards** of protection
 - works, protection must include "every production in the literary, scientific and artistic domain, whatever the mode or form of its expression"
- **National treatment**
 - Each state grants foreign works same treatment as national works
- Copyright is the **need to require authorisation** to „use“ the work
 - „Use“ is a technical term, has to be defined by law
 - Positive list of „uses“ that require authorisation

What does it mean to „USE“, (typical examples)

the right to translate,

the right to make adaptations and arrangements of the work,

the right to perform in public dramatic, dramatico-musical and musical works,

the right to recite literary works in public,

the right to communicate to the public the performance of such works,

the right to broadcast,

the right to make reproductions in any manner or form,

the right to use the work as a basis for an audiovisual work

Summary

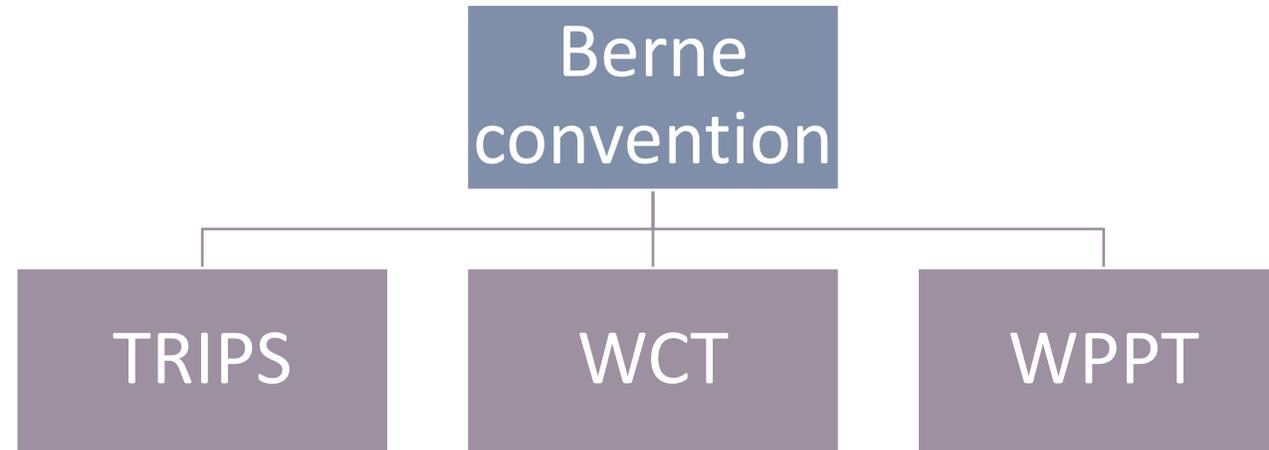
Each country has at least two „positive“ lists:

- What is considered as „protected work“
- What is considered as „use“

Most countries have the third list

- Exceptions

International treaties



European framework

Directive 87/54/EC protection of semiconductor topographies

Directive 93/83/EEC satellite and cable

Directive 2001/84/EC on the resale right

Directive 2006/115/EC on rental right and lending right and on certain rights related to copyright

Directive 2011/77/EU on the term of protection of copyright and certain related rights

Directive 2012/28/EU on certain permitted uses of orphan works

Directive 2009/24/EC on the legal protection of computer programs

Directive 96/9/EC on the legal protection of databases

Directive 2001/29/EC on the harmonisation of certain aspects of copyright in the Information society

Directive 2019/790/EU on copyright and related rights in the Digital Single Market

Authorship

Author

- Originator – the one who gives existence
- Creative input + effort
- If two authors reach the same work independently the Copyright belongs to the first in line (usually).
- One work cannot have two authors, but can have co-authors

Co-Authors VS Collection of works

Co-Authorship means that the contributions to the final result cannot be perceived independently

- Both/all co-authors receive equal rights to the final work

Collection of independent elements does not equal to co-authorship

- The person who collects many works can get a separate right to a collection

The Prophet's Song

Written by Brian May
Oh all people of the earth
Listen to the morning
The angel he said
Beside the storm that gathers here
Listen to the wind rain.

I dreamed I saw an immortal star
Shedding his light on the midnight there
A man who could for a lone glow alone
And the cold hearts of oblivion knew
I watched as fate took the old man's gaze
Hopes of the young in troubled years
I see no day, I heard his say
So give us the face of every mortal.

Oh all people of the earth
Listen to the morning
The prophet he said
For none the cold of night will fall
Surrounded by your own hand.

Oh all children of the land
Quicker to the new life
Take my hand
Fly and find the new green hough
Victims like the white dove.

The tale of death in a stone white haze
Taking the last and the unloved days
Later too late all the sorceries over
These kings of beasts now counting their days
From mother's love is the not estranged
Married his own his precious girls
The earth will shake in two will break
And death at midnight will be your dowry.

Oh all people of the earth
Listen to the morning the angel he said
For those who hear and mark my words
Listen to the gold flies.

Oh all -- and fly by two my heaven say --
They'll be
raining for to come
raining for to come
out of the rain.

Fix for your life
Who have me say, let all your treasure make you
Free for your life.
Because you not the first of hell will take you
Should death want you.

God give you grace to purge this place
And justice of around may be your fortune.

Oh all children of the land
Love is still the answer take my hand
The river flows, a voice I hear
"Listen to the Madhouse!"

But still I hear and still I dare not
Laugh at the Madhouse.

Toy Kites -- Brian May



Written by Brian May
Love of my life -- you've built me,
You've broken my heart and now you leave me.
Love of my life can't you see,
Bring it back, bring it back.
Don't take it away from me, because you don't know --
what it means to me.

Love of my life don't leave me,
You've taken my love, you now desert me.
Love of my life can't you see,
Bring it back, bring it back.
Don't take it away from me, because you don't know --
What it means to me.

You will remember --
When this is blown over
And everything's all by the way --
When I grow older
I will be there at your side to remind you
How I still love you -- and love you.

Back -- hurry back,
Please bring it back here to me,
Because you don't know what it means to me --
Love of my life
Love of my life --

Harry -- Brian May

Good Company

Written by Brian May

Take good care of what you've got
My father sold to me.
As he pulled his lips and took it,
He dangled on his knee
Don't put with faith what I can't see
Keep of Good Company
Oh Moo-Oh Moo
Take care of those you call your own
And keep Good Company.

Soon I grew and happy too
My very good friends and me
We'll play all day with Sully.
The get from number four
And very soon I begged for another
Keep me Company
Oh Moo-Oh Moo
Come every one for evermore we'll
Be Good Company.

New marriage is an attraction sure
My wife and I our needs put nothing near
All my friends by a year
By and by disappointment
But wife took enough behind our door.

I dabbled in my hand's trade
My reputation grew
The work demanded my waking hours
But when my time was through
Ahead of all my efforts my own
Landed Company.

I hardly noticed Sully in me
Parted Company
All through the years in the end it appeared
There was never really anyone but me.

Eric
Freddie Mercury: vocals, guitar, Keyboard, Deceptively and more words.
Brian May: guitars and co-lead of Jackdaws.
Roger Taylor: percussion
John Deacon: drums, bass.
Awarded in love, love of love, Olympic
Anchors, Scarpa, Triton and Caratstone
Mind as Love Scales
Kevlarite children's regaining -- Gary Lynn
Equipment's perfection -- John Harris
Art Director -- David Goss
Special thanks to Phil Gorn & Brian Fisher
Managers (1975) -- John And
Carroll Queen Management -- Jim Beach

No Synthesizer

Original sound recordings made by Queen in 1974 - 1975



My life's a story
Take care of those you call your own
And keep Good Company
Words -- Brian May
Guitarist: Roger Taylor
Guitar: John Deacon -- Brian May

Bohemian Rhapsody

Written by Freddie Mercury

Is this the real life?
Is this just fantasy?
Caught in a landslide
No escape from reality
Open your eyes
Look up to the skies and see --
I'm just a poor boy, I need no sympathy --
Because I'm easy come, easy go
A little high tide goes
Anytime the wind blows, doesn't really matter to me,
-- at me --

Mama, just killed a man,
Put a gun against his head,
Aimed my finger, now he's dead,
Mama, he did just like me
But now I've gone and done it all myself --
Mama, see --
Didn't mean to make you cry --
If I've ever loved you, please don't cry --
I'm not home again, the time has come --
Carry on, carry on, as if nothing really matters --

No one, no one has ever,
Really loved me before --
Body's cooling, all the time,
Goodbye everybody -- I've got to go --
Gotta leave you all behind and face the truth --
Mama, see --
I don't want to die,
I sometimes wish I never been born at all --

I see a little silhouette of a man
Scattered all over the floor --
The floorboards and the light -- very very frightening me --
Galloo, Galloo,
Galloo, Galloo,
Galloo Galloo -- Magician --
I'm just a poor boy, nobody loves me --
He's just a poor boy from a poor family --
Spare him his life from this mess --
Gotta come easy go -- will you let me go --
Dumbass! No -- we will not let you go -- let him go --
Dumbass! No -- we will not let you go -- let him go --
Will not let you go -- let me go --
Will not let you go -- let me go --
No, no, no, no, no, no, no --
Mama, see, remember me, always me, let me go --
Dumbass! But a devil got inside for me, for me --
-- at me --

So you think you can save me and get in my eye --
So you think you can love me and know me to die --
Oh baby -- Can't do this to me baby --
Just gotta get out -- just gotta get right next to me --
Nothing really matters,
Anyone can see,
Nothing really matters -- nothing really matters to me,
Anytime the wind blows...
Opera's Works -- Roger Taylor and Freddie



Rights of an
employer/invest
or



Employee keeps Moral rights



Employer/Investor utilizes
Economic rights



Authorship and Plagiarism

Academic and Legal perspective

What cannot be copyrighted



Laws of nature
(Discovery)



Mathematical
principles



Abstract ideas



Scientific theories

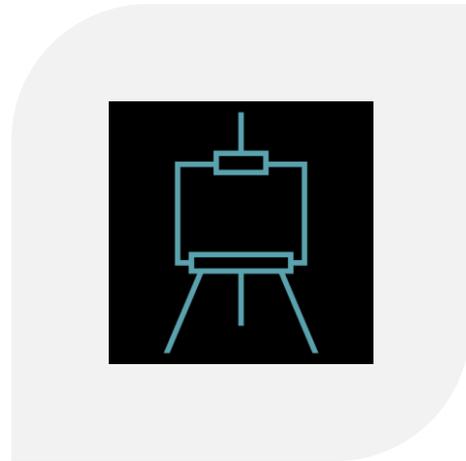


Factual Information

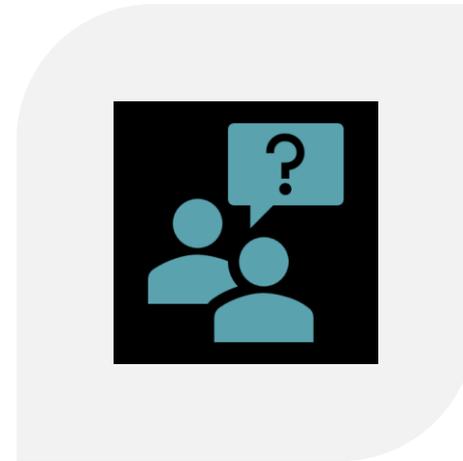


Anything that has
not been
expressed.

