



European IP Helpdesk

Stay ahead of the innovation game.

The European IP Helpdesk





European IP Helpdesk

- Service initiative of the European Commission
- Addressing **current and potential beneficiaries of EU-funded projects, researchers and EU SMEs**
- Free-of-charge first-line support on intellectual property (IP)
- Hands-on IP and innovation management support
- International pool of IP experts from various thematic fields
- Unique cooperation scheme with the Enterprise Europe Network: 44 ambassadors from 27 EU countries



Training

free online and on-site sessions



Website

frequent updates from the world of IP and innovation



Helpline

confidential treatment of individual IP questions



Publications

practical IP knowledge through high-level publications



Ambassadors

local IP support throughout Europe



Events

info point at key networking events and conferences



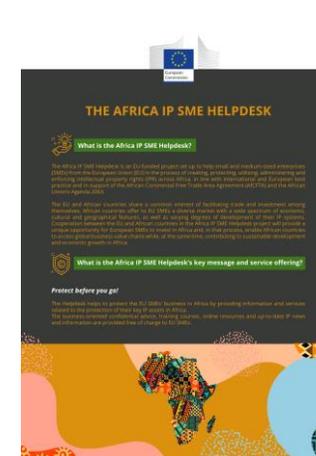
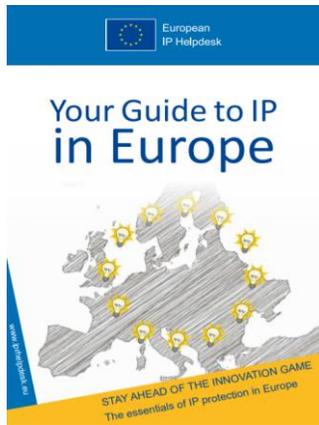


The EC IP Helpdesks





EC IP (SME) Helpdesk Hub – Gateway to Information



- E-learning modules & more
- Guides / Topic, country, sector-specific factsheets / Infographics
- Case studies

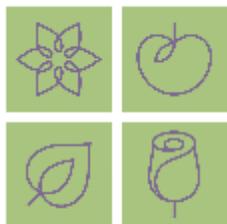


Training cooperation with the Community Plant Variety Office and CIOPORA



CPVO

Community Plant Variety Office



CIOPORA

- | | | | |
|-----------------------------------|---|-----------------------------------|--|
| <p>17
FEB
2022</p> | <p>TRAINING AND WORKSHOPS
EU - Webinar & CPVO coop: The essential role of Quality Auditing examination offices for EU Plant Variety Rights</p> <p><input type="checkbox"/> Live streaming available</p> | <p>12
APR
2022</p> | <p>TRAINING AND WORKSHOPS
EU - Webinar CPVO Coop: Constraints and opportunities for edited varieties. Is the GMO legal framework impacting the creation of new plants?</p> <p><input type="checkbox"/> Live streaming available</p> |
| <p>21
JUN
2022</p> | <p>TRAINING AND WORKSHOPS
EU Webinar - CPVO Coop Webinar: Introduction to Community plant variety rights: creation of new plants and their protection in the EU</p> <p><input type="checkbox"/> Live streaming available</p> | <p>08
SEP
2022</p> | <p>TRAINING AND WORKSHOPS
EU - Webinar CPVO Coop: The interface between plant variety rights and patents</p> <p><input type="checkbox"/> Live streaming available</p> |
| <p>28
SEP
2022</p> | <p>TRAINING AND WORKSHOPS
EU - Webinar & CIOPORA coop: Growers' Guide to Intellectual Property Protection for Plants</p> <p><input type="checkbox"/> Live streaming available</p> | <p>10
OCT
2022</p> | <p>TRAINING AND WORKSHOPS
EU - Webinar CPVO Coop: What's in a name: plant variety denominations and their interface with trademarks and geographical indications</p> <p><input type="checkbox"/> Live streaming available</p> |
| <p>02
NOV
2022</p> | <p>TRAINING AND WORKSHOPS
EU - Webinar CIOPORA coop: Enforcement practices for Plant Variety Rights in the EU</p> <p><input type="checkbox"/> Live streaming available</p> | <p>06
DEC
2022</p> | <p>TRAINING AND WORKSHOPS
EU - Webinar CPVO Coop: The impact of protected new plant varieties in the European Union market.</p> <p><input type="checkbox"/> Live streaming available</p> |



Patent Protection for EU funding Beneficiaires

19
JAN
2022

TRAINING AND WORKSHOPS

EU - Webinar EPO Coop: Patent protection for EU funding beneficiaries - Medical Technologies

 Live streaming available

16
MAR
2022

TRAINING AND WORKSHOPS

EU - Webinar EPO Coop: Patent protection for EU funding beneficiaries - Artificial Intelligence

 Live streaming available

14
JUN
2022

TRAINING AND WORKSHOPS

EU - Webinar EPO Coop: Patent protection for EU funding beneficiaries - Green technologies

 Live streaming available

20
OCT
2022

TRAINING AND WORKSHOPS

EU - Webinar EPO Coop: Patent protection for EU funding beneficiaries - Digital communication

 Live streaming available

17
NOV
2022

TRAINING AND WORKSHOPS

EU - Webinar EPO Coop: Patent protection for EU funding beneficiaries - Biotechnology

 Live streaming available

Patent protection for EU funding beneficiaries

An IP training series offered by the European Patent Office and the European IP Helpdesk



European
IP Helpdesk





From Lab to Market – IP & successful TT Training series

07
JUN
2022

TRAINING AND WORKSHOPS

**EU - From Lab to Market - Successful
Technology Transfer Journeys - Case:
OXEON**

📺 Live streaming available

29
JUN
2022

TRAINING AND WORKSHOPS

**EU - From Lab to Market - Successful
Technology Transfer Journeys - Case:
Atlantic Therapeutics**

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JUL
2022

TRAINING AND WORKSHOPS

**EU - From Lab to Market - Successful
Technology Transfer Journeys - Case:
Dermis Pharma**

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13
SEP
2022

TRAINING AND WORKSHOPS

**EU - From Lab to Market - Successful
Technology Transfer Journeys - Case:
Blubrake**

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18
OCT
2022

TRAINING AND WORKSHOPS

**EU - From Lab to Market - Successful
Technology Transfer Journeys - Case:
Perceive3D**

📺 Live streaming available

03
NOV
2022

TRAINING AND WORKSHOPS

**EU - From Lab to Market - Successful
Technology Transfer Journeys - Case: fos4x**

📺 Live streaming available

08
DEC
2022

TRAINING AND WORKSHOPS

**EU - From Lab to Market - Successful
Technology Transfer Journeys - Case:
Cubicure**

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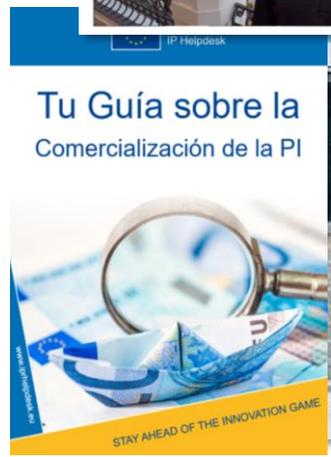
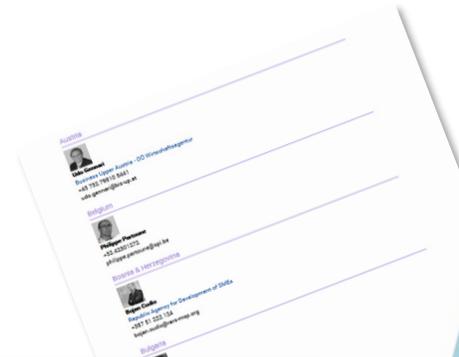


Registration: www.ec.europa.eu/ip-helpdesk/lab_market



Ambassador Scheme

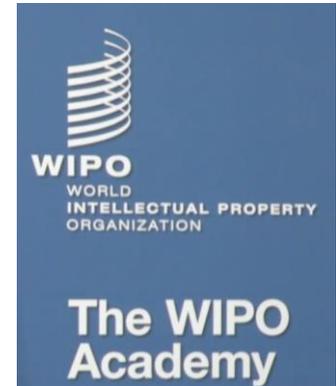
- **Cooperation scheme** with the Enterprise Europe Network (EEN): 44 ambassadors – 27 countries
- **Building IP capacities** among European SMEs
- **Overcoming language barriers**
- Making the topic **more accessible**
- Exchange and feedback from ambassadors on **needs of SMEs**
- Local **awareness** and **training events**





Further learning opportunities:

