



European IP Helpdesk

Stay ahead of the innovation game.

European IP Helpdesk
IP Management in ICT Projects

25.02.2025





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: 43 ambassadors from 26 EU countries



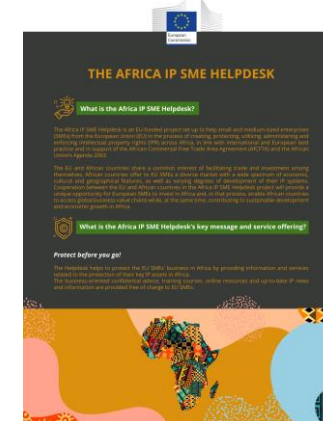
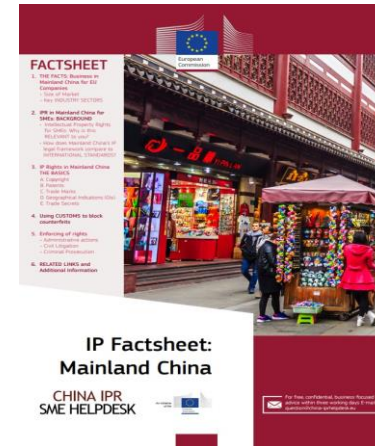
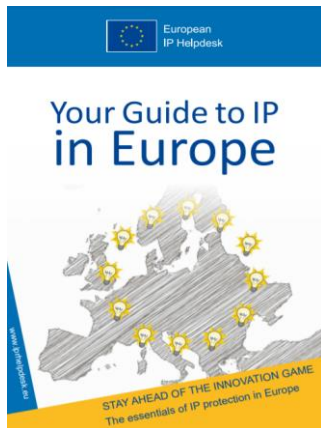


The EC IP Helpdesks





EC IP (SME) Helpdesk Hub – Gateway to Information



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



Upcoming events



11
FEB
2025

Training and workshops

[EU - Webinar: IP in Biotechnology](#)

🔗 Live streaming available

13
FEB
2025

Training and workshops

[EU - Webinar: IP & Open Science](#)

🔗 Live streaming available

17
FEB
2025

Training and workshops

[EU - Webinar: IP in Horizon Projects \(HEU\)](#)

🔗 Live streaming available

19
FEB
2025

Training and workshops

[EU - Webinar: Technology Transfer](#)

🔗 Live streaming available

25
FEB
2025

Training and workshops

[EU - Webinar: IP Management in ICT Projects](#)

🔗 Live streaming available

27
FEB
2025

Training and workshops

[EU - Webinar: Copyright in collaborative projects](#)

🔗 Live streaming available

04
MAR
2025

Training and workshops

[EU - Webinar & Horizon Results Platform: IP in Business collaborations for SMEs and Start-ups](#)

🔗 Live streaming available

06
MAR
2025

Training and workshops

[EU - Webinar: IP Assessment](#)

🔗 Live streaming available



Thank you!

- www.ec.europa.eu/ip-helpdesk
- helpline@iprhelpdesk.eu
- training@iprhelpdesk.eu
- X [@iprhelpdesk](#)
- LinkedIn [/european-ipr-helpdesk](#)
- Subscribe / [Newsletter](#)



IP Management in ICT Projects

European IP Helpdesk Webinar



European
IP Helpdesk

www.iprhelpdesk.eu

European IP Helpdesk

Stay ahead of the innovation game.