The fundamental difference



COPYRIGHT PROTECTS THE
„EXPRESSION“



ETHICS PROTECTS THE
„IDEA“

Who is the Author?



ACCORDING TO LAW – THE PERSON
WHO WROTE (TYPED) THE TEXT



ACCORDING TO RESEARCH ETHICS- THE
PERSON WHO HAD AN IDEA AND
CONTRIBUTED EFFORT

What is Plagiarism?



ACCORDING TO LAW
USING SOMEONES WORK WITHOUT AUTHORISATION



ACCORDING TO RESEARCH ETHICS-
NOT GIVING CREDIT

Citation

Copyright

- Using (unsubstantial) part of someone's work
- It is allowed for research and teaching purposes
- Must be proportionate and not detrimental to the Author's interests

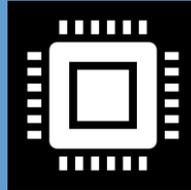
Research ethics

- Giving somebody credit for the contribution on which you build your research

Right to software and computer programs

Module 2

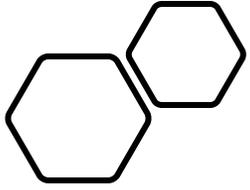
Computer program



machine-readable instructions



direct a computer to perform
specific operations



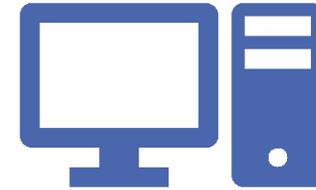
Software vs. Program



Software

Broader definition

Program, Data, Documentation,



Program

Machine language

Low level programming language (i.e. Assembler)

High level programming language

- Compiler

Coding, Programming, Engineering

System engineering

discipline concerned with Hardware and Software



Software engineering

discipline that is concerned with all aspects of software production



Programming

comprehensive process from formulation of a problem to executable programs



Coding

A specific activity during implementation of a program

Required Legal tools

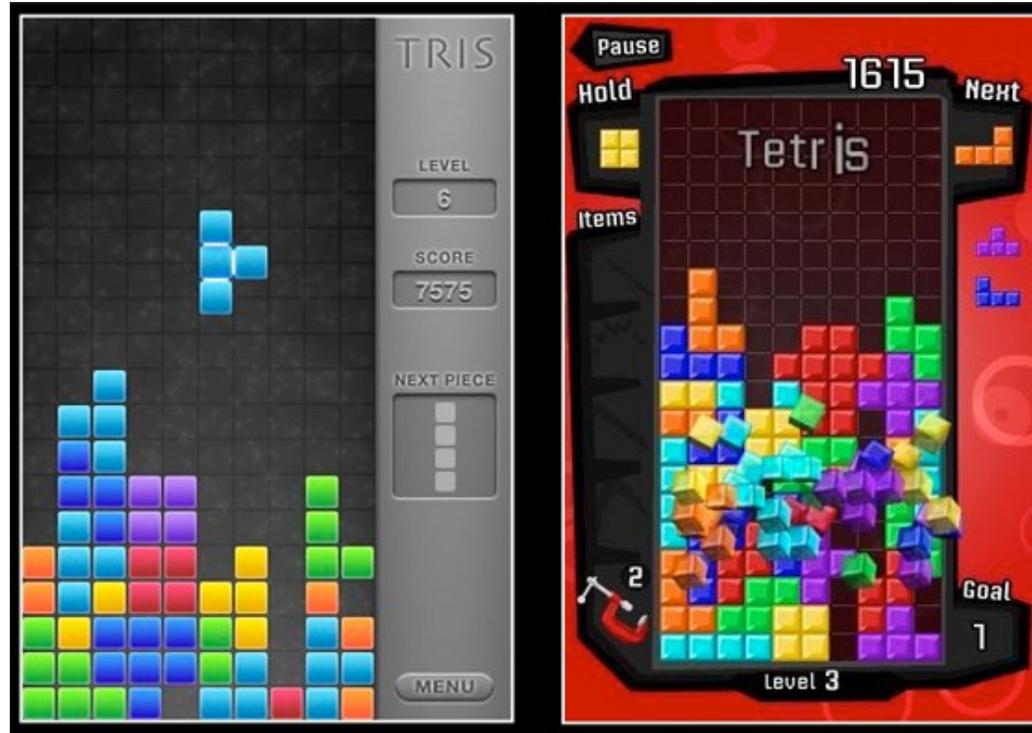
What does market need?

What to protect ?

- IDEA
- FUNCTION
- GUI
- BRAND

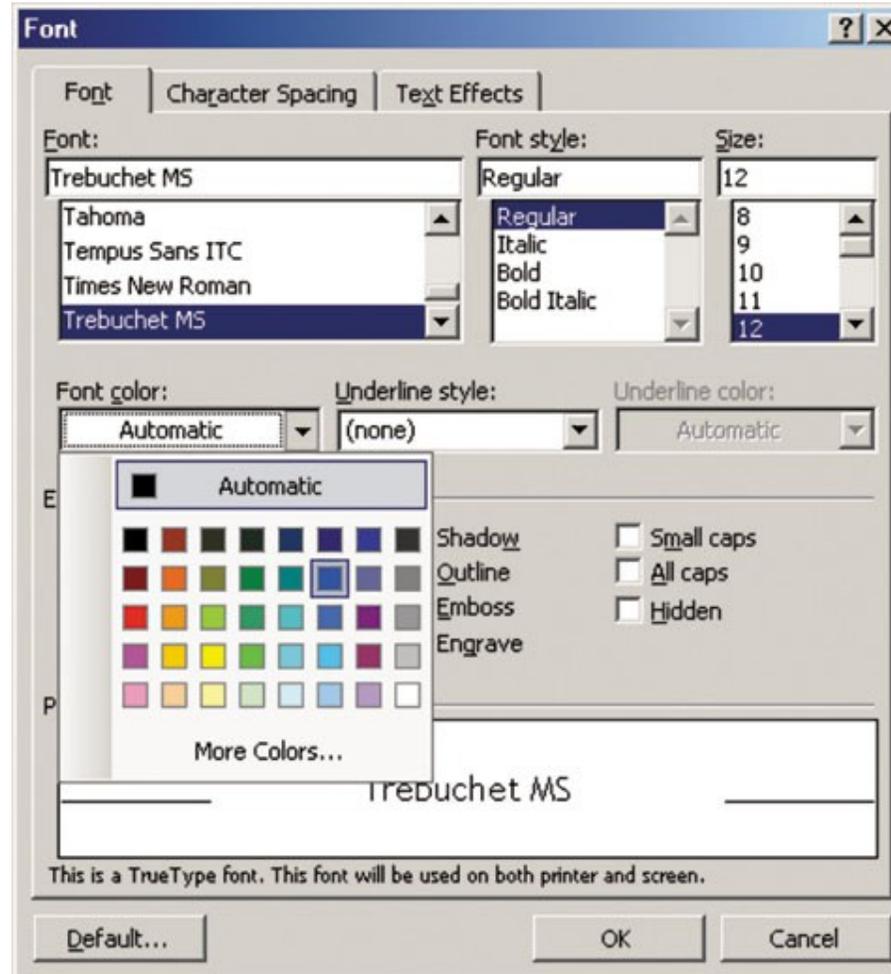
What to protect ?

- IDEA
- FUNCTION
- GUI
- BRAND



What to protect ?

- IDEA
- **FUNCTION**
- GUI
- BRAND



What to protect ?

- IDEA
- FUNCTION
- **GUI**
- BRAND



What to protect ?

- IDEA
- FUNCTION
- GUI
- **BRAND**

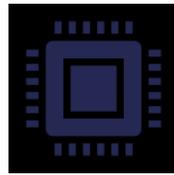


Main objectives:



Create a market

Software as a „product“ or „service“



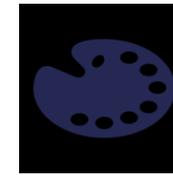
Renumerate software producers

Software as intellectual property



Promote rights of a customer/consumer

Software as a liability

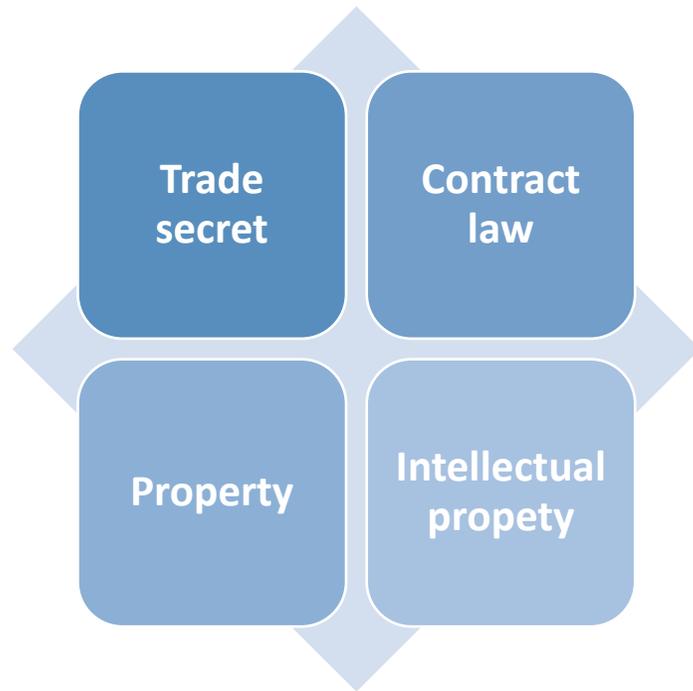


Promote progress in creative art?