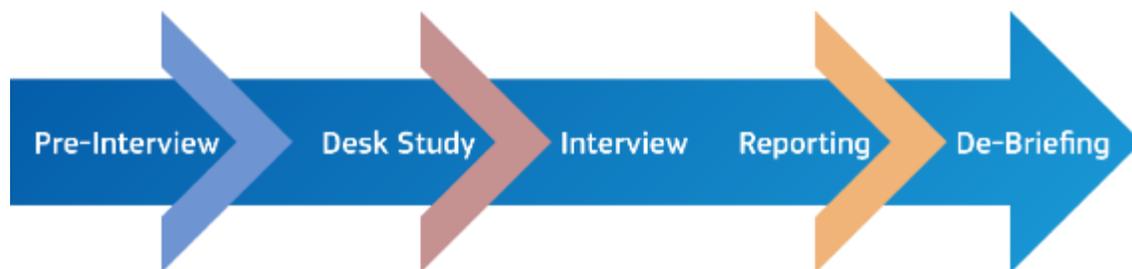
1. [European IP Helpdesk Ambassadors and EEN](#)
2. [EUIPO learning portal](#)
3. [EUIPO – Ideas Powered for business website](#)
4. [WIPO Academy / Diagnostics](#)
5. [The Ideas Powered for business SME Fund](#)
6. [IPA4SME](#)
7. [Horizon IP Scan](#)
8. [\(IP Booster\)](#)
9. [Horizon Results Booster](#)
10. [Leadership4SMEs](#)
11. [EPO Academy](#)
12. [4IPCouncil](#)





Horizon IP Scan

IP Support Service for SMEs in Collaborative EU-funded Research Projects



14
JUL
2022

INFO DAYS
Horizon IP Scan - Info Session

📺 Live streaming available

17
AUG
2022

INFO DAYS
Horizon IP Scan - Info Session

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14
SEP
2022

INFO DAYS
Horizon IP Scan - Info Session

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11
OCT
2022

INFO DAYS
Horizon IP Scan - Info Session

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14
NOV
2022

INFO DAYS
Horizon IP Scan - Info Session

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14
DEC
2022

INFO DAYS
Horizon IP Scan - Info Session

📺 Live streaming available



www.horizon-ipscan.eu



Thank you!

- www.ec.europa.eu/ip-helpdesk
- helpline@iprhelphdesk.eu
- training@iprhelphdesk.eu
- Twitter [@iprhelphdesk](https://twitter.com/iprhelphdesk)
- LinkedIn [/european-ipr-helpdesk](https://www.linkedin.com/company/european-ipr-helpdesk)





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Stay ahead of the innovation game.

IPR and Software

Dr Eugene Sweeney, CEO, Iambic Innovation Ltd
Senior IP Policy Advisor, European IP Helpdesk
es@iambicinnovation.com
19 October 2022



1



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Today's speaker



Dr. Eugene Sweeney
*Director, Iambic Innovation Ltd; Senior Advisor, European IP Helpdesk
International (ISO) and European (CEN) Standards Committee Member for **Innovation Management and IP Management***

- ❑ **> 40 years in the software industry**
- ❑ 1970's **Researcher** – computer modelling/simulation
- ❑ 1978 **First start-up**: microcomputer software applications for engineers
- ❑ 1980's **Computer & Network industry**: Developing, sourcing and taking new software and ICT technologies to market
- ❑ 1990's **Early-stage technology investment** and commercialisation (software & ICT)
- ❑ 2000 - **Consultant** in Innovation, IPR and research exploitation

2



Roadmap

- **What is special about software**
- **Why and how to protect software**
- **Software exploitation**

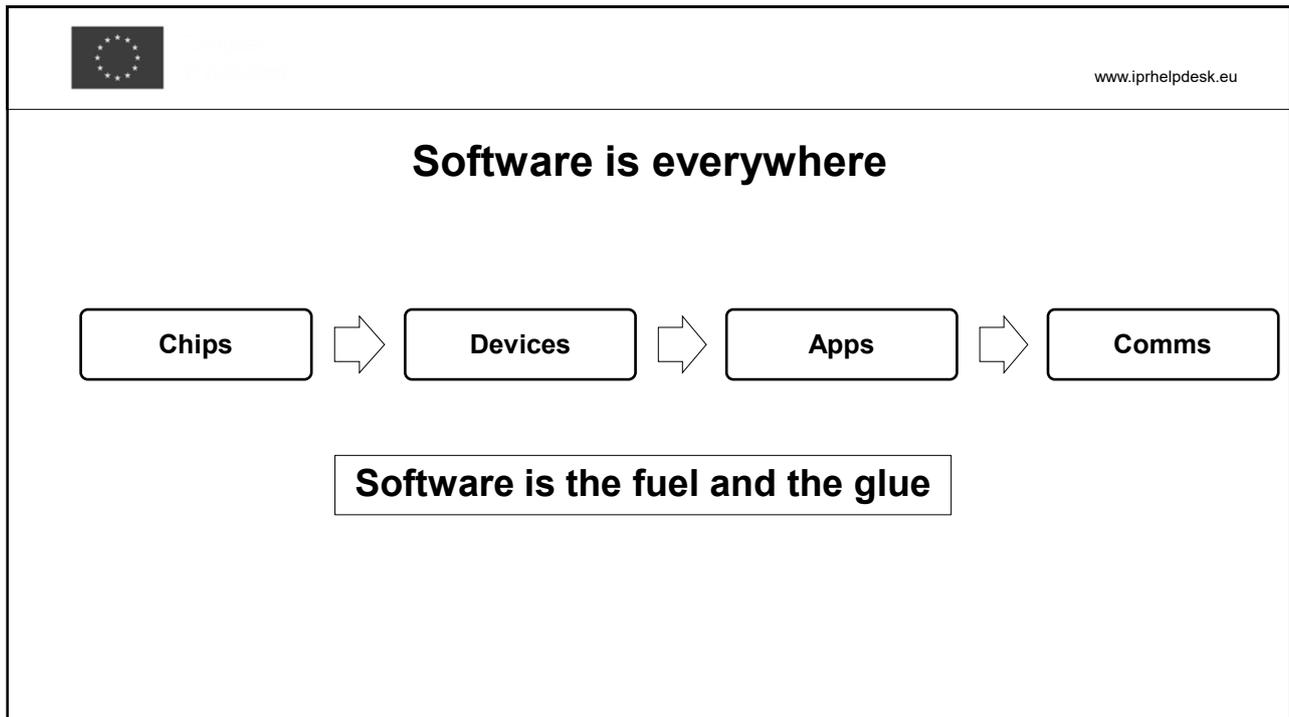


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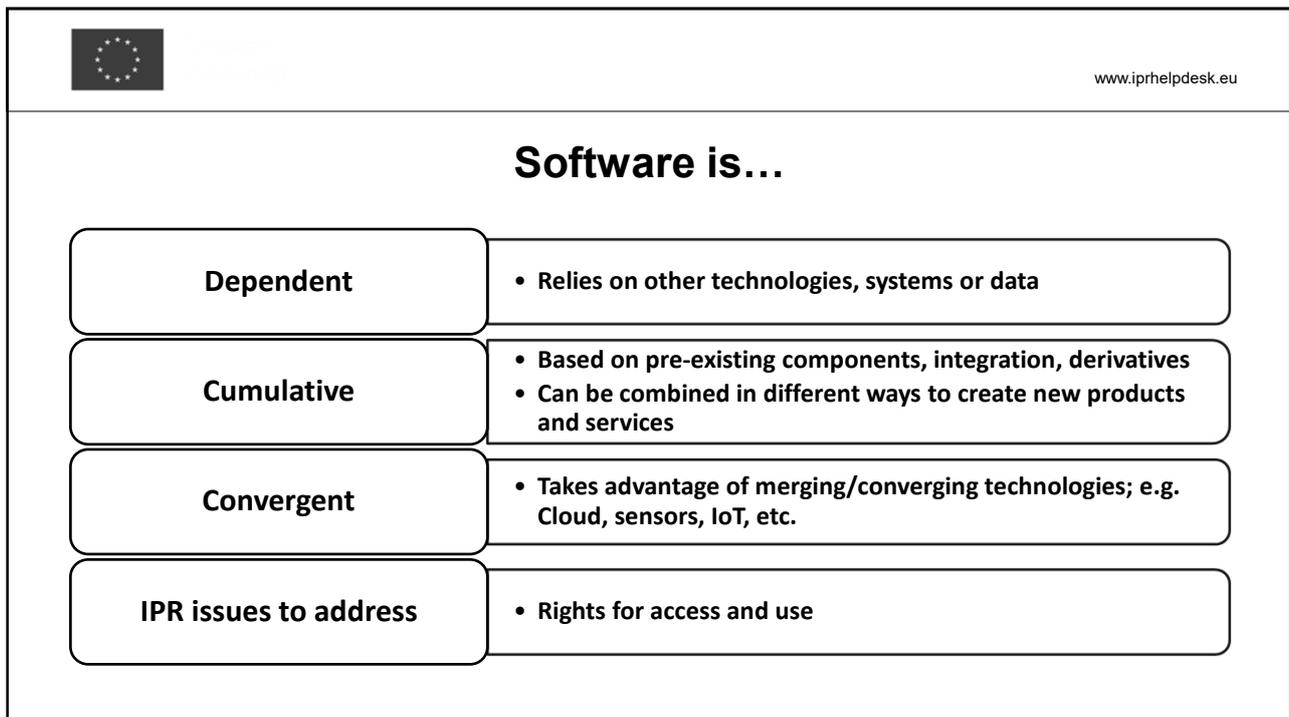


WHAT'S SPECIAL ABOUT SOFTWARE?