IP Management in ICT projects

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

1



www.iprhelpdesk.eu

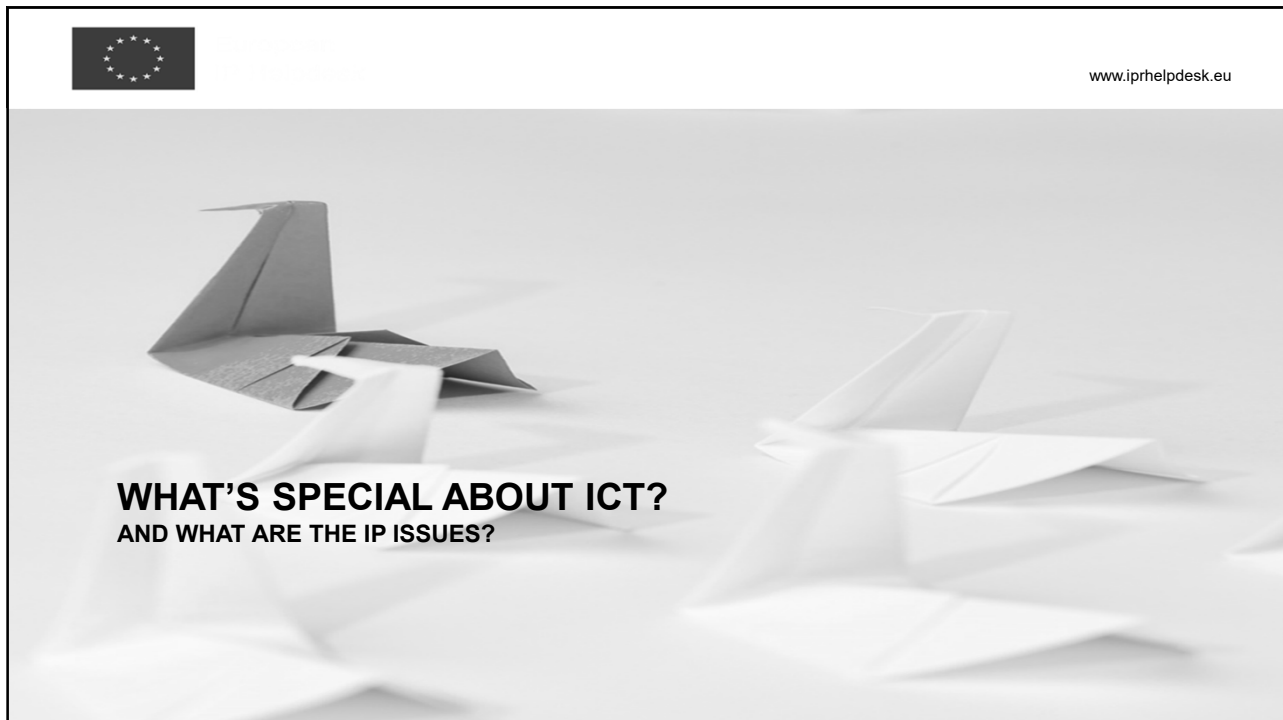
Today's speaker

Dr. Eugene Sweeney

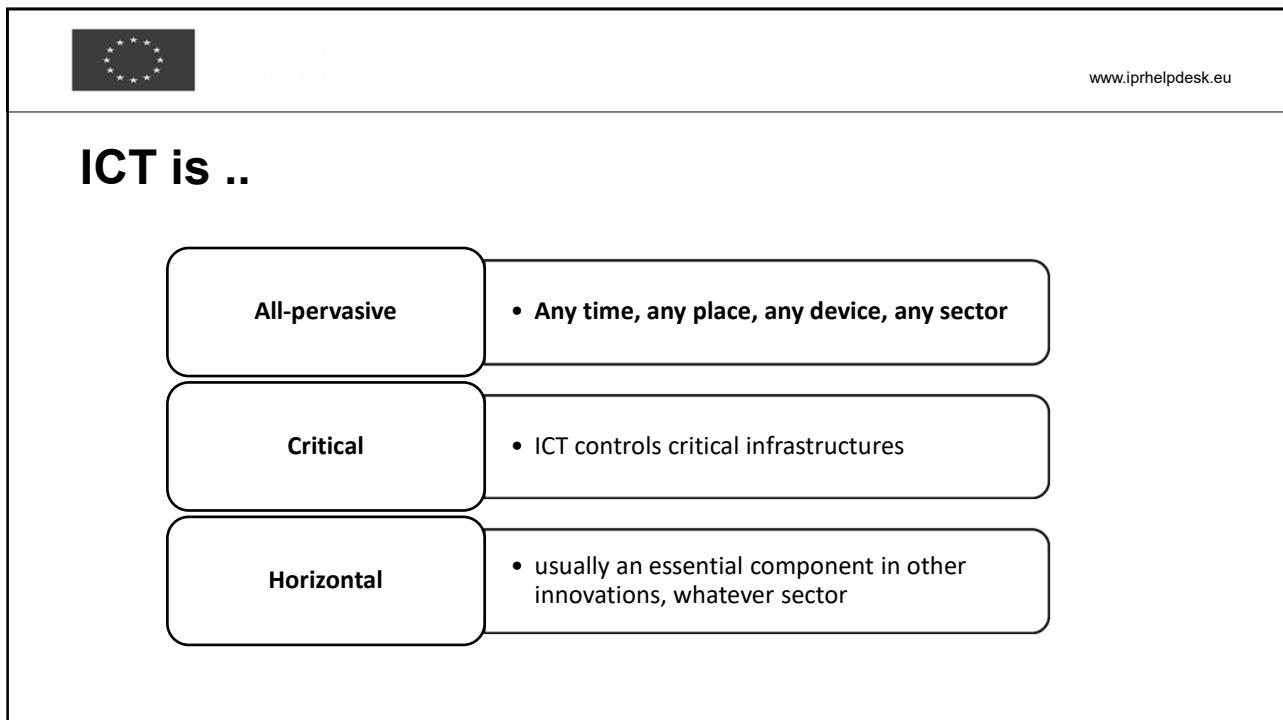
- Over **25 years** experience with EC as **proposal evaluator and project reviewer**
- **Over 40 years in the ICT industry**
 - 1970's **Researcher – computer modelling/simulation**
 - 1978 First **start-up**: microcomputer software applications for engineers
 - 1980's Computer **industry**: Developing, sourcing and taking new ICT technologies to market
 - 1990's Early stage technology/IP **investment and commercialisation**: Focus on **ICT**
 - 2000 - Formed Iambic Innovation Ltd: **Consultancy** in Innovation, IPR and research exploitation
- Member of International (ISO) and European (CEN) Standards Committees on **Innovation Management and IP Management**
- Member of Licensing Executive Society



2



3



Slide 4 features a background image of several white paper airplanes on a light gray surface. In the top left corner is the European Union flag, and in the top right corner is the URL www.iprhelpdesk.eu. The main text, centered on the left side, reads: **ICT is ..**

All-pervasive	<ul style="list-style-type: none">• Any time, any place, any device, any sector
Critical	<ul style="list-style-type: none">• ICT controls critical infrastructures
Horizontal	<ul style="list-style-type: none">• usually an essential component in other innovations, whatever sector

4



ICT is...

Dependent

- **Relies on** other technologies, systems or data

Cumulative

- **Based on** pre-existing components, integration, derivatives
- Can be combined in different ways to create new products and services

Convergent

- **Takes advantage of** merging/converging technologies; e.g. Cloud, sensors, IoT, etc.

5



ICT is ...

Global

- scalable

Trans-border

- Cloud, Internet, IoT, blockchain, AirBnB, etc.

6



ICT has many faces..