Software as a greater good

Software market

How to communicate value in a market?



Further Issues

- Employee-employer relations
- Agency agreements

Remuneration of software producers

Incentive

- License fee vs. Salary
- Company vs. programmer

Protection of

- Code
- Graphic user interface
- Idea

Legal tools for producers



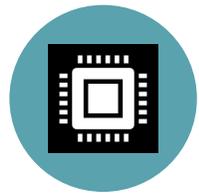
Copyright



Patent



Trade secret



**DRM – software
protection tools?**



**Other specific IP
rights?**

Further questions

Protection of confidentiality and source code

Software patents

- Distinction between individual countries
- EU perspective

Free software concept and rules

Practical skills in contract writing EULA, SLA

Competition law perspective

Software Market

Generic copy/Service in cloud/Individual solution



Software Products

Generic products

Customized products

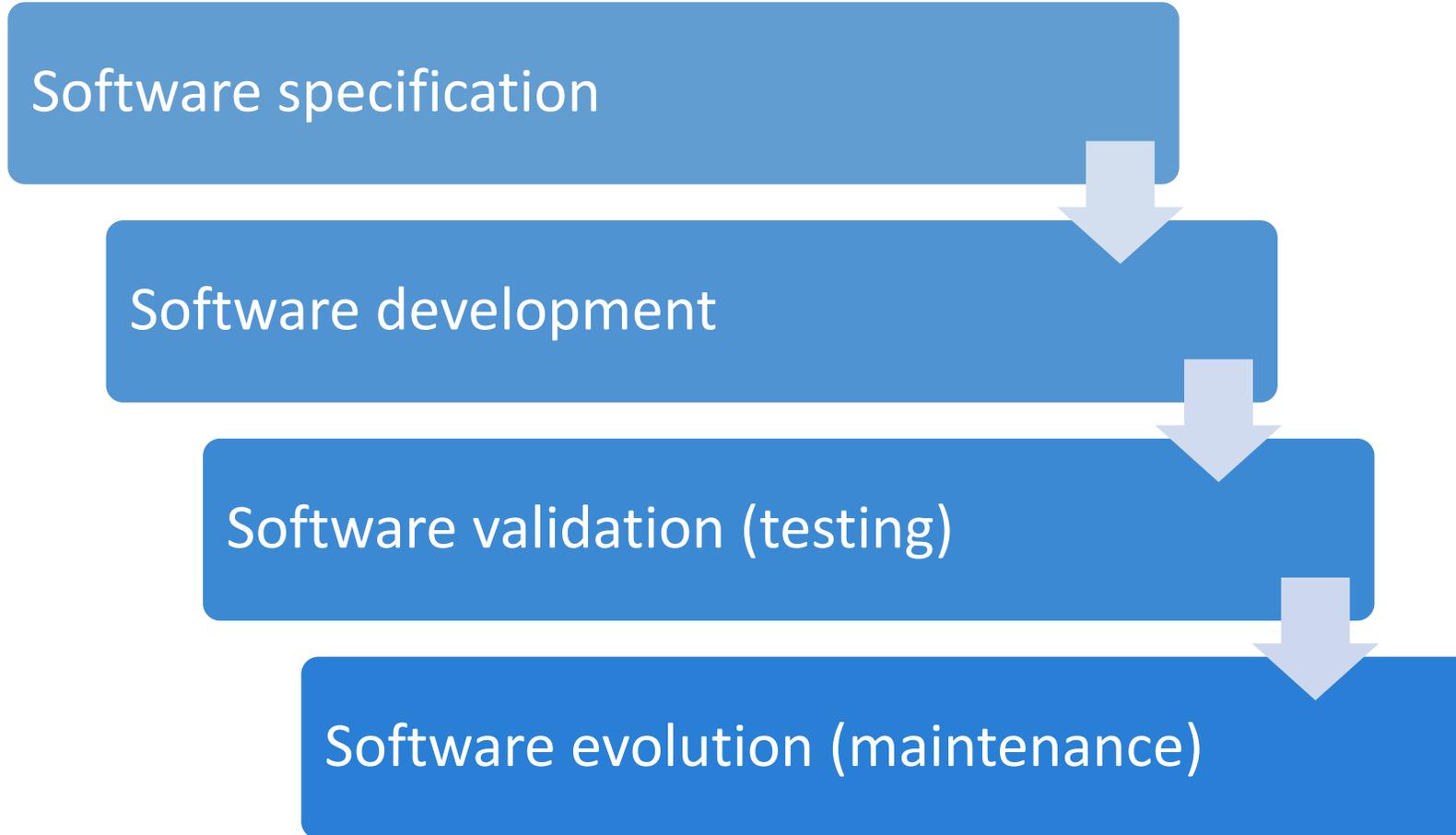
Four Fundamental activities

Software specification

Software development

Software validation (testing)

Software evolution (maintenance)



Computer programs Directive (EU)

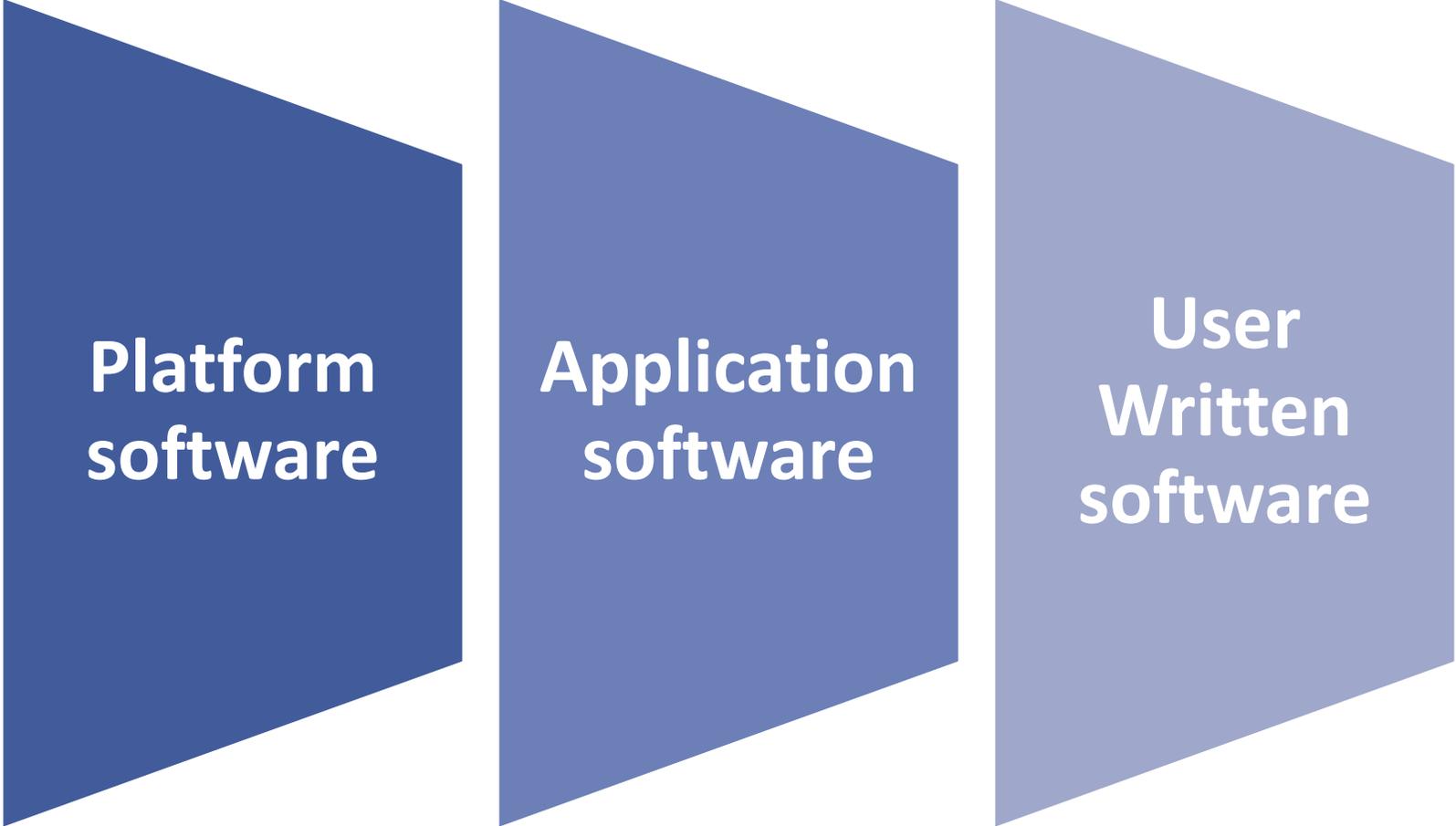
computer program

shall include programs in any form:

- generic software
- customized software
- incorporated into hardware
- preparatory design work

Architecture of software

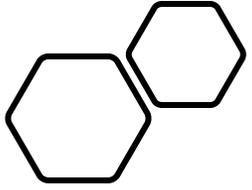
- law does not make this distinction



Platform
software

Application
software

User
Written
software



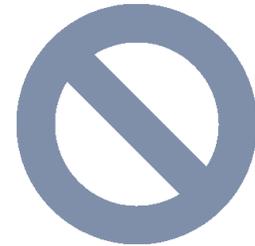
How is the program protected?



by copyright,



as literary works within the
Berne Convention



Applies to expression in
any form

Copyright to computer
program

What is protected?