4



5



6



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Software can...

Software can operate globally	<ul style="list-style-type: none">• Rapid scalability
Software can be trans-border	<ul style="list-style-type: none">• Cloud, Internet, IoT, blockchain, AirBnB, etc.
Issues to address	<ul style="list-style-type: none">• Language, cultural, regulatory, IPR, privacy and security

7



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Software has many facets

Different forms	<ul style="list-style-type: none">• source code, executable
Can be delivered in many ways	<ul style="list-style-type: none">• product, service
Any...	<ul style="list-style-type: none">• time, place, device
More than technology	<ul style="list-style-type: none">• aesthetics, brands, marketing, etc
Multiple IP Rights	<ul style="list-style-type: none">• Patent, copyright, design rights, etc

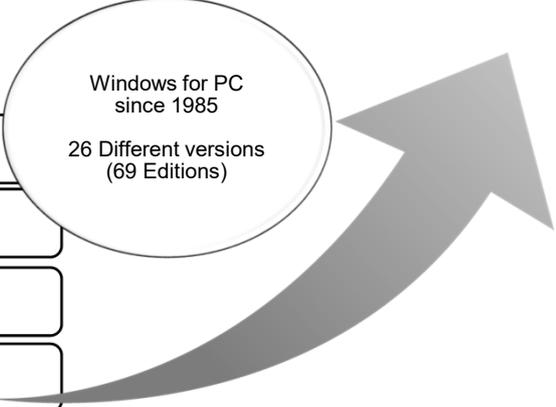
8

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Dynamic and disruptive

- It moves and changes **fast**
- short** life-cycles
- New paradigms** and applications
- Highly **scalable** with high potential
- Less capital** needed to get going

Windows for PC since 1985
26 Different versions (69 Editions)



9

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PROTECTING SOFTWARE (WHY AND HOW?)

10



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Intellectual Property (IP)

Products of the mind

Assets which can be traded

The **KEY** assets in any research project or company

AND other intangible assets
(know how, people, brand value)

- Inventions
- Software code
- New methods
- Manuals/Reports
- Designs (aesthetic/functional)
- Databases
- Works of art
- Music
- Videos
- Books
- Roadmaps
- etc

11

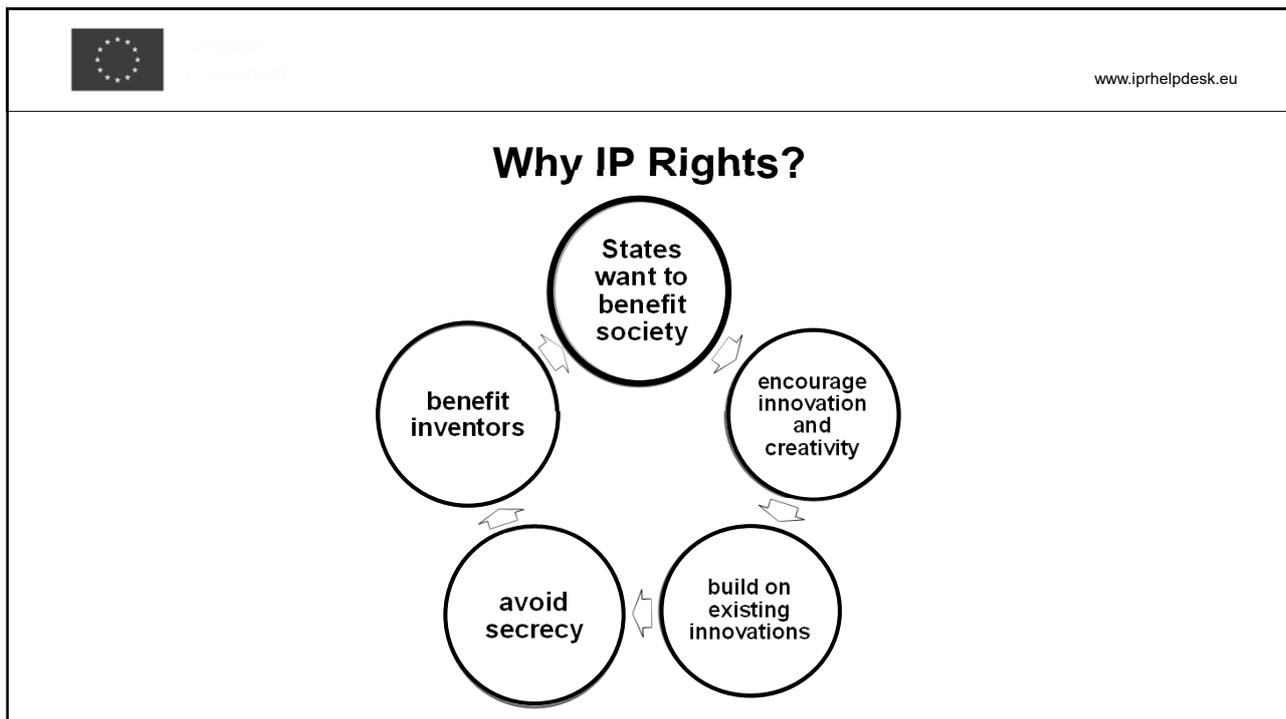


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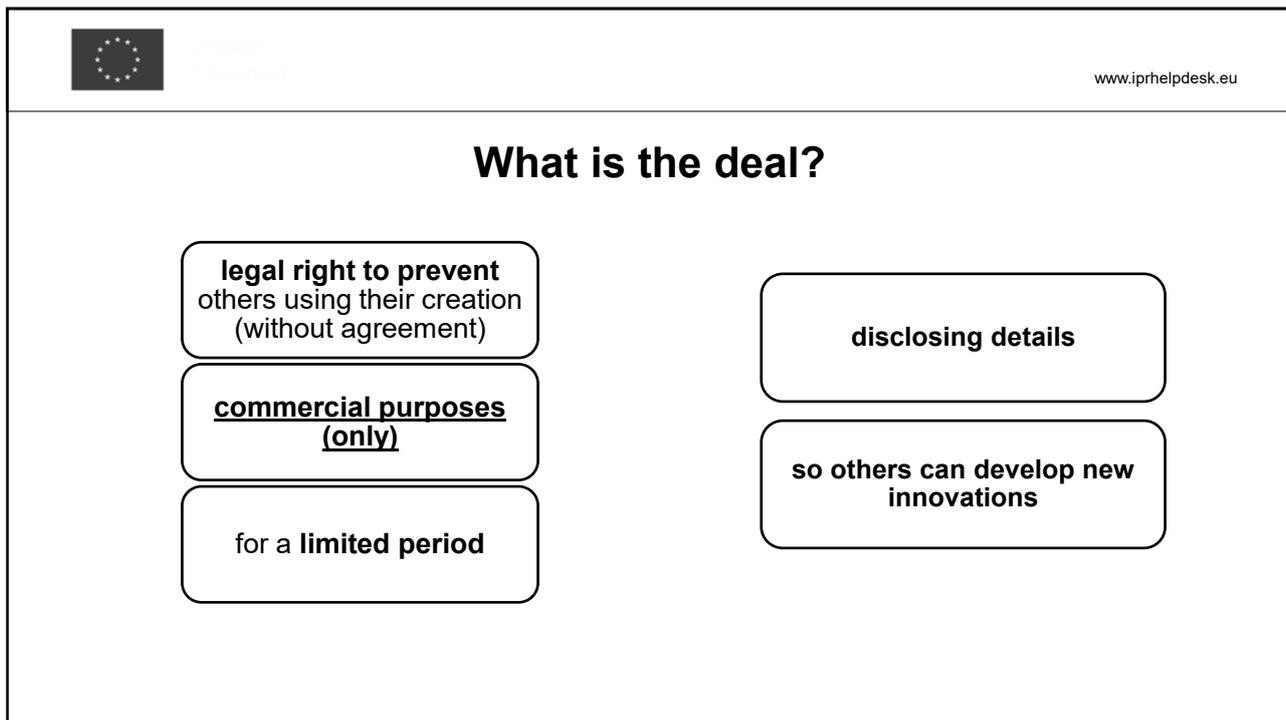
Intellectual Property Right (IPR)

Patents	Some legal rights come into existence automatically
Copyright	Some need registration
Design Rights	Confidentiality Agreements (Know-how)
Database Rights	Secrets (Trade Secrets)
Trade marks	Time limited rights
Plant Breeders Rights	National rights
Utility Models/petty patents	
Plant varieties	
etc	

12



13



14



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Who benefits?