Different forms

- Hardware, software, comms, data

Can be delivered in many ways

- Product, service, infrastructure

More than technology

- Aesthetics, brands, marketing, etc

7



ICT is dynamic and disruptive

It moves and changes **fast**

Can have short life-cycles

New paradigms and applications

Highly **scalable** with high **potential**

Sometimes needs **less capital**

Attractive for investors

8



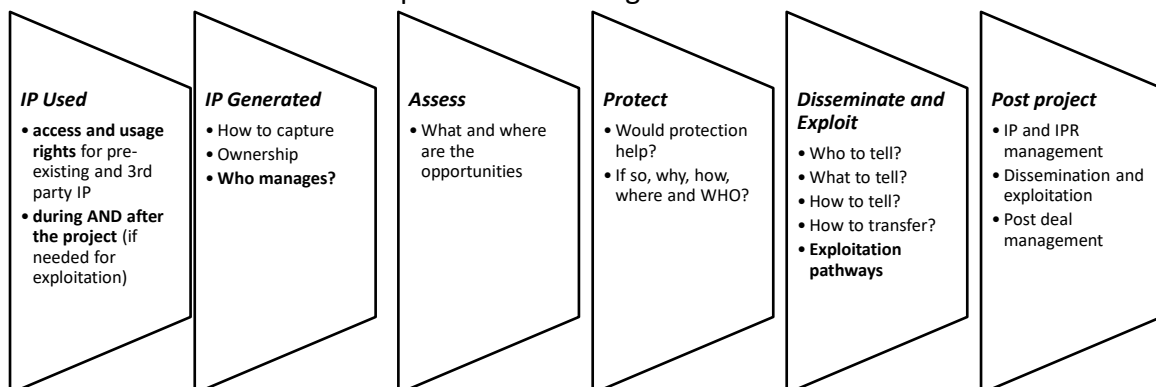
MANAGEMENT OF INTELLECTUAL ASSETS

9

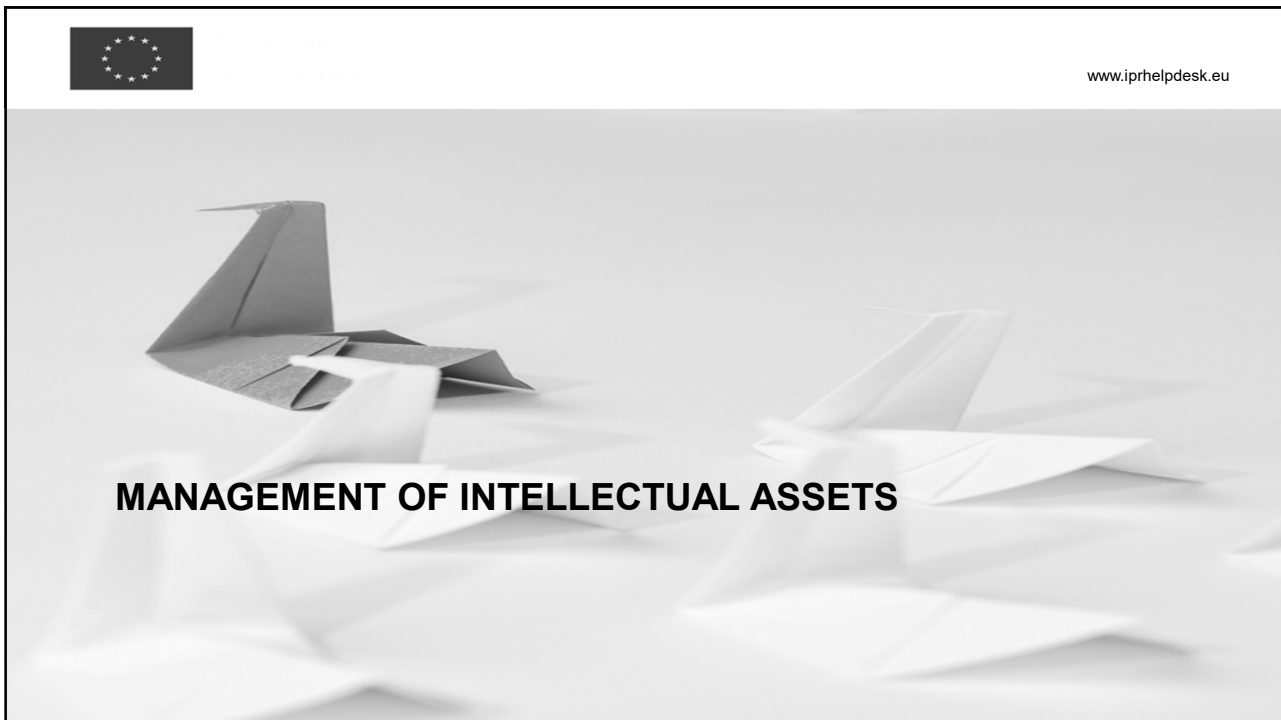


IP Management - Managing the KEY assets!

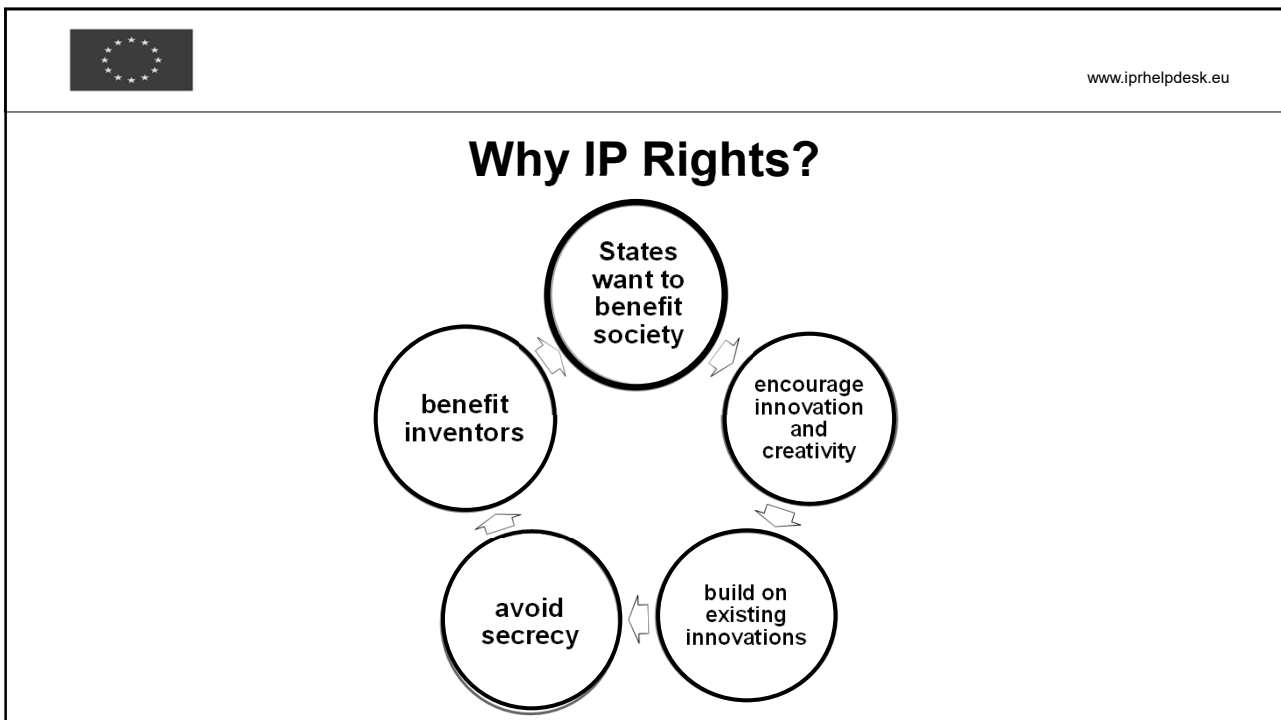
The 6 pillars of IP Management



10



11



12



What is the deal?

legal right to prevent others
using their creation (without
agreement)

commercial purposes (only)

for a **limited period**

disclosing details

**so others can develop new
innovations**

13



Who benefits?

**The state
by avoiding secrecy**

➤ Improves innovation capacity, stimulates
innovation, enriches society


**The creator
by being able to prevent
unauthorised commercial
use**

➤ Unless they come to an agreement (which may be
financial)

**Commercial partners
from the limited monopoly**

➤ To get a return on investment

14

www.iprhelpdesk.eu

Many types of Intellectual Property (IP)

Products of the mind

Assets which can be traded

Inventions

Software code

New methods

Manuals/Reports

Designs
(aesthetic/functional)

Databases

Works of art

Music


Videos

Books

Roadmaps

etc

15

www.iprhelpdesk.eu

Many types of Intellectual Property Right (IPR)