YES

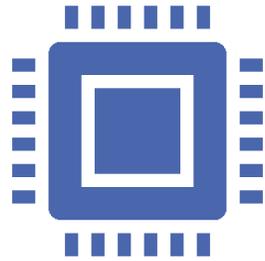
- the expression of a computer program
- Binary Code
- Source code

No

- Ideas
- Principles
- Logic,
- Algorithms
- Programming languages

- Originator – the one who gives existence
- Creative input + effort
- If two authors reach the same work independently the Copyright belongs to the first in line (usually).
- One work cannot have two authors, but can have co-authors

Original Work?



**A computer program shall be protected
if it is original**

no tests as to the qualitative or aesthetic merits



Author

Individual

Group

Company

Co-Authors VS Collection of works



Co-Authorship means that the contributions to the final result cannot be perceived independently

Both/all co-authors receive equal rights to the final work



Collection of independent elements does not equal to co-authorship

The person who collects many works can get a separate right to a collection

Cooperation – Who owns the work ??

**Joint
cooperation**

- Joint ownership

**Collective
work**

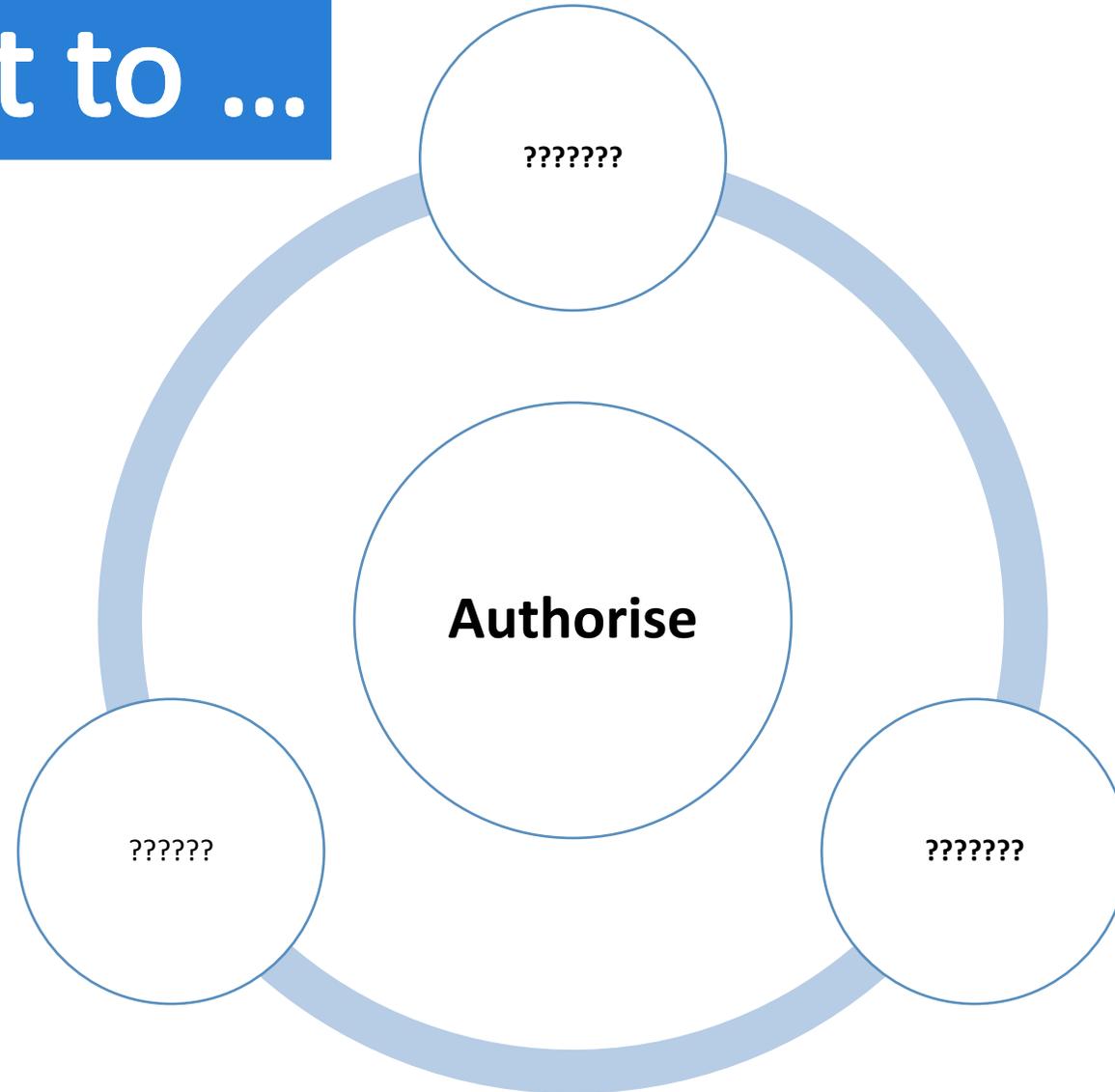
- Usually the leading person

Employee

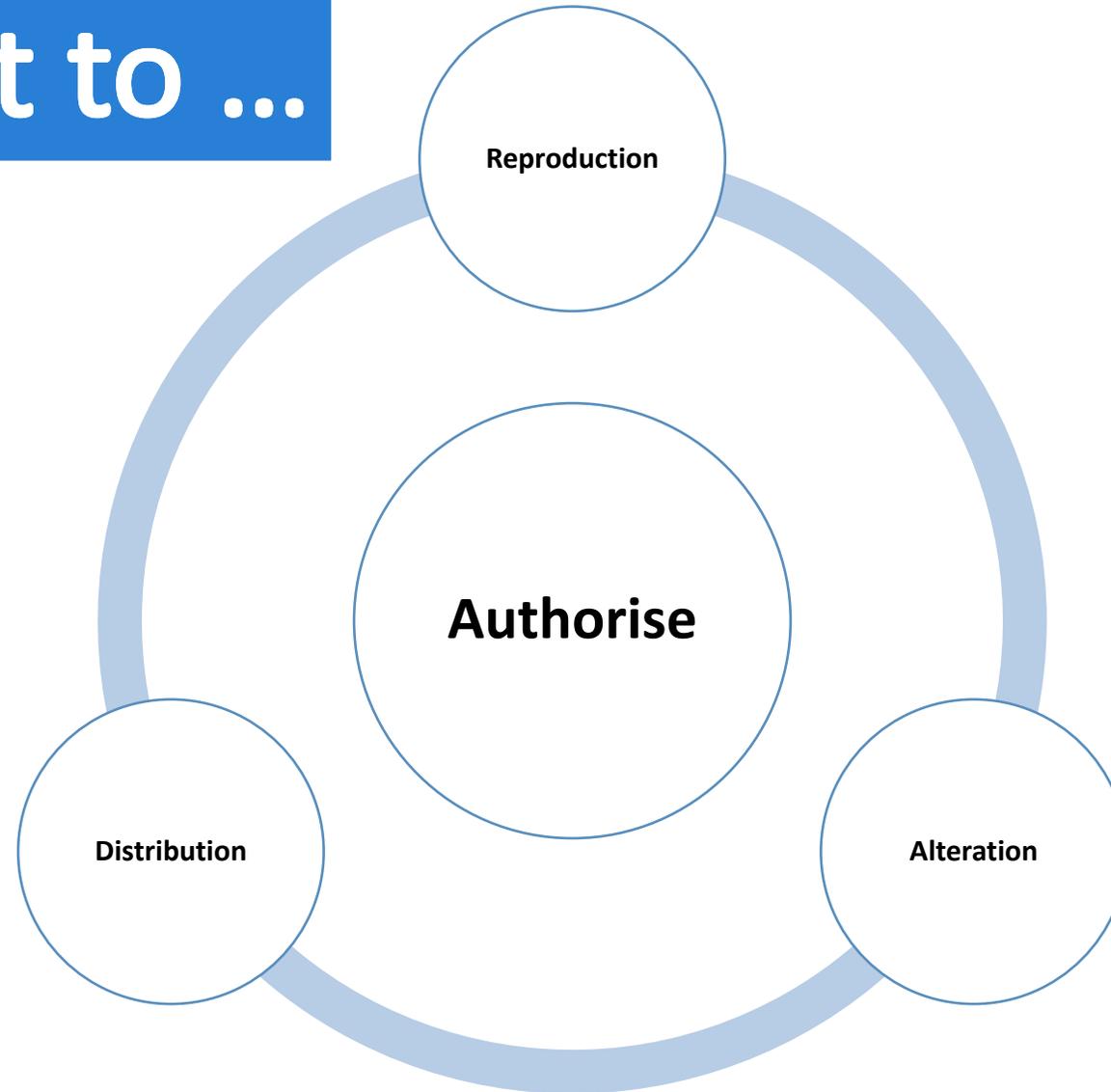
- Employer

What is the benefit of the authorship to a program?

Right to ...



Right to ...



Rights for geeks – adapting the computer program to your needs

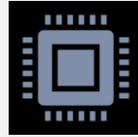
- The unauthorised adaptation is an infringement
 - Exemption - to achieve the interoperability with other program
 - Back-up copy is permitted
 - Right to observe, study or test the functioning of the program

Decompilation

When it is permitted



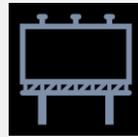
Right to use a copy program



Needs it for interoperability



It is necessary (not available otherwise)



Not for purposes of creating similar product

Decompilation is possible when

- Right to use a copy program
- Needs it for interoperability
- It is necessary (not available otherwise)
- Not for purposes of creating similar product

Exhaustion of rights

- The first sale in the Community of a copy of a program by the rightholder ... shall exhaust the distribution right within the Community of that copy,
- with the exception of the right to control further rental of the program or a copy thereof.