The state by avoiding secrecy	<ul style="list-style-type: none">• Improves innovation capacity, stimulates innovation, enriches society
The creator by being able to prevent unauthorised commercial use	<ul style="list-style-type: none">• Unless they come to an agreement (which may be financial)
Investors (time, money, facilities, etc) from the limited monopoly	<ul style="list-style-type: none">• To get a return on investment

15



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Don't confuse IP and IPR

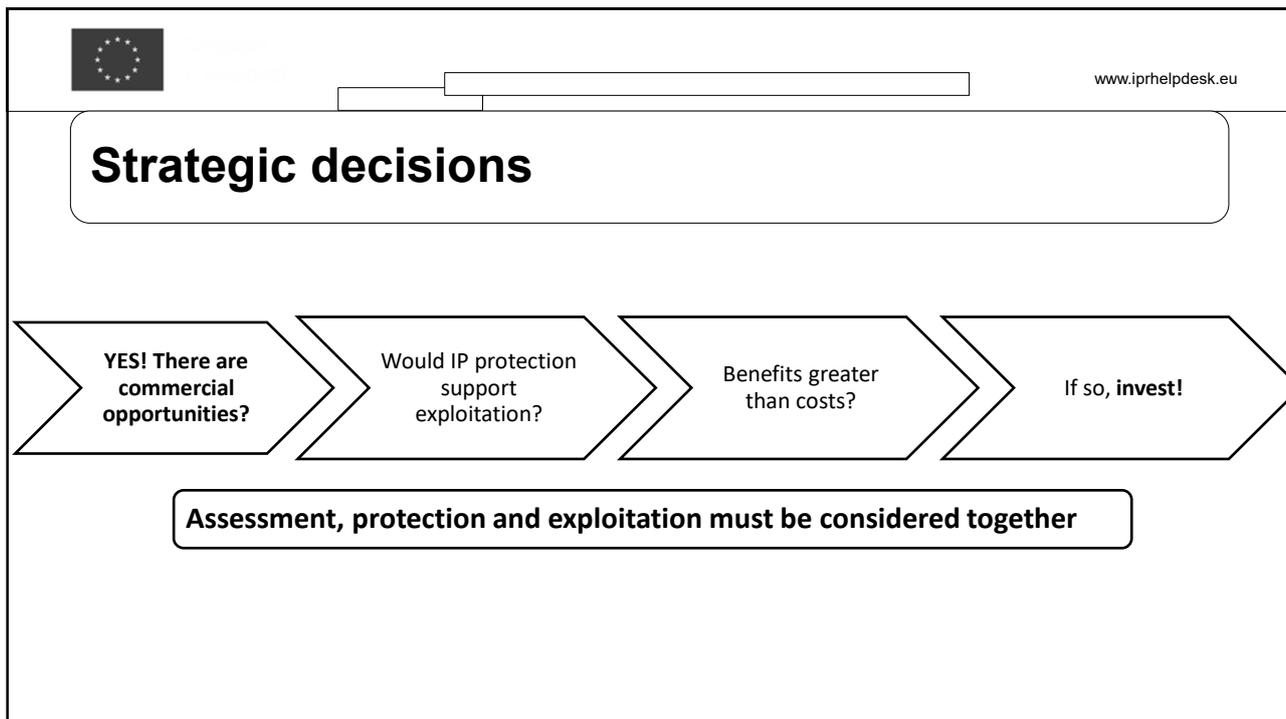
Intellectual **Property**
key **assets**

Intellectual Property **Rights**
legal tools to support
commercial exploitation

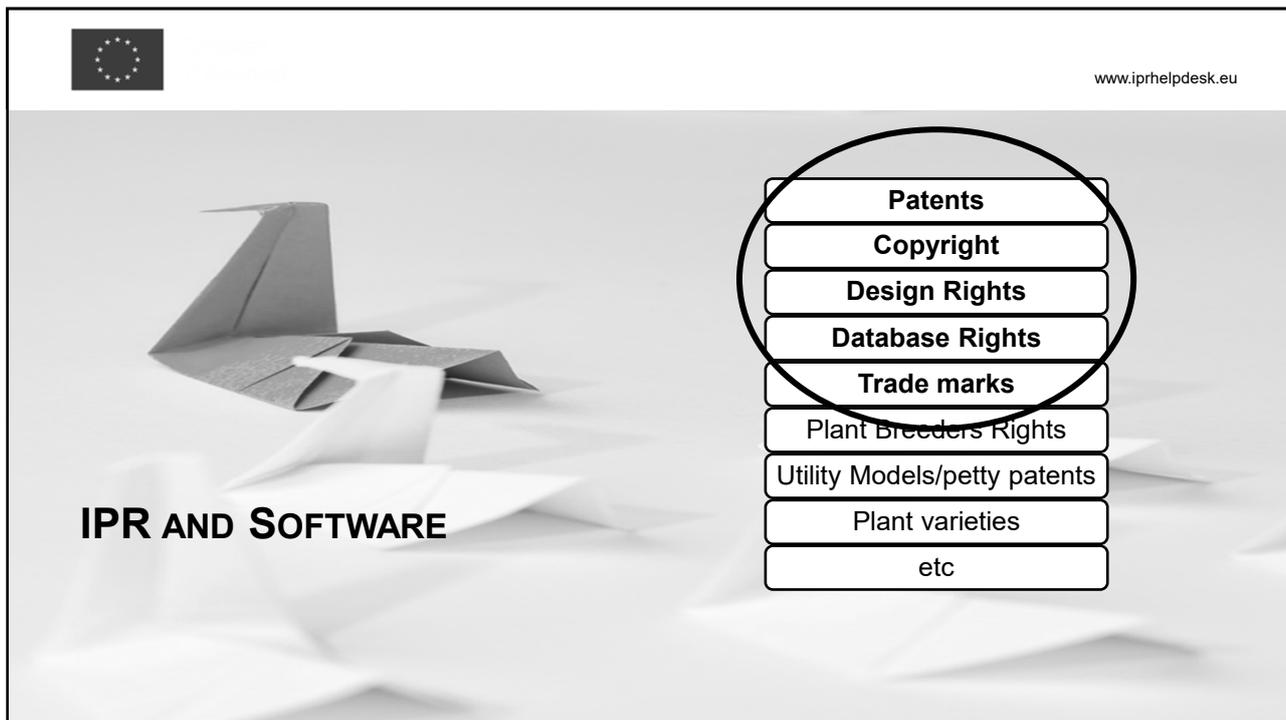
IP Protection is a **strategic commercial decision**

Don't forget other **intangible assets**
(know how, people, brand value, goodwill)

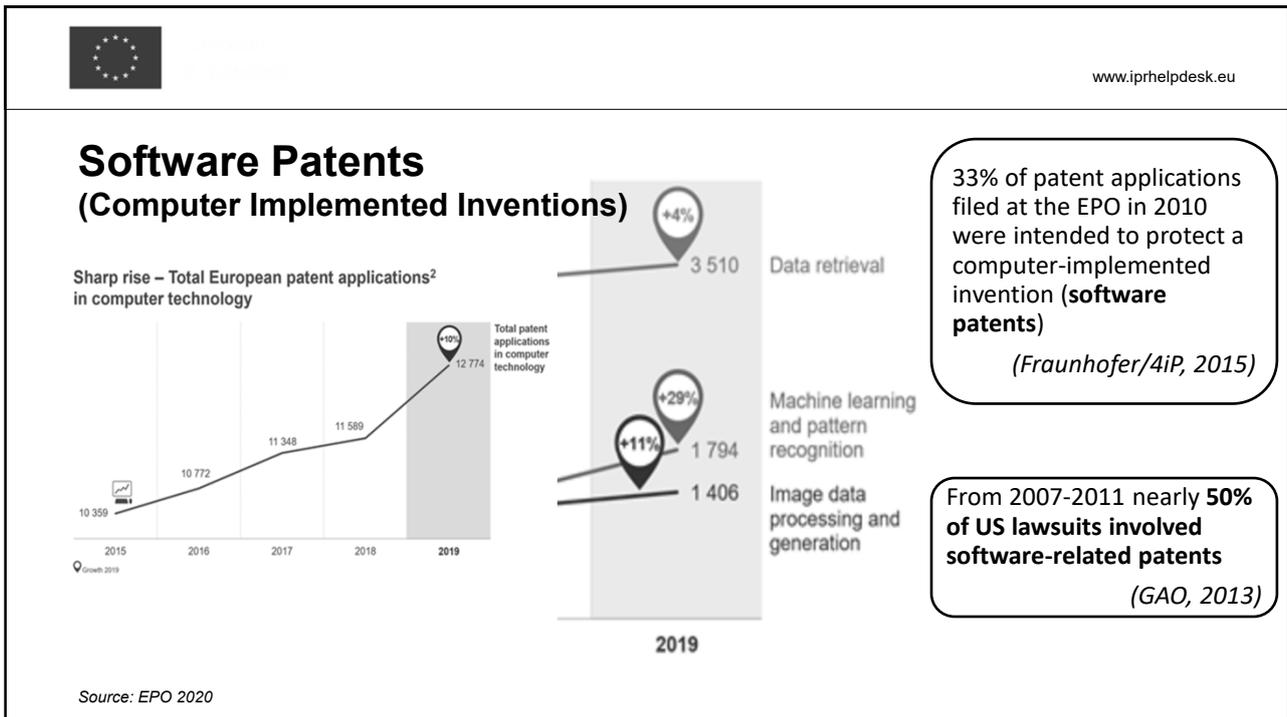
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18



33% of patent applications filed at the EPO in 2010 were intended to protect a computer-implemented invention (**software patents**)
(Fraunhofer/4iP, 2015)

From 2007-2011 nearly **50% of US lawsuits** involved **software-related patents**
(GAO, 2013)

19


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What can you patent?