Patents

Copyright

Design Rights

Database Rights

Trade marks

Plant Breeders Rights

Utility Models/petty patents

Plant varieties

etc

Some legal rights come into existence automatically

Some need registration

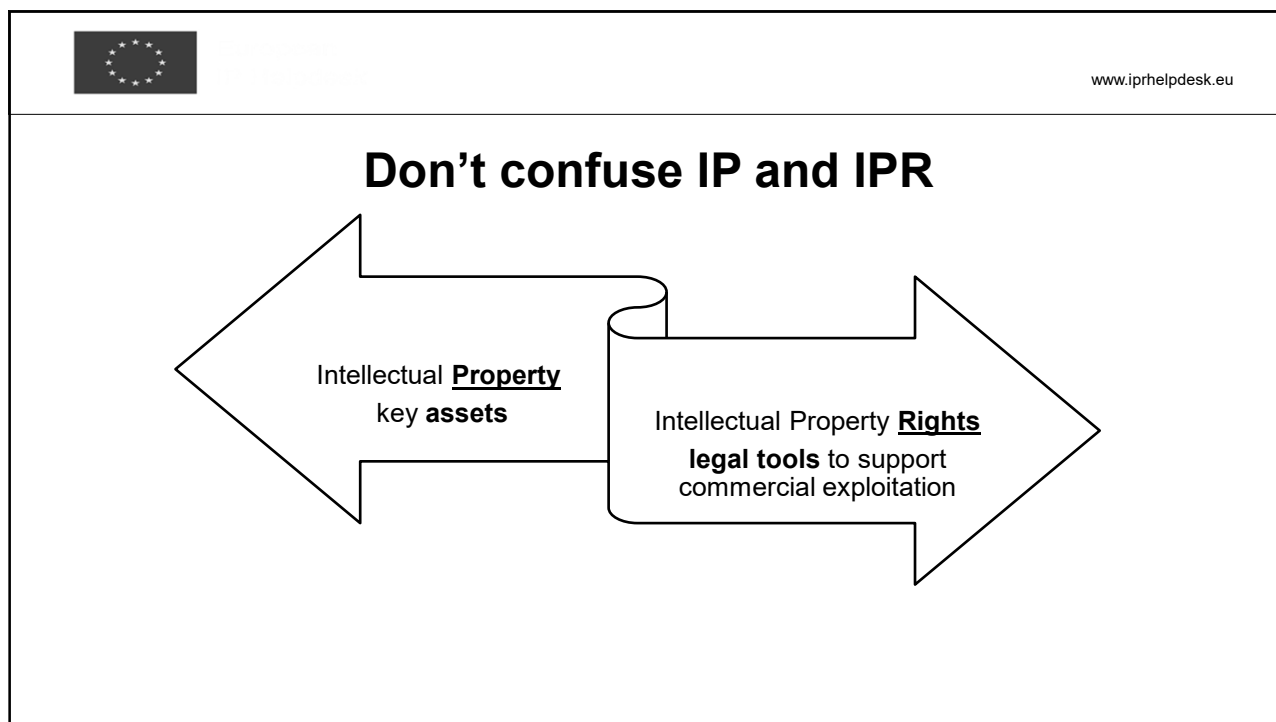
Confidentiality Agreements (Know-how)

Secrets (Trade Secrets)

Time limited rights

National rights

16



17



18



Obligation to protect the results

"Beneficiaries which have received funding under the grant must adequately protect their results for an appropriate period and with appropriate territorial coverage if protection is possible and justified, taking into account all relevant considerations, including the prospects for commercial exploitation, the legitimate interests of the other beneficiaries and any other legitimate interests."

Horizon Grant Agreement

If commercial

- Should you protect it?
- If so, why, how and where?

19



Strategic decisions

Are there
commercial
opportunities?


Would IP protection
support
exploitation?

Benefits greater
than costs?

If so, **invest!**

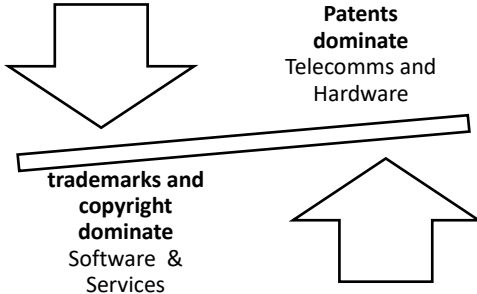
Assessment, protection and exploitation must be considered together

20



www.iprhelpdesk.eu

More than just patents!




Patents dominate
Telecomms and Hardware

trademarks and copyright dominate
Software & Services

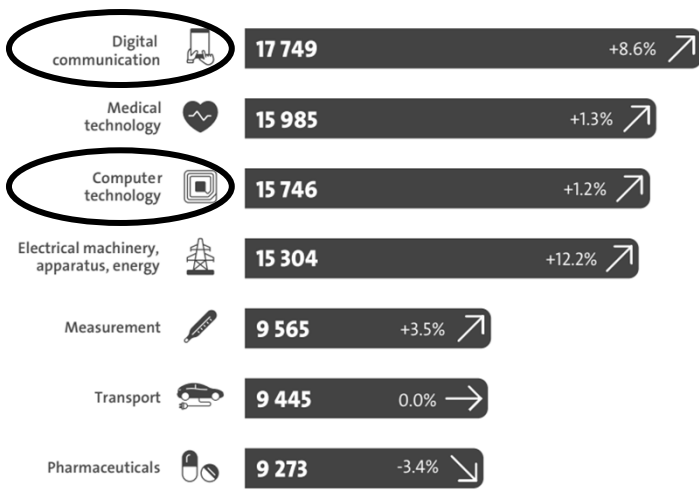
JRC Report, "IP and Innovation in ICT", 2015

21



www.iprhelpdesk.eu

ICT Patents



Digital communication	17 749	+8.6%
Medical technology	15 985	+1.3%
Computer technology	15 746	+1.2%
Electrical machinery, apparatus, energy	15 304	+12.2%
Measurement	9 565	+3.5%
Transport	9 445	0.0%
Pharmaceuticals	9 273	-3.4%

Top technical fields based on European patent applications

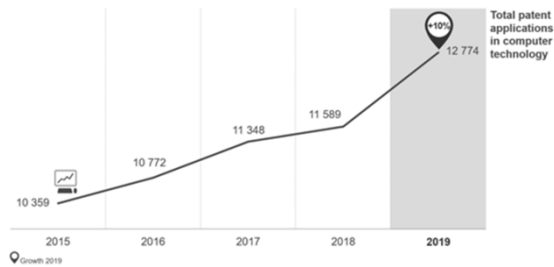
Source: EPO Patent Index 2023

22

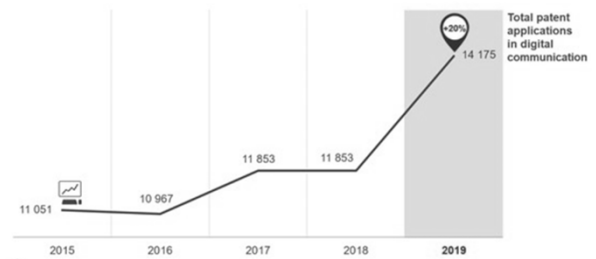


Sharp rise in ICT patents

Sharp rise – Total European patent applications² in computer technology



Total European patent applications² in digital communication

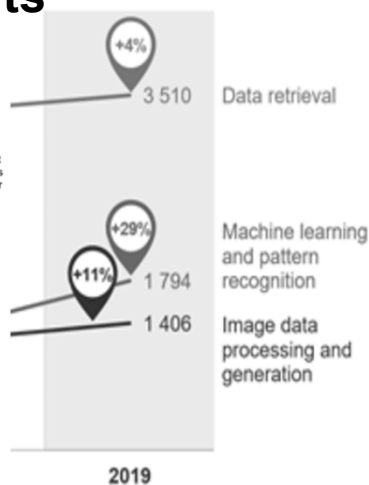
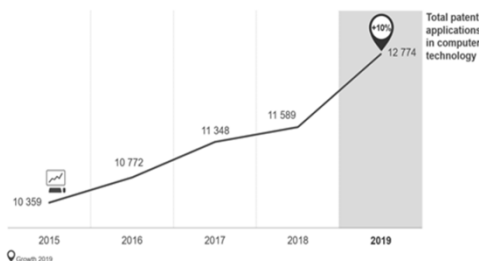