CASE LAW



SAS software - C-406/10

SAS software - C-406/10

- SAS INSTITUTE
 - developer of analytical software
 - Base SAS – enables users to write their own programs
- WPL
 - Competitor
 - Programmed something identical to Base SAS
 - the same inputs would produce the same outputs
 - Says it is OK to study programme
 - Says it is OK to emulate functionality

Argument of the SAS

- WPL did not have the right to access the source code !
- WPL violated copyrights in manuals
- WPL copied certain „components“ if not the whole program

Court of justice (SAS software)

- to accept that the functionality of a computer program can be protected by copyright would amount to making it possible to monopolise ideas, to the detriment of technological progress
- protection covers only the individual expression of the work and thus leaves other authors the desired latitude to create similar or even identical programs provided that they refrain from copying
- WPL did not make a decompilation, they reproduced functionality

Conclusion no. 1

- Neither the functionality of a computer program nor the programming language and the format of data files used in a computer program ... constitute a form of expression of that program
- and
- as such, are not protected by copyright in computer programs for the purposes of that directive.

CJEU – Licence to explore

A licensee is entitled to observe, study or test the functioning of a computer program in order to determine the ideas and principles which underlie any element of the program.

It is enough to have a license to use

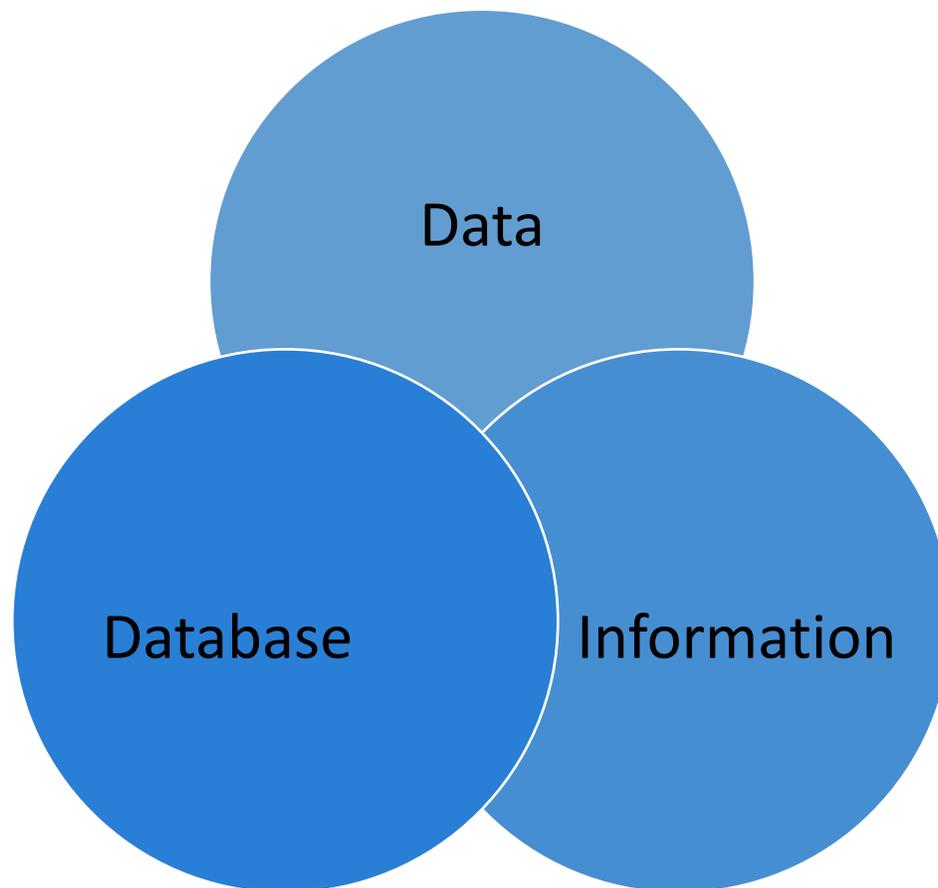
Does not need an expressed license to observe, study and test

Discussion

- If the functionality is not protected by software (comp. Programme directive), is it protected by something else?

Legal protection of data and databases

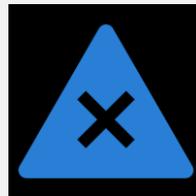
What is the difference



WHO OWNS THE DATA ?



Is a very inaccurate question



Ownership is
possession of the
storage medium

Does not
grant the
exclusive
rights



Better question is “who owns IP
rights to the data”

IP RIGHTS TO THE DATA



Database
Authorship

Protects
creative
input to
collection of
the data



Sui generis
database rights

Protects the
investment

Database

da·ta·base  (dā'tē-bās', dāt'ē-) *Computer Science*

n. also **data base**

A collection of data arranged for ease and speed of search and retrieval. Also called *data bank*.

tr. v. **da·ta·based, da·ta·bas·ing, da·ta·bas·es**

To put (data) into a database.

The American Heritage® Dictionary of the English Language, Fourth Edition copyright ©2000 by Houghton Mifflin Company. Updated in 2009. Published by [Houghton Mifflin Company](#). All rights reserved.

database ('dertē beɪs)

n.

1. (Computer Science) a systematized collection of data that can be accessed immediately and manipulated by a data-processing system for a specific purpose
2. (Communications & Information) any large store of information: *a database of knowledge*.

[Collins English Dictionary – Complete and Unabridged](#) © HarperCollins Publishers 1991, 1994, 1998, 2000, 2003

DATABASE – legal definition

1) Collection of independent elements

2) systematically or methodically arranged

3) Individually accessed

DATABASE AS A
COPYRIGHTED
WORK

What about ...

Více než 35 miliónů snímků, vektorů a videoklipů

Vše, co potřebujete pro svůj tvůrčí projekt. Navíc, to vše bez poplatků při opakovaném použití.

Fotografie Vektory Redakční Ilustrace Ikony Video Music



Procházet snímky
podle kategorií

Abstrakční
Budovy/Památky
Celebrity
Ilustrace/Klipy
Interiéry

Jídlo a pití
Krása/Móda
Lidé
Obchod/Finance
Parky/Outdoor

Pouze uvedený model
Pozadí/Vzory
Příroda
Redakční
Sport/rekreace

Umění
Vektory
Vintage
Znaky/Symboly
Zvířata/Život v divočině



Awarded by European regulation no
96/9/EC



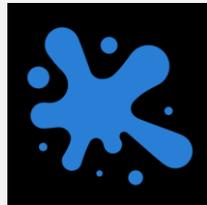
The aim was also to safeguard the
investment of database makers



To ensure that the legitimate interests
of users of information contained in
databases were secured.



Creative input



Sweat of the brow?

Original

- Enjoy copyright protection
- Have creative element

Non-Original

- Lack creative element
- Require substantive investments to produce
- Need sui generis protection

What do we protect

Copyright to
the database

Sui generis
database right

Scope

This Directive concerns the legal protection of databases in any form.

- Electronic
- Non-electronic

Without prejudice to provisions relating to:

- the legal protection of computer programs;
- rental right, lending right and certain rights related to copyright in the field of intellectual property;
- the term of protection of copyright and certain related rights.



Databases which, by reason of the selection or arrangement of their contents, **constitute the author's own intellectual creation shall be protected as such by copyright.**



The copyright protection of databases provided for by this Directive **shall not extend to their contents** and shall **be without prejudice to any rights subsisting in those contents** themselves.

Author

- The author of a database shall be the **natural person** or group of natural persons **who created the base** or, where the legislation of the Member States so permits, the legal person designated as the rightholder by that legislation.

expression of the DB protectable by COPYRIGHT

The author of a database shall have the exclusive right to carry out or to authorize:

- temporary or permanent reproduction by any means and in any form, in whole or in part;
- translation, adaptation, arrangement and any other alteration;
- any form of distribution to the public of the database or of copies thereof.
- any communication, display or performance to the public;

Co-Authorship



Where collective works are recognized by the legislation of a Member State,

the economic rights shall be owned by the person holding the copyright.



In respect of a database created by a group of natural persons jointly,

the **exclusive rights shall be owned jointly.**

In addition, with respect to online materials, protected databases include:

(T. Alexander Kley - The European Database Directive In Perspective)

- collections of company registers,
- movie schedules,
- news articles and headlines,
- real estate information,
- job records and markets,
- financial information,
- poems, medical lexicons,
- weblinks,
- ticketing event data,
- advertisements,
- addresses, and sporting event information.
- websites in general, as collections of webpages, are presumptively protected under the Directive so long as there was substantial investment in their content.
- collections of self-help groups,
- public exhibition catalogues,
- collective bargaining agreements, hit music titles, and magazines. F
- inally, in the case of electronic materials, protection may extend to collections of email addresses, demographic information, and map derivations. ADV-Firmenbuch, Austrian Supreme Court (Oberste Gerichtshof) (Apr. 9, 2002).

Sui generis Rights

NON original databases

Right for the maker of a database which shows that:

substantial investment

- qualitatively and/or
- quantitatively

in either the:

- obtaining,
- verification or
- presentation of the contents

Content of the right

prevent
extraction

- shall mean the permanent or temporary transfer of the contents of a database to another medium by any means or in any form

prevent re-
utilization

- any form of making available to the public all or a substantial part of the contents of a database by the distribution of copies, by renting, by on-line or other forms of transmission.

Sui generis right can be exhausted

- The first sale of a copy of a database within the Community by the rightholder or with his consent shall exhaust the right to control resale of that copy within the Community;

Difference between original and non-original protection

Term of protection

Copyright

- Regular copyright

Sui generis right

- fifteen years from the first of January of the year following the date when the database was first **made available to the public** or
- 15 years after the **completion** (if never made public)

What about any update of the database ?

Commercialization

Sale/transfer

- Only sui generis.