Almost anything of **technical character** that is not a mere discovery and is:

- **New/Novel** (not previously disclosed publicly)
- **Inventive** (not obvious to “one skilled in the art”)
- **Industrially applicable/has a technical effect**
- **Sufficiently described**



What can't you Patent?

- **Computer programs**
- Scientific theories
- **Mathematical methods/algorithms**
- Aesthetic creations
- Schemes, rules and methods for performing mental acts
- Playing games or doing business
- Presentations of information

20



Software Patents in Europe.. European Patent Convention

Computer programs are not patentable	software code
Computer-implemented inventions are patentable	<i>"inventions whose implementation involves the use of a computer, a computer network or other programmable apparatus, realised by means of a computer program (i.e. software)"</i>
Needs to have a technical effect	not business or financial
BUT... in USA	"technical effect" requirement is not so rigid (and USA is a large market!)

21



Software Copyright



Copyrights protects the expression of the method not the method itself; for example:	<ul style="list-style-type: none">• The code as such (source and binary)• Design material• User guides• Graphical elements such as icons
Comes into existence automatically once published	<ul style="list-style-type: none">• so keep good records to prove date of creation.
Lasts at least 50 years	<ul style="list-style-type: none">• national variations

22


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<p style="text-align: center;">Use a copyright notice</p>	<ul style="list-style-type: none"> the copyright symbol ©, and/or the words "Copyright"; the publication year; the copyright owner. For example: © 2020 Iambic Innovation Ltd.
<p style="text-align: center;">On every component</p>	<ul style="list-style-type: none"> package or box the software comes in, if any manual and other written documentation computer disks or other media containing the software (if any), and appropriate computer screens (e.g. the opening screen, status bar, at activation, on the about or credit screen).
<p style="text-align: center;">In the software code (if made available)</p>	<ul style="list-style-type: none"> As a minimum on the first and last page Preferably on every page, or liberally throughout the code.

23


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Software patent *OR/AND* Software copyright

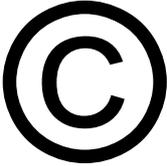
Patent

What it does (regardless of how expressed)



Copyright

What it is (its expression)



Research
Develop
Program
Test
Take to Market

24



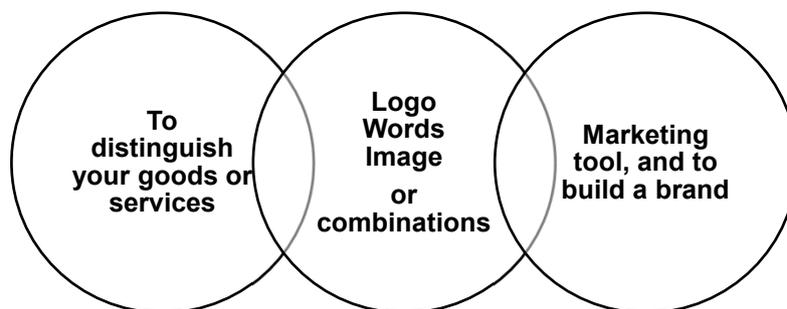
Database Rights

- **Copyright** protects the **contents**
- **Database right** protects the **collection** if there has been a "substantial investment" in obtaining, verifying or presenting the contents of the database.

25



Trademarks



"Patents dominate in Telecommunication and Hardware, but trademarks and copyright dominate in software"

JRC Report, "IP and Innovation in ICT", 2015

26

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Technological Protection Measures (TPMs)

To protect software copyrighted works	<ul style="list-style-type: none">• for example, through encryption
Any technology (software or hardware) which restricts access	<ul style="list-style-type: none">• a password to gain access to a website containing scientific papers• to a chip in a games console, which only allows games to run in a given location• Security dongle• Authorisation/Activation code• Etc
Stand alone in law	<ul style="list-style-type: none">• it is an offence to infringe, in addition to any copyright infringement that occurs though by-passing the TPM

27

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Many ways to protect software!

Copyright

Design rights

Utility models

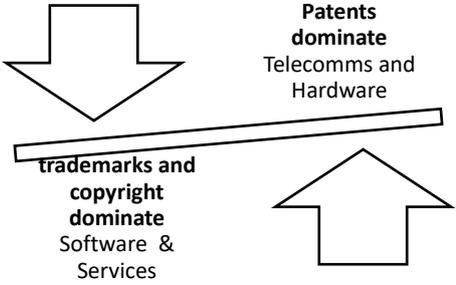
Database rights

Trademarks

Trade secrets

Intangible assets
people,
know-how

Tangible assets
test
facilities



Patents dominate
Telecomms and Hardware

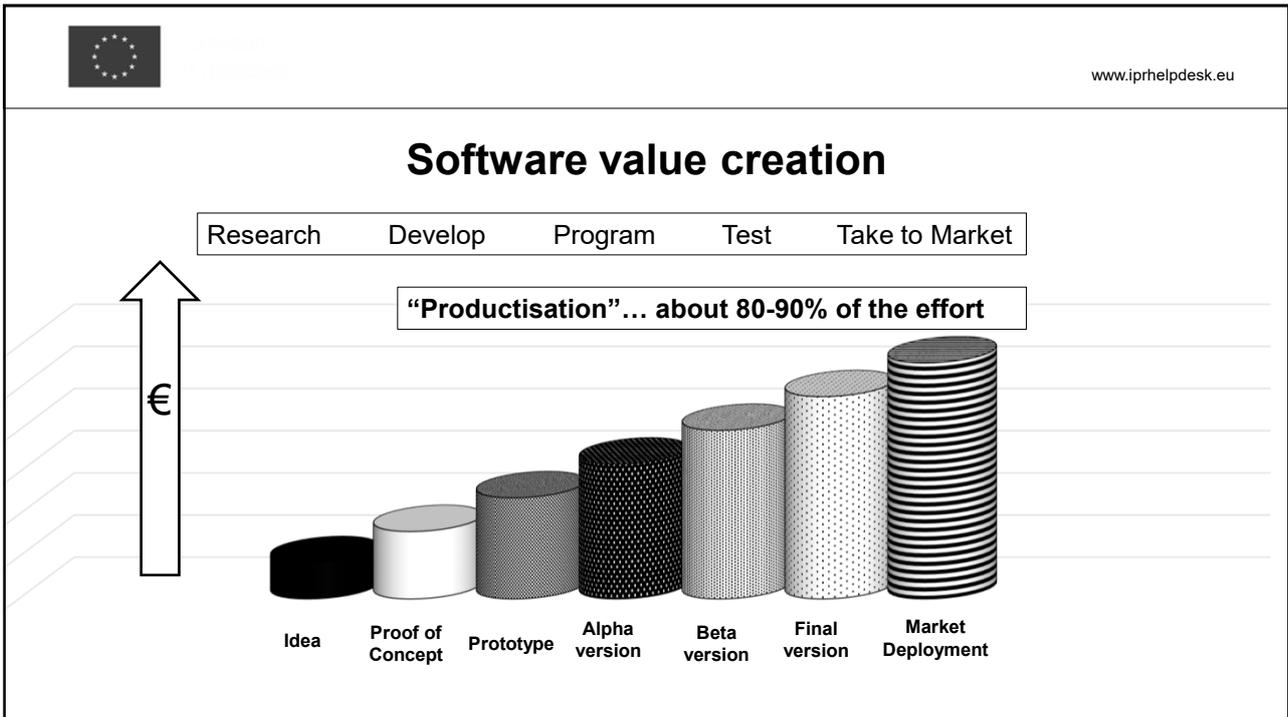
trademarks and copyright dominate
Software & Services