23



Many Software Patents

Sharp rise – Total European patent applications² in computer technology



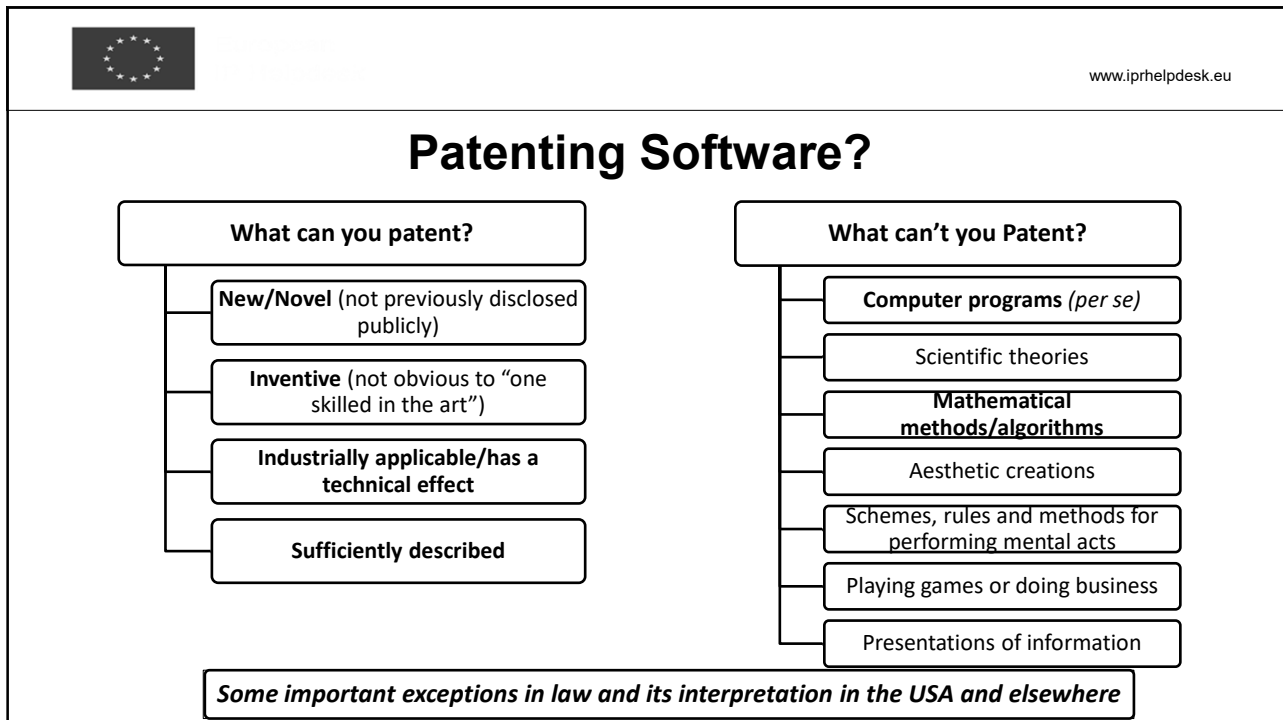
33% of patent applications filed at the EPO in 2010 were intended to protect a computer-implemented invention (**software patents**)

(Fraunhofer/4iP, 2015)

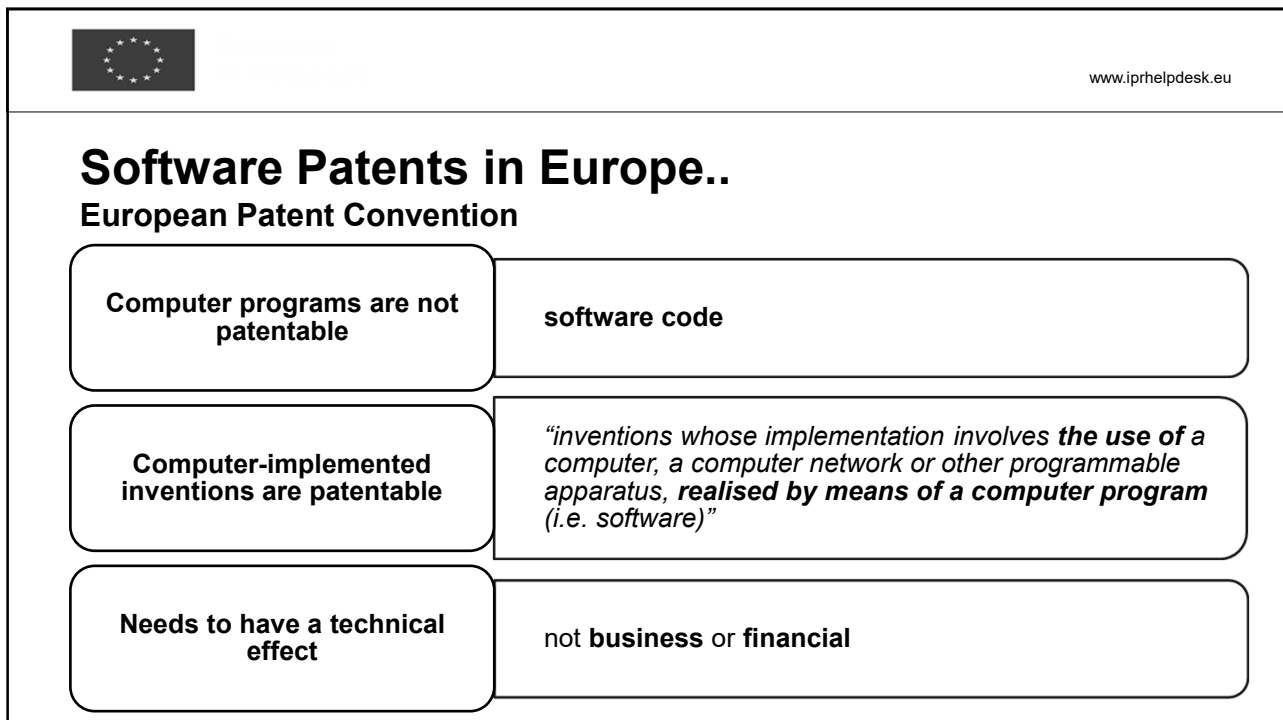
From 2007-2011 nearly **50% of US lawsuits** involved software-related patents

(GAO, 2013)

24



25



26



Software Copyright

Copyrights protects the **expression** of the method **not the method** itself; for example:

- The code as such (source and binary)
- Design material
- User guides
- Graphical elements such as icons

Comes into existence **automatically**

- so **keep good records** to prove date of creation.