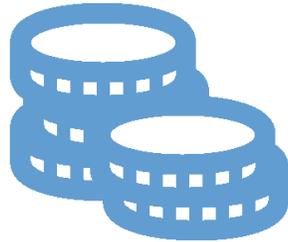
License

- Sui generis right
- Copyright

Computer program associated with the database

- Protection under this Directive shall not apply to computer programs used in the making or operation of databases accessible by electronic means.

Trade secret



Information with commercial value



Protected by law

Employees

Confidential information



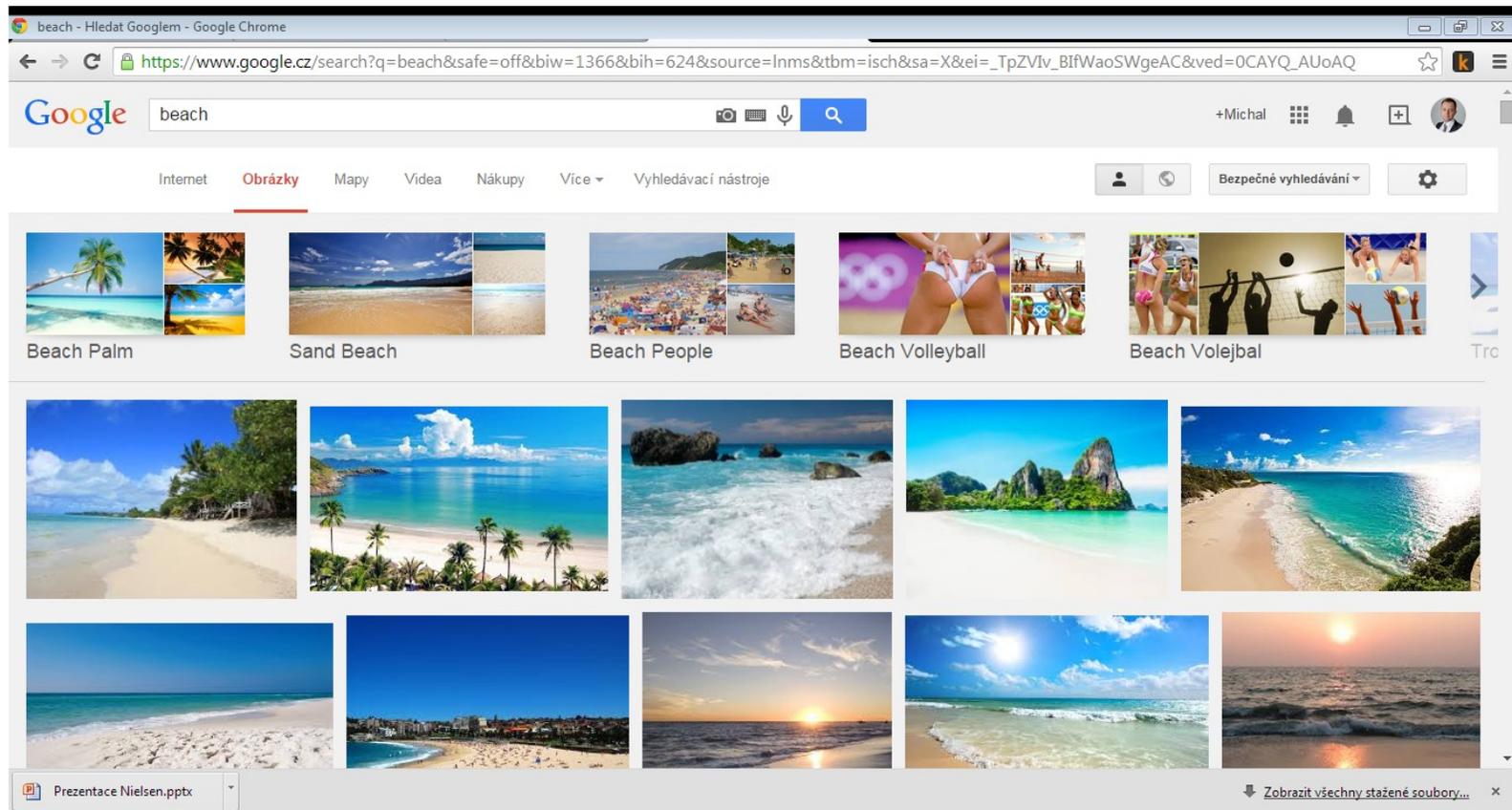
Contractual clause



Non disclosure agreement

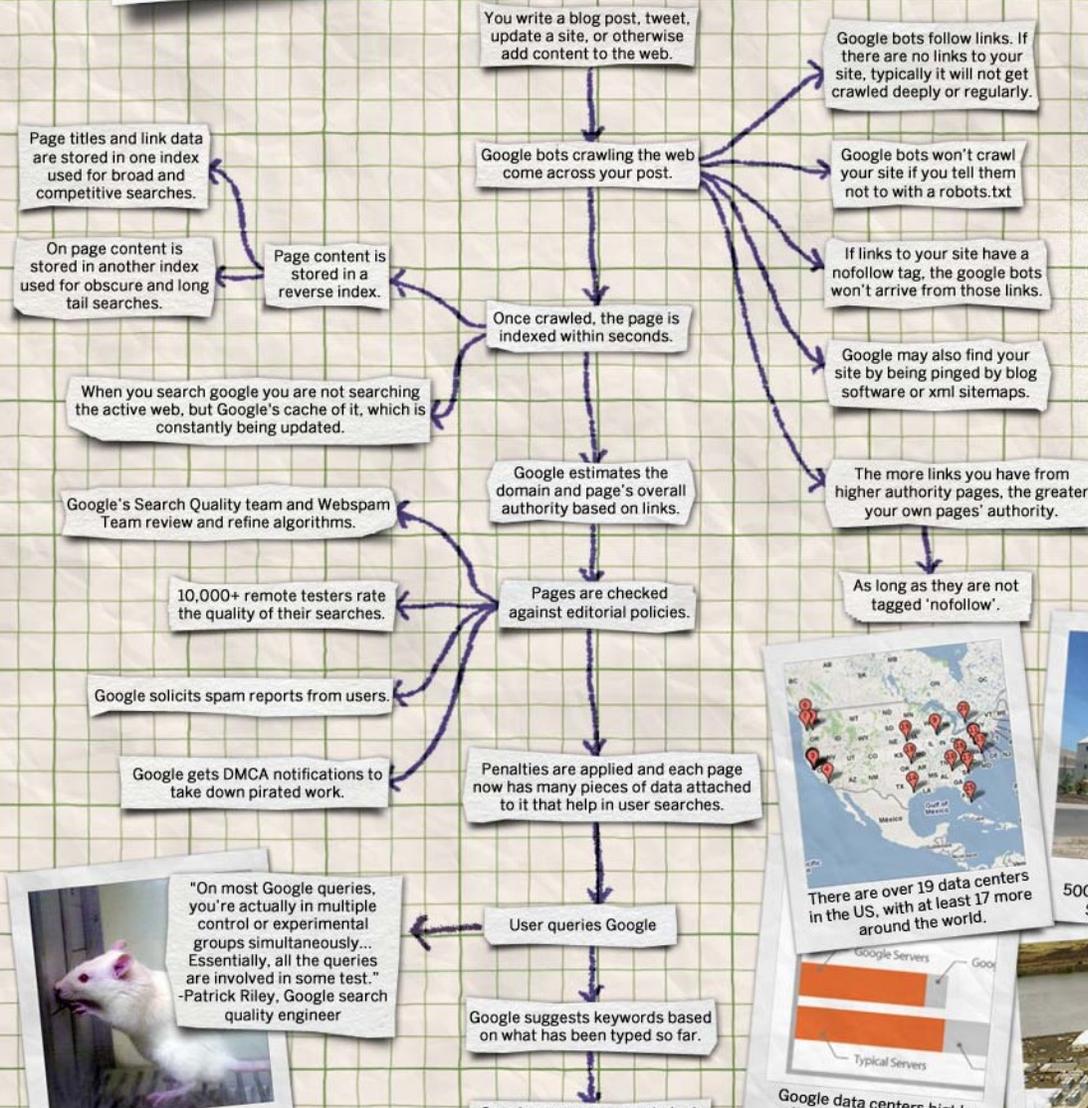
At the beginning of cooperation

Task no. 1: what is google search?



How google works

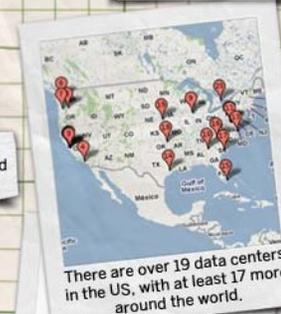
Google Search I'm Feeling Lucky



The official word

"The software behind our search technology conducts a series of simultaneous calculations requiring only a fraction of a second. Traditional search engines rely heavily on how often a word appears on a web page. We use more than 200 signals, including our patented PageRank algorithm, to examine the entire link structure of the web and determine which pages are most important. We then conduct hypertext-matching analysis to determine which pages are relevant to the specific search being conducted. By combining overall importance and query-specific relevance, we're able to put the most relevant and reliable results first."
-Google

Google is very secretive about its data centers. This is what we know so far.



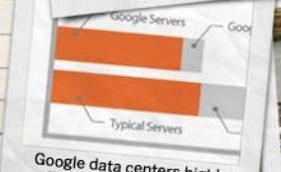
There are over 19 data centers in the US, with at least 17 more around the world.



They can be up to 500,000 square feet and \$600 million each.



"On most Google queries, you're actually in multiple control or experimental groups simultaneously... Essentially, all the queries are involved in some test."
-Patrick Riley, Google search quality engineer



Google data centers



Google servers are housed in standard shipping containers that hold 1,160 servers each.

EXCEPTIONS

- The maker of a database which is made available to the public in whatever manner may not prevent a lawful user of the database from extracting and/or reutilizing insubstantial parts of its contents, evaluated qualitatively and/or quantitatively, for any purposes whatsoever.