JRC Report, "IP and Innovation in ICT", 2015

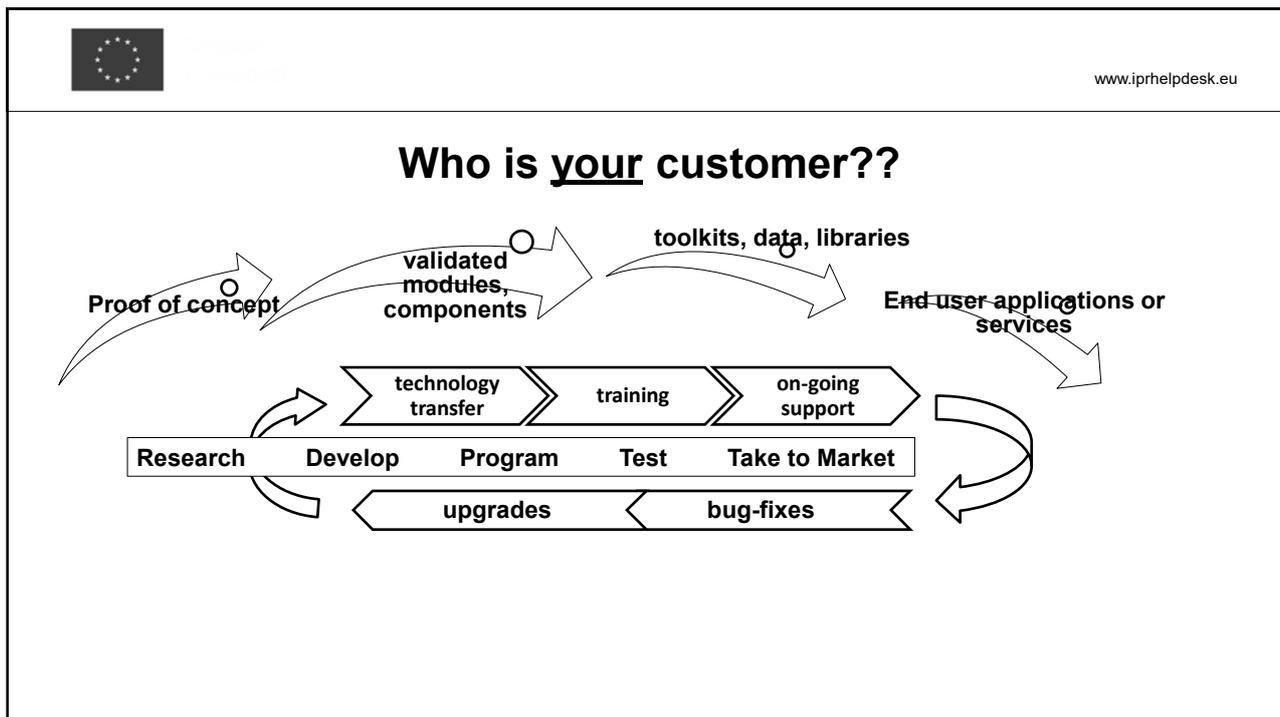
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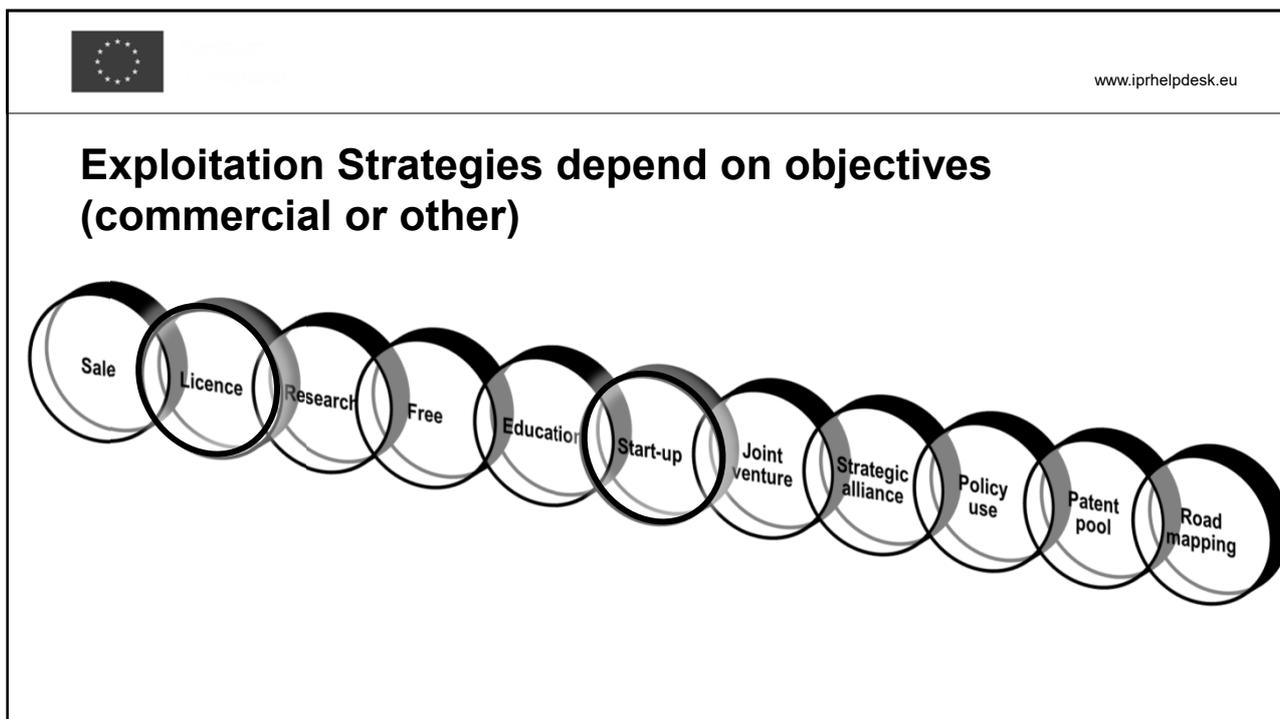
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30



31



32



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Licence or New Company?

Licensee has expertise and resource	New Company must acquire expertise and resource
Can address different fields of use and geographical areas	Needs a critical mass of expertise and a committed and enthusiastic team
Established markets & suppliers	New markets for new suppliers
Evolutionary/incremental technology	Revolutionary or platform technology
The IP fits a gap in someone else's portfolio	Delivers a unique business advantage
Low financial commitment – less risk	Needs capital - more risk
Early returns – may grow over time	Returns take longer – but could be large

33



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SOFTWARE LICENSING

34


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Licensing (in general)

Granting right to use
Granting the right to use the **protected IP** under agreed terms and conditions

- Field of use
- Geographic territory
- To validate not sell
- Subject to conditions

European IP Helpdesk Bulletin No.1 - IP Licensing



http://www.iprhelpdesk.eu/sites/default/files/newsdocuments/bulletin/01/IP-H_b01_content-3.html

35

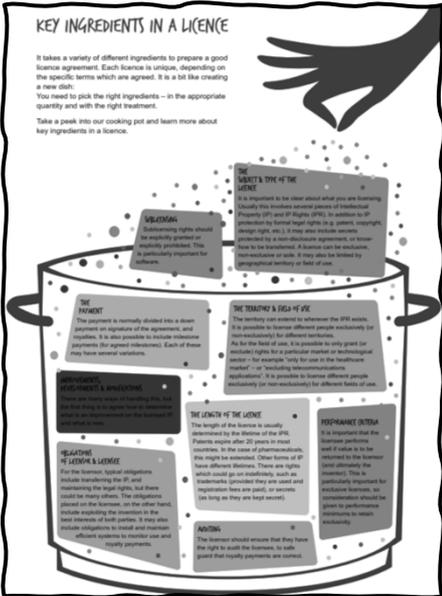

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Every clause in a licence agreement is a negotiating point wherever you are in the value chain

e.g. licence to end users

- For a **fee or free**
- Individual user** (end user licence)..
- Multiple users** may install the product under licence, but only one is allowed to use the software at a given time.
- For **specific hardware** (node licence)
- Multiple licenses** for multiple computers (or multiple users)
- Site licence**: geographical, or organisational
- Floating (network) licence**. Can be installed on many computers, but number of licenses purchased determines the number of concurrent users.
- etc

KEY INGREDIENTS IN A LICENCE



36

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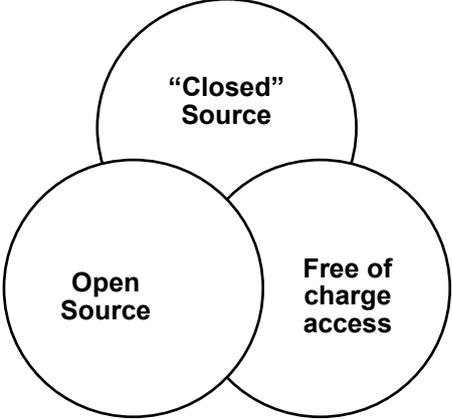
Updates and improvements

Software is never finished!	<ul style="list-style-type: none">• Bug fixes• Upgrades: Improvements, operating system, new add-on products, etc• Ongoing or limited support
Depends on revenue models	<ul style="list-style-type: none">• Free or Fee• Subscription, one-off payment, as needed etc...• Options for first refusal• Ads or Ad-free options
Many and varied options in a software licence agreement	<ul style="list-style-type: none">• Choice depends on position in value chain, sector, application and business model