Lasts **at least 50 years**

- national variations

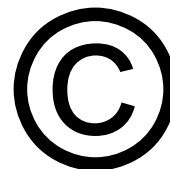
27



Software patent *OR/AND* Software copyright

Patent

Copyright



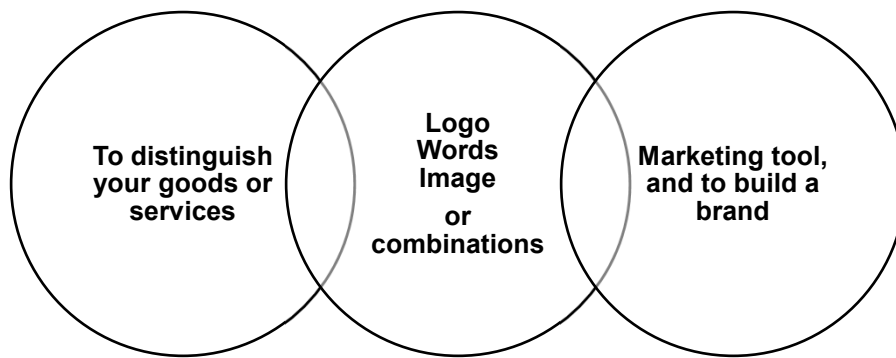
What it **does** (regardless of how expressed)

What it **is** (its expression)

28



Trademarks



29



Brands can be Valuable!!



Source Interbrand **Best Global Brands 2024**

30



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.

31



The AI Act



Official Journal
of the European Union

EN
L series

2024/1689

12.7.2024


REGULATION (EU) 2024/1689 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

of 13 June 2024

laying down harmonised rules on artificial intelligence and amending Regulations (EC) No 300/2008, (EU) No 167/2013, (EU) No 168/2013, (EU) 2018/858, (EU) 2018/1139 and (EU) 2019/2144 and Directives 2014/90/EU, (EU) 2016/797 and (EU) 2020/1828 (Artificial Intelligence Act)

To ensure safe and trustworthy AI, the AI Act puts in place rules for providers of AI based systems, including transparency and copyright-related rules

32



www.iprhelpdesk.eu

The AI Act

Generative AI, like ChatGPT, will have to comply with transparency requirements and EU copyright law


A GPAI (General-Purpose AI) – Code of Practice will be prepared in an iterative drafting process by April 2025, facilitated by the European AI Office

- Disclosing that the content was generated by AI
- Designing the model to prevent it from generating illegal content
- Publishing summaries of copyrighted data used for training
- Content generated with the help of AI (images, audio, video files, deepfakes, etc) – must be clearly labelled as AI generated so users are aware when they come across the content

33



www.iprhelpdesk.eu



VALORISATION OF ICT IP

34



Obligation to exploit the results

"Beneficiaries which have received funding under the grant must — up to four years after the end of the action — use their best efforts to exploit their results directly or to have them exploited indirectly by another entity, in particular through transfer or licensing."

Horizon Grant Agreement

35

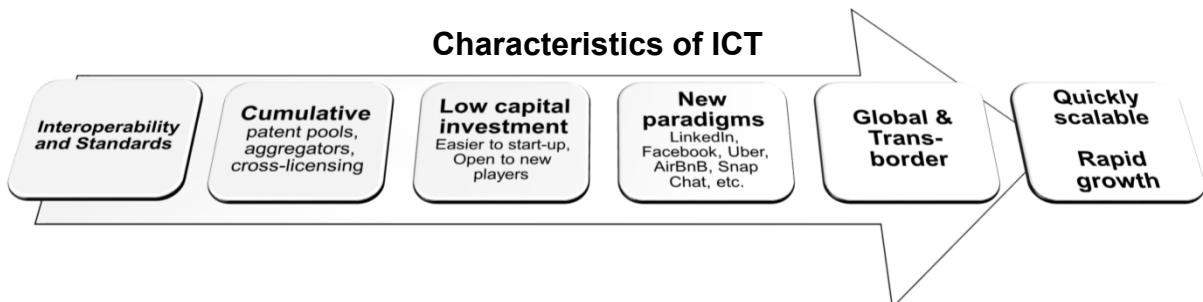


Issues to consider when commercialising ICT


Wide variety of business models

Open/free	Product or service	Per use/seat	one-off fee	subscription based	ad based	voluntary contributions	community supported	etc.
-----------	--------------------	--------------	-------------	--------------------	----------	-------------------------	---------------------	------

Characteristics of ICT


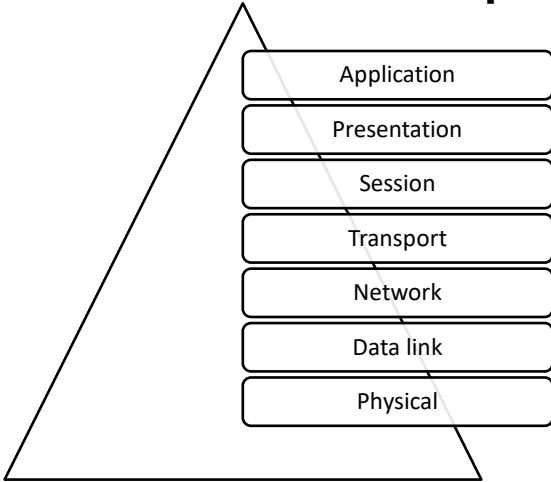


36




www.iprhelpdesk.eu

Standards and Interoperability



Open Systems Interconnection model (OSI model)

37



www.iprhelpdesk.eu

ISO/IEC 21823-1:2019
Internet of things (IoT) — Interoperability for internet of things systems — Part 1: Framework


ISO/IEC 21823-1:2019(E) provides an overview of **interoperability** as it applies to IoT systems and a framework for interoperability for IoT systems. This document enables IoT systems to be built in such a way that the entities of the IoT system are **able to exchange information and mutually use the information** in an efficient way. This document enables **peer-to-peer interoperability between separate IoT systems**. This document provides a common understanding of interoperability as it applies to IoT systems and the various entities within them.