Database and software

Almost every software contains certain database

- Files, libraries, data, fonts, images
- Could be either copyrighted if they are unique and expressed
- Could be protected by sui generis, if they are accompanied by sufficient investment

Future

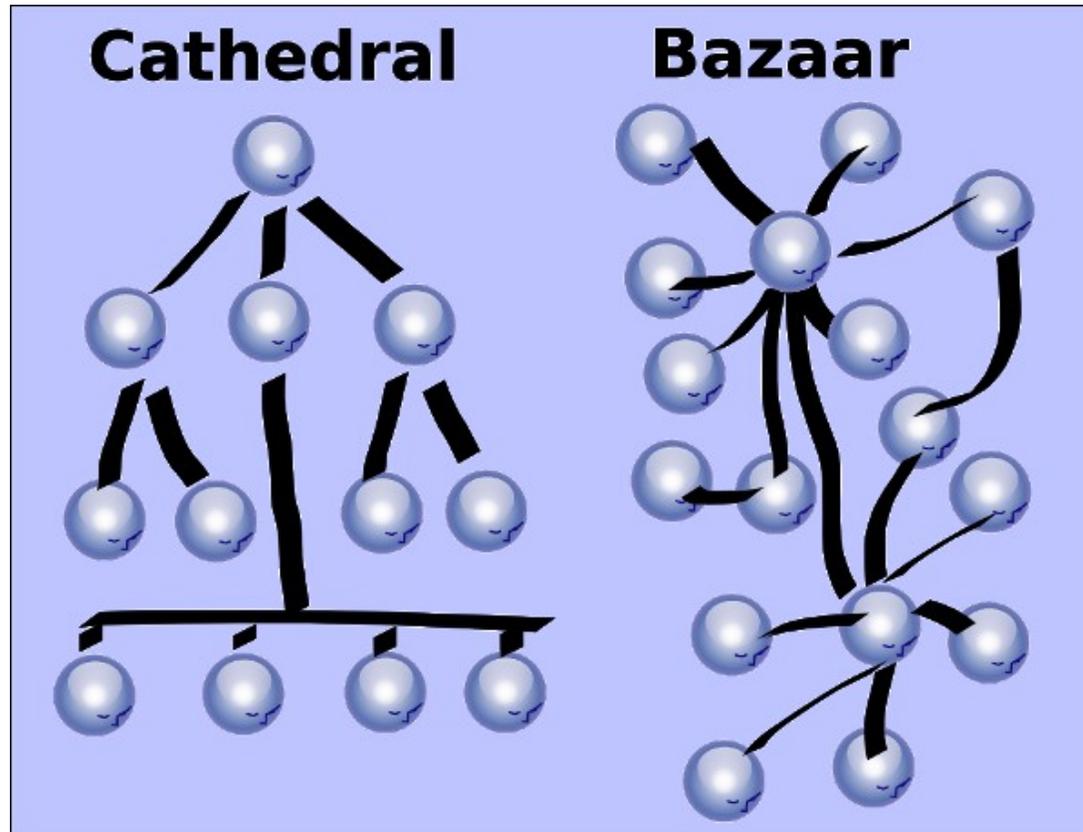
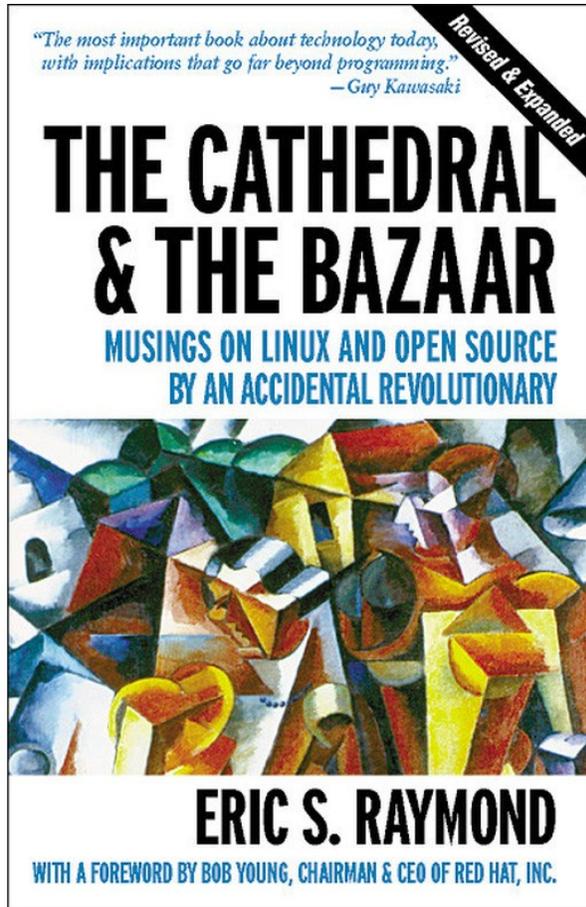
- Big data applications, data analytics applications

Questions

Module 4

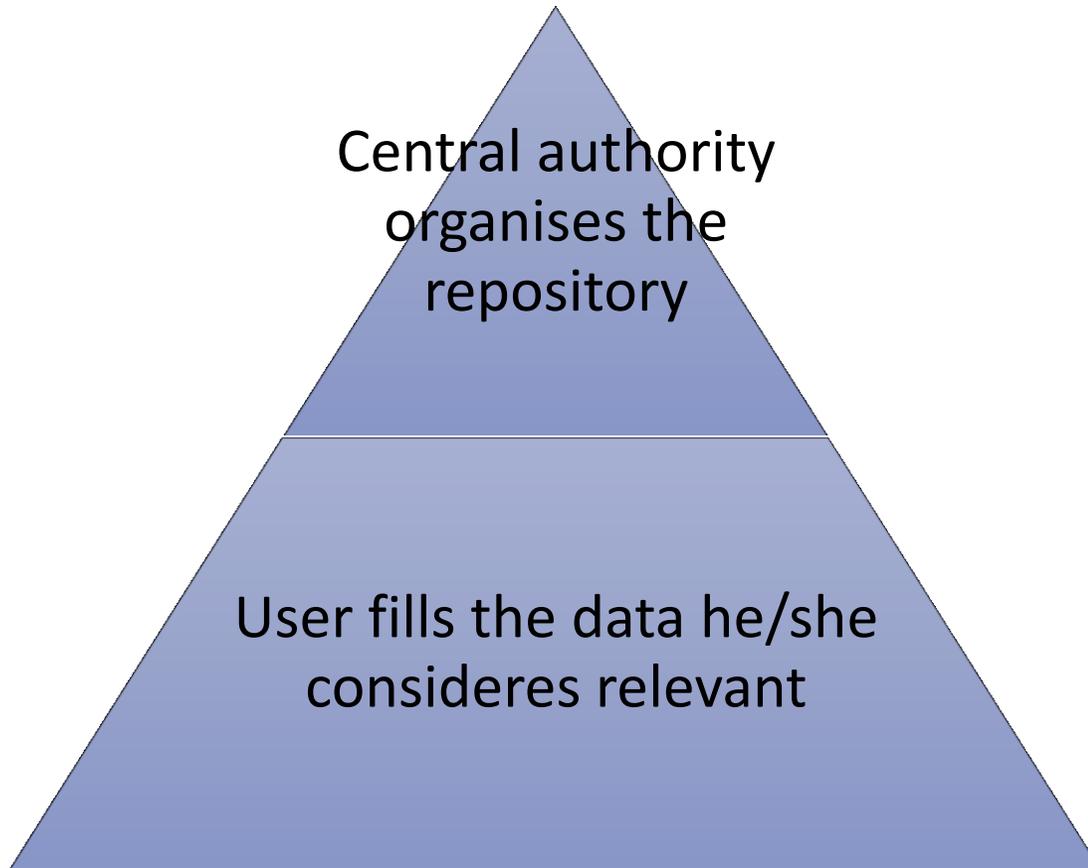
Sharing your work and building on the works of others