37

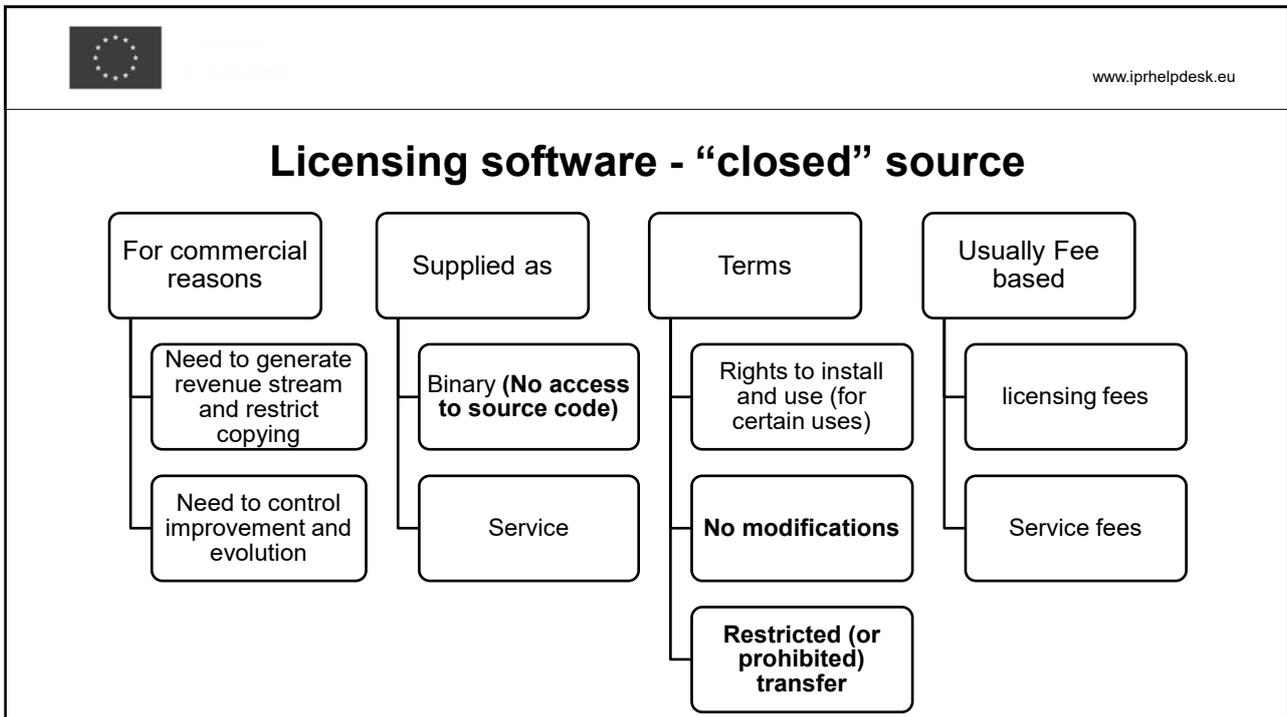
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Licensing Source Code

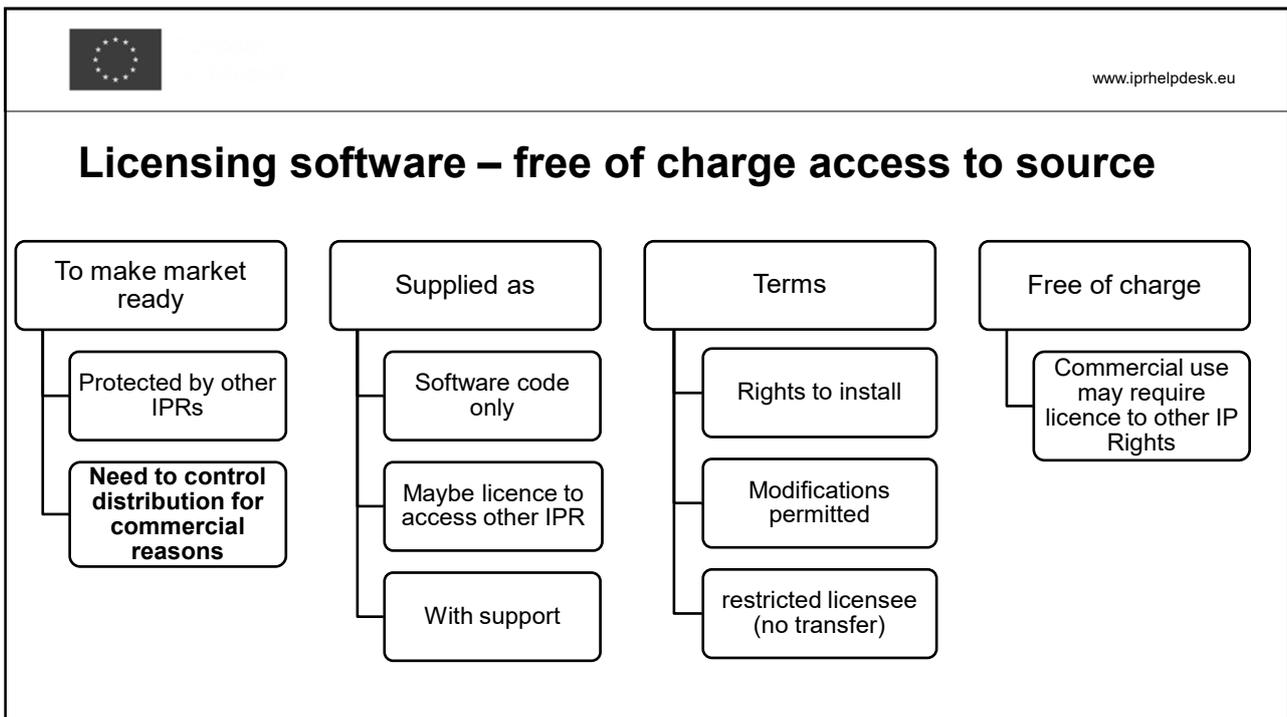


The diagram consists of three overlapping circles. The top circle is labeled "Closed" Source. The bottom-left circle is labeled Open Source. The bottom-right circle is labeled Free of charge access. The circles overlap in the center and with their adjacent neighbors.