Status : Published
Publication date : 2019-02

38

IP Management in ICT Projects

European IP Helpdesk Webinar

www.iprhelpdesk.eu

HSbooster.eu[About](#) [Projects](#) [Experts](#) [Orientation Tool](#) [Training Academy](#)

Standardisation Support for Research & Innovation Projects

Apply for standardisation expert services to increase and valorise your project results through standardisation

[Learn more](#)

COMMISSION RECOMMENDATION (EU) 2023/498
of 1 March 2023
on a Code of Practice on standardisation in the European Research Area


THE EUROPEAN COMMISSION,

Having regard to the Treaty on the Functioning of the European Union, and in particular Article 292 thereof,

Whereas:

- (1) Standards help researchers and innovators bring their innovation closer to the market and spread technological advances by establishing uniform criteria and by developing methods, practices and procedures which are publicly available in a formal document. European and international standards provide access to large global and regional markets for innovative new products and services.
- (2) Standards offer a basis for the integration of diverse technologies into complex, innovative systems and solutions, and enable interoperability between components, products and services thereby avoiding vendor lock-in and providing more choice for customers globally – a critical role in a world undergoing digital transformation across all industries and sectors.

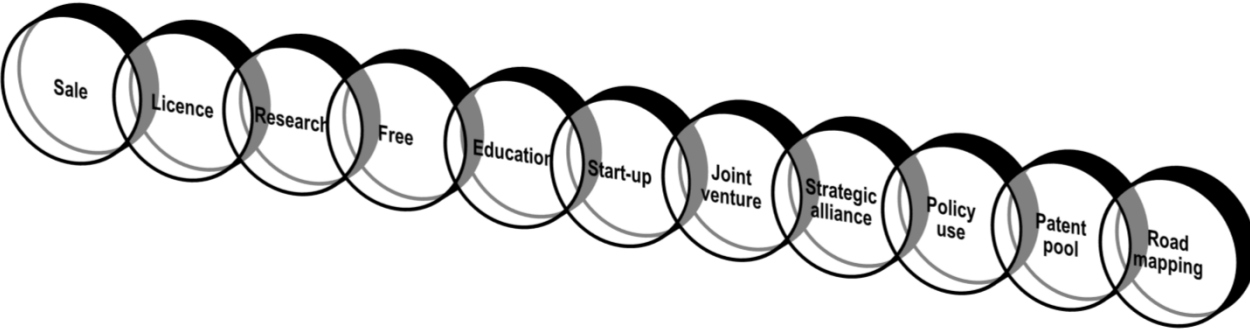
39

www.iprhelpdesk.eu

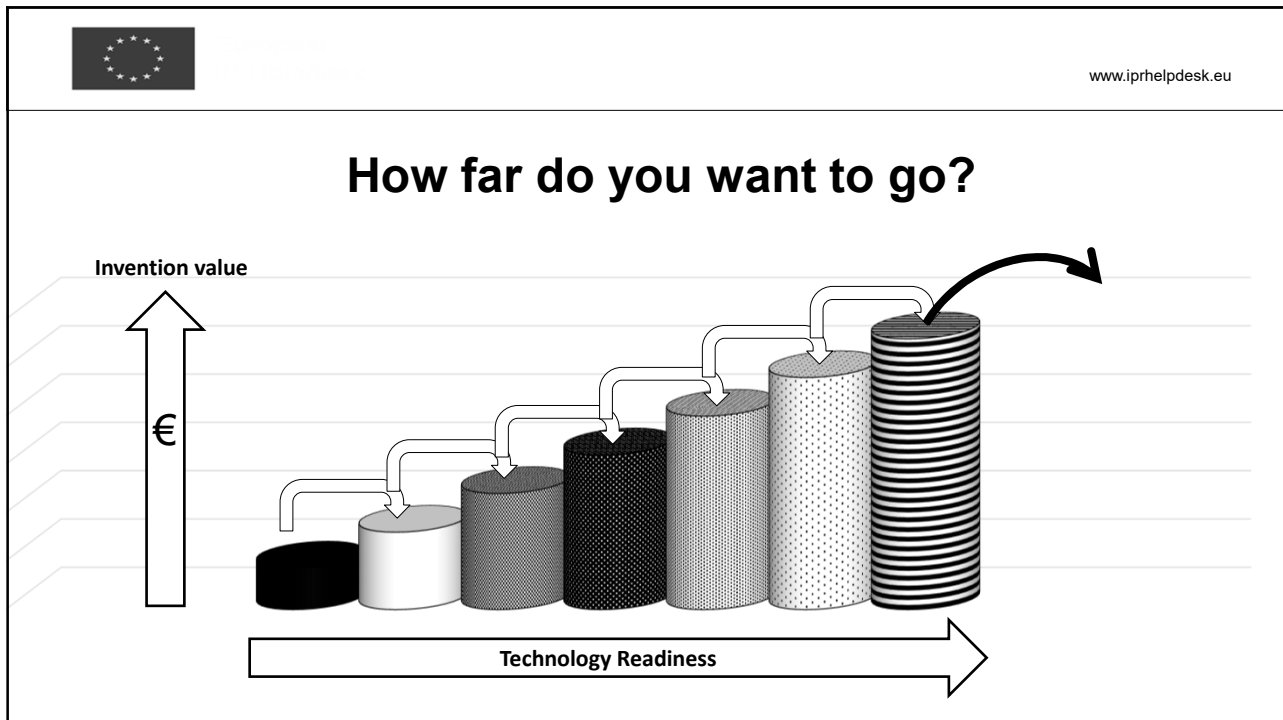
Exploitation Strategies

Like physical property, **intellectual property is a valuable asset** which can be **traded** – bought, sold or leased, given away free, used in JV's, as collateral, etc...

But, many more ways of extracting value...




40



41

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


42


www.iprhelpdesk.eu

ICT ventures

VC funds investing heavily in favour of ICT	Drive for capital growth rather than profitability
Investors don't wait around....	ICT has rapid growth potential
New paradigms, low capital investment and rapid growth	make ICT start-ups attractive for investors

43


www.iprhelpdesk.eu


Licensing (in general)

IP Helpdesk Webinar
"IP Commercialisation and Licensing"

Granting right to use your property under agreed terms and conditions


- Field of use
- Geographic territory
- To validate not sell
- etc

European IP Helpdesk Bulletin No.1 - IP Licensing



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

44




www.iprhelpdesk.eu

Open Source Licences

Just another type of licence!	<ul style="list-style-type: none">• Usually requires source code to be made available• Many different versions and variations• Beware clauses which affect commercial use	Needs management – how will it be funded?
Good for	<ul style="list-style-type: none">• building community of developers and users	How will it be sustainable ?
		Choose only if appropriate and can be justified
		not “policy” or “ideology” decision