How to share information and knowledge

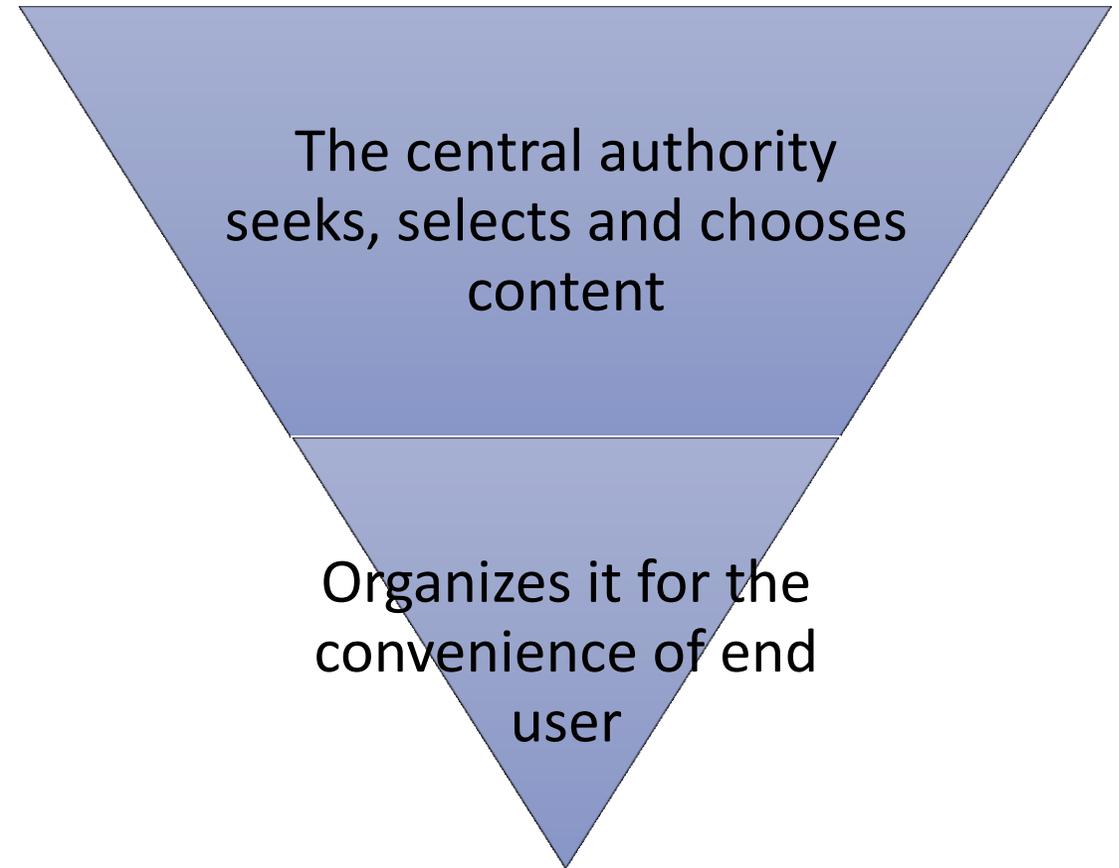


The lessons for data-sharing infrastructure

- BOTTOM UP



- TOP DOWN

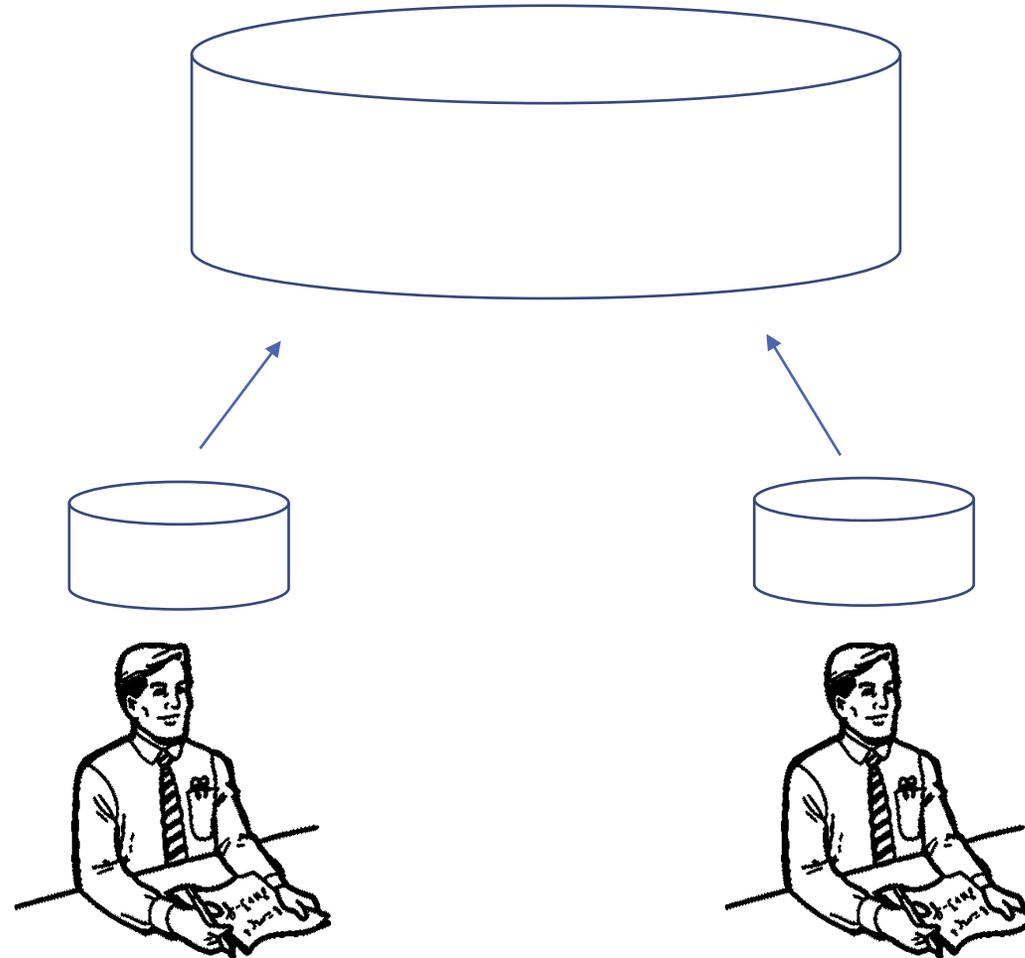


Data sharing design and law

IP law and DP law is predominantly based on the presumption of “top down” design

- It is easy to identify person with responsibility/liability
- It is easy to attribute “ownership”

Bottom up approach is a challenge



Possible outcomes

$1+1=1$ – desired outcome – merging two databases into one „joint database “

$1+1=0$ – merging two databases without substantial investment might create dataset without „database right protection“

$1+1=2$ – mere process of merging two databases does not constitute a substantial investment or original element. Therefore the two database rights exist independently

$1+1=3$ – the newly created database gains protection but the two original databases are still protected

$0+0=1$ – ideal situation – the datasets which would not be protected individually are protected as a whole



The emergence of “bottom up” in IT brings us new tools, that we are still learning to use

- Safe harbor regimes
- Codes of conducts
- Free licenses

Main legal issues in data-sharing

Intellectual property rights

- Authorship of database
- Sui generis database rights
- Rights to primary data (maybe in the future)

Data protection rights, Privacy

- GDPR, general privacy rules

Right to access to information

- Public sector information
- Knowledge rights
- Data-mining exceptions

Right to know (?) and information access

There are other rights that have to be balanced towards “restrictive rights”



Freedom of speech



Freedom of information



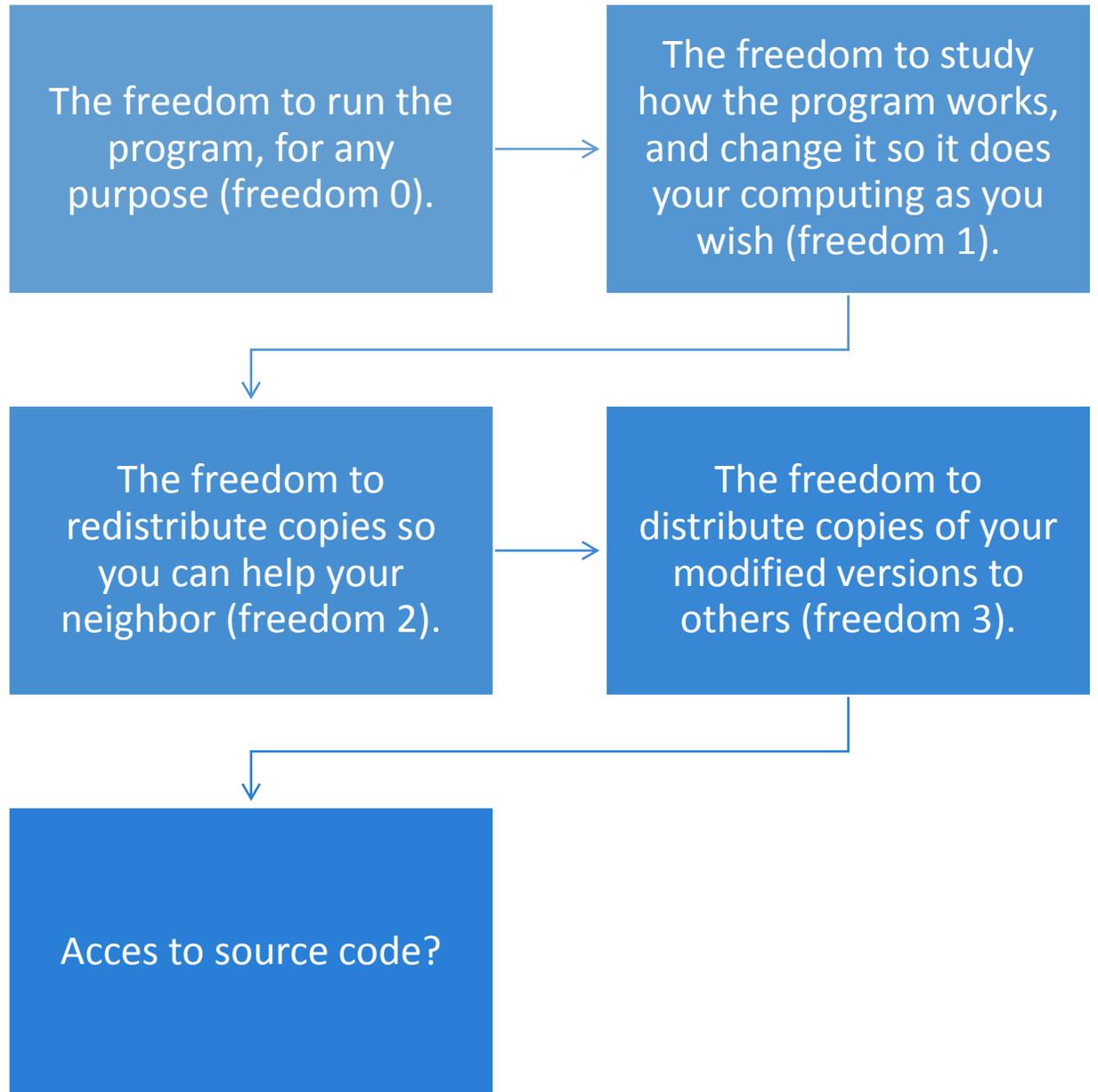
Freedom of the arts and sciences



Transparency of public sector

It is not desirable to monopolize rights to mere information.

Free software



Open software

- 1. Free Redistribution
- 2. Source Code
- 3. Derived Works
- 4. Integrity of The Author's Source Code
- 5. No Discrimination Against Persons or Groups 6. No Discrimination Against Fields of Endeavor
- 7. Distribution of License
- 8. License Must Not Be Specific to a Product
- 9. License Must Not Restrict Other Software
- 10. License Must Be Technology-Neutral

- Legal typology • Strongly protective licences – “viral licences” – GNU General Public License • Weakly protective licences – Lesser General Public License (LGPL) • Permissive licences – Author’s crediting – BSD License, MIT License