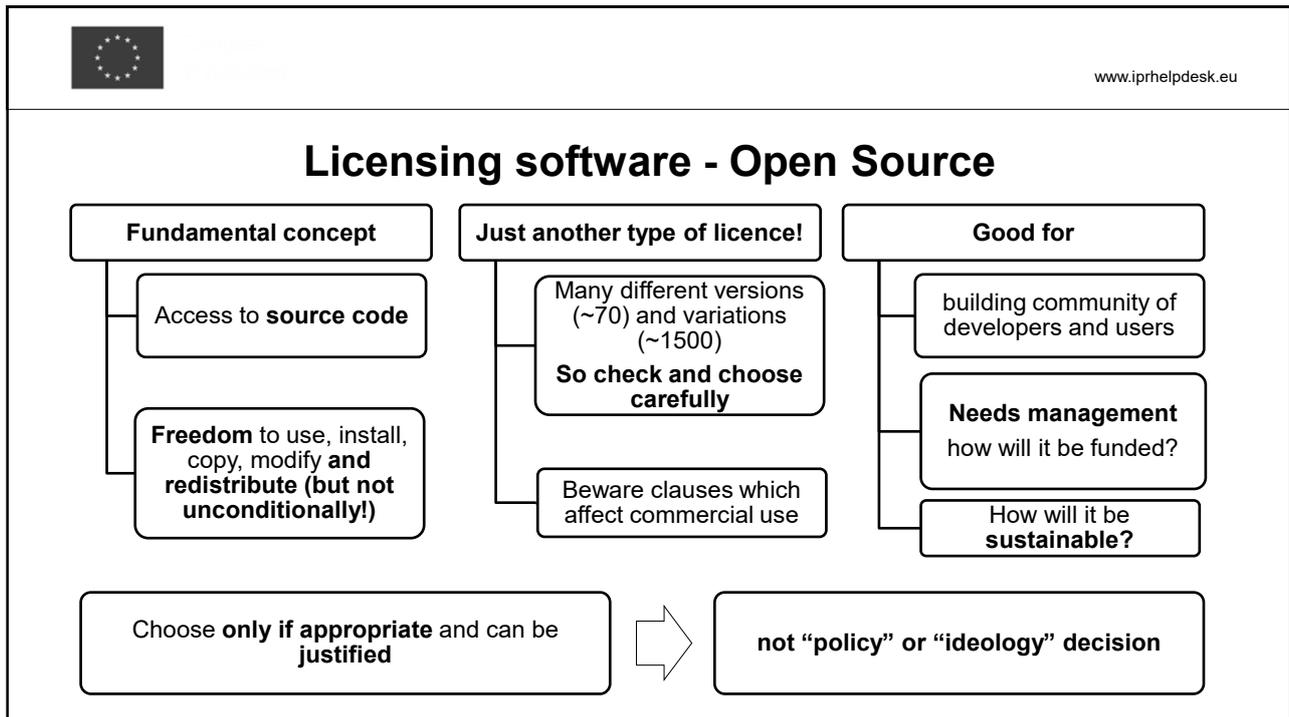
38



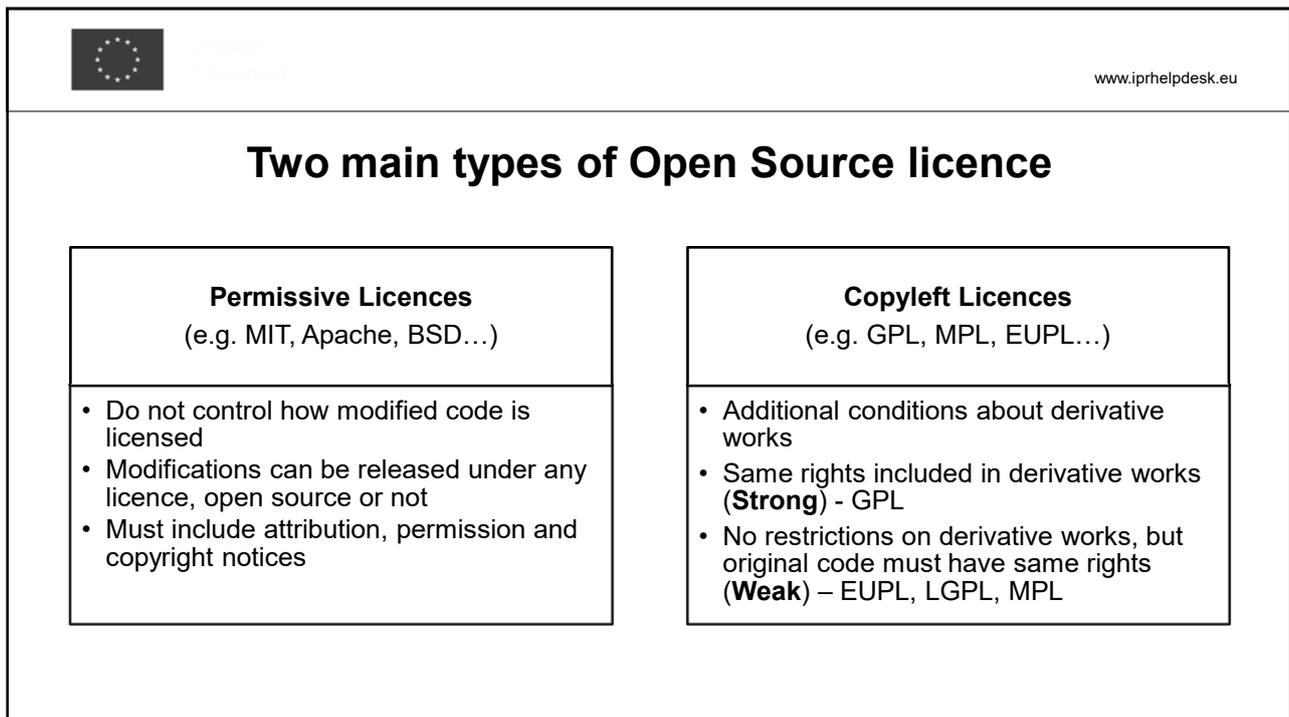
39



40



41



42


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European Union Public Licence

- **Weak copyleft**
- Originally developed by/for the EC – now available for anyone
- Open source licence in **all EU official languages** (OSI certified 2009)
- Compliant with EU law
- Interoperable and compatible with other licences

Joinup Licensing Assistant (Select and compare open licences)

<https://joinup.ec.europa.eu/collection/eupl>



Joinup Licensing Assistant (JLA)

Select licence terms below

Can	Must	Cannot	Compatible	Law	Support
Use/reproduce	Ind. Copyright	Hold liable	None N/A	EU/MS law	Strong Community
Distribute	Royalty free	Use trademark	Permissive	US law	Governments/EU
Modify/merge	State changes	Commerce	GPL	Licensor's law	OSI approved
Sublicense	Disclose source	Modify	Other copyleft	Other law	FSF Free/Libre
Commercial use	Copyleft/Share a.	Ethical clauses	Linking freedom	Not fixed/focal	
Use patents	Lesser copyleft	Pub sector only	Multilingual	Venue fixed	
Place warranty	SaaS/network	Subsistence	For data		
	Include licence		For software		
	Rename modifs.				

or enter licence SPDX identifier RESET

50 licences found

43


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JLA - Compatibility Checker

How compatible are:

**the (planned) outbound
licensing terms**

with the

inbound licensing terms



The objective of this functionality is to determine how far and on which licences a work using or combining data or software components licensed under two different licences can be distributed and (if it can be distributed) under which licence(s).

In other words, how far the planned outbound licensing terms are compliant with the inbound licensing terms of the used source code.

<https://joinup.ec.europa.eu/collection/eupl/solution/joinup-licensing-assistant/jla-compatibility-checker>

44

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Managing Open Source Projects

Someone must manage and sustain	<ul style="list-style-type: none">• Quality and validation• New releases into community• Build and sustain the community
Beware too many “forks”	<ul style="list-style-type: none">• Detrimental to building critical mass in the community, and “brand” identity and commercial success
Must provide source for free	<ul style="list-style-type: none">• Can charge for executable, added value services or products (e.g. training or toolkits)
Added value services and products may be supplied	<ul style="list-style-type: none">• Software freely available under OSS licence• Support contract or consultancy services may be purchased from owner or third parties

45



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Open Source Sustainability

How to meet ongoing costs

Initial costs usually covered by funder or project	➔	You need to plan for sustainability
What are the ongoing costs? <ul style="list-style-type: none">• Infrastructure & hosting• Support & training• Maintaining and updating the codebase• Management costs• Marketing and promotion		Not just about <ul style="list-style-type: none">• revenue generation• releasing code and hope it will survive!
		Must also <ul style="list-style-type: none">• Build the community• Keep interest alive• Encourage use and code improvement

46



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Key sustainability issues

Attracting third party interest	<ul style="list-style-type: none">• More than just awareness, must also encourage engagement to build a community
Managing community	<ul style="list-style-type: none">• Managing project contributions• Having clear contributor guidelines and agreements
Release management	<ul style="list-style-type: none">• Coordinating contributor activity• Addressing the IPR and licensing issues

47

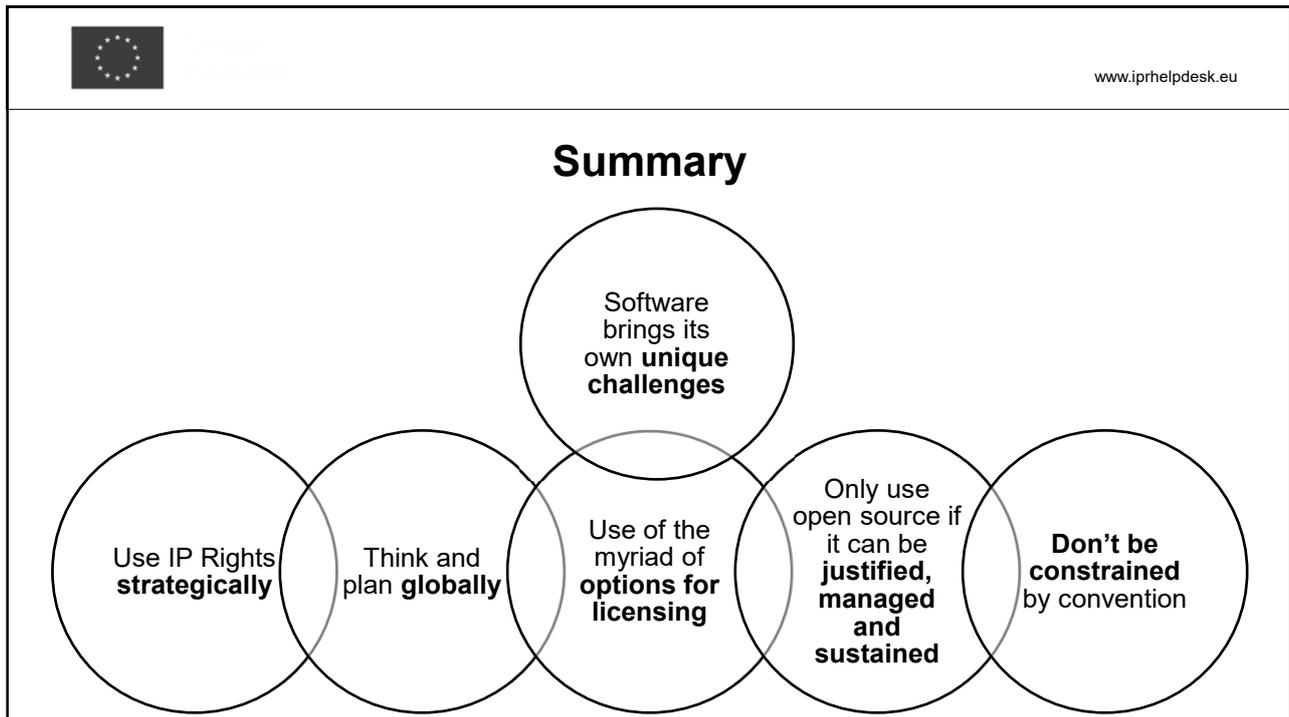


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Company types using Open Source software?

hardware companies	<ul style="list-style-type: none">• To increase the market for their hardware (e.g. printers, phones, white “smart” goods, etc)
software companies	<ul style="list-style-type: none">• In their own products
services companies	<ul style="list-style-type: none">• To build a market for their services (e.g. support, training, customisation, etc.)

48



49

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50