45

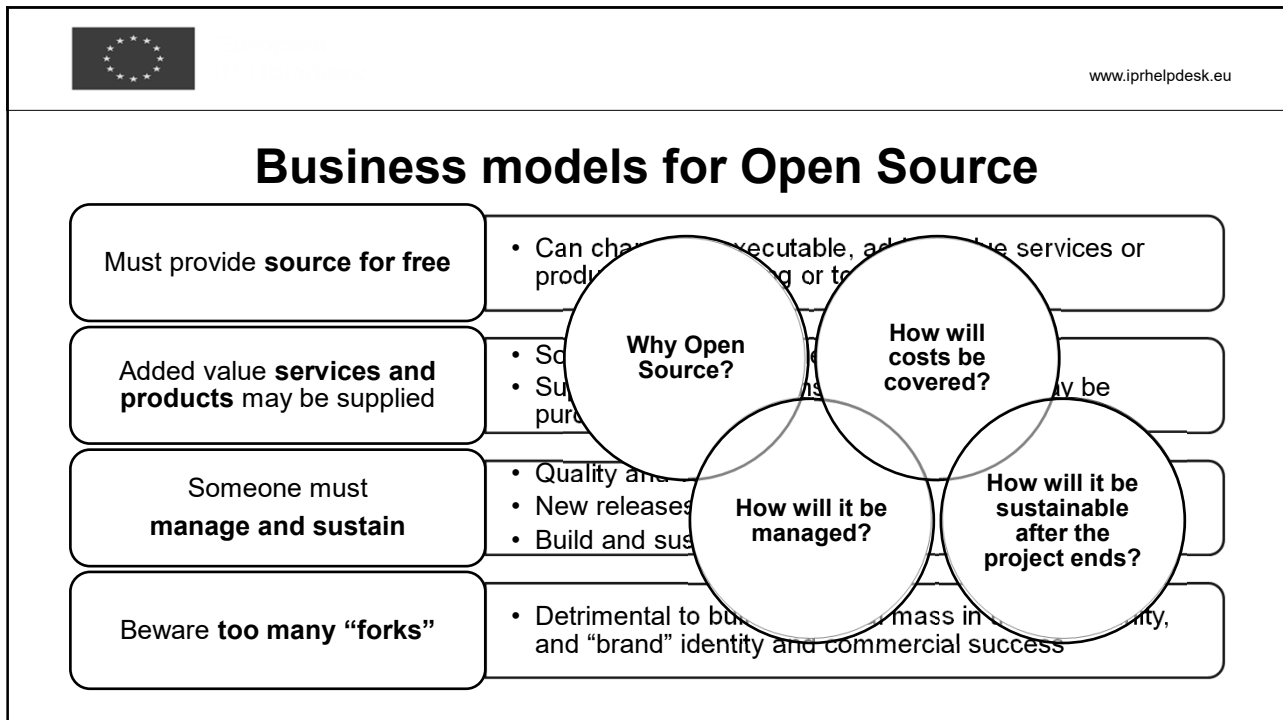


www.iprhelpdesk.eu

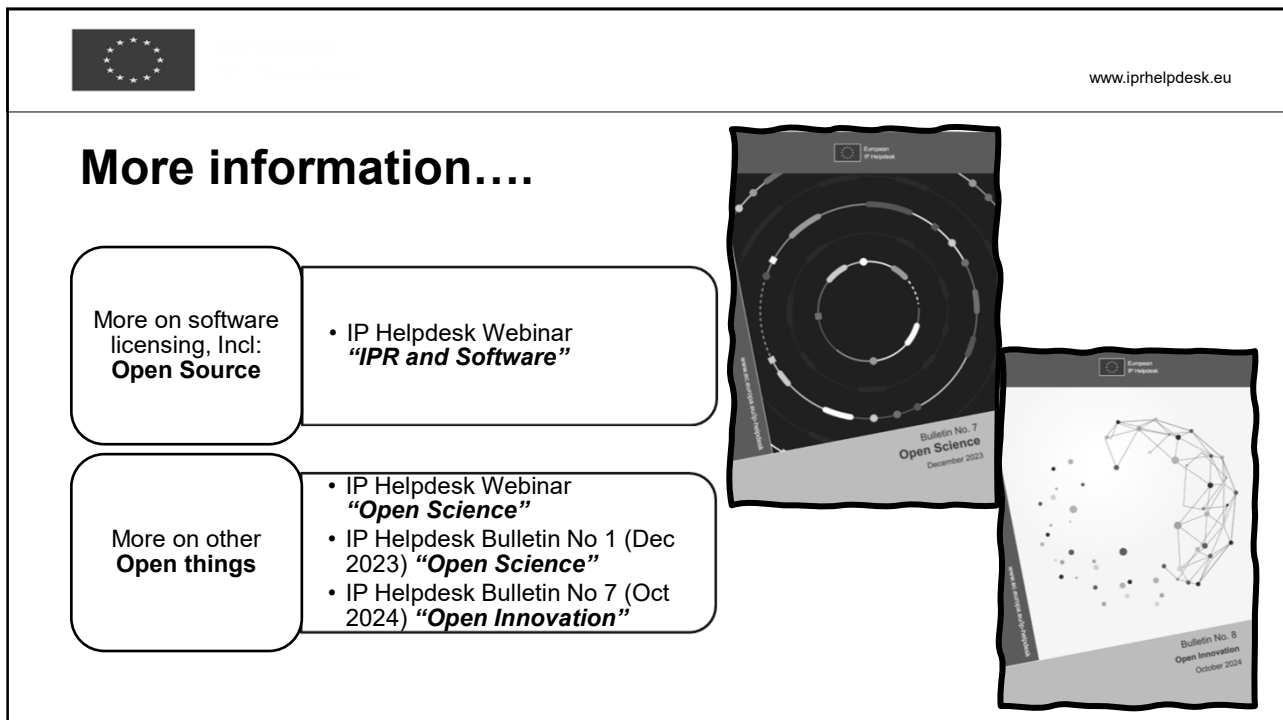
Business models for Open Source

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
Someone must manage and sustain	<ul style="list-style-type: none">• Quality and validation• New releases into community• Build and sustain 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

46



47



48



More Help... “Knowledge Valorisation in R&I Collaborations” Thematic Package from IP Helpdesk

- **Successful Valorisation of Knowledge and Research Results in Horizon Europe**
- **Your Guide to Intellectual Property Management in Horizon Europe**
- **Article: Leveraging Innovation Through Collaboration - IP Challenges And Opportunities For SMEs In The Context Of EU-Funded Collaborative Research Projects**



[Knowledge Valorisation in R&I Collaborations \(europa.eu\)](https://europa.eu/knowledge-valorisation)

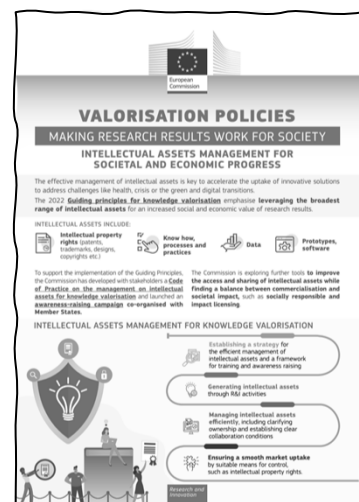
49



5 March 2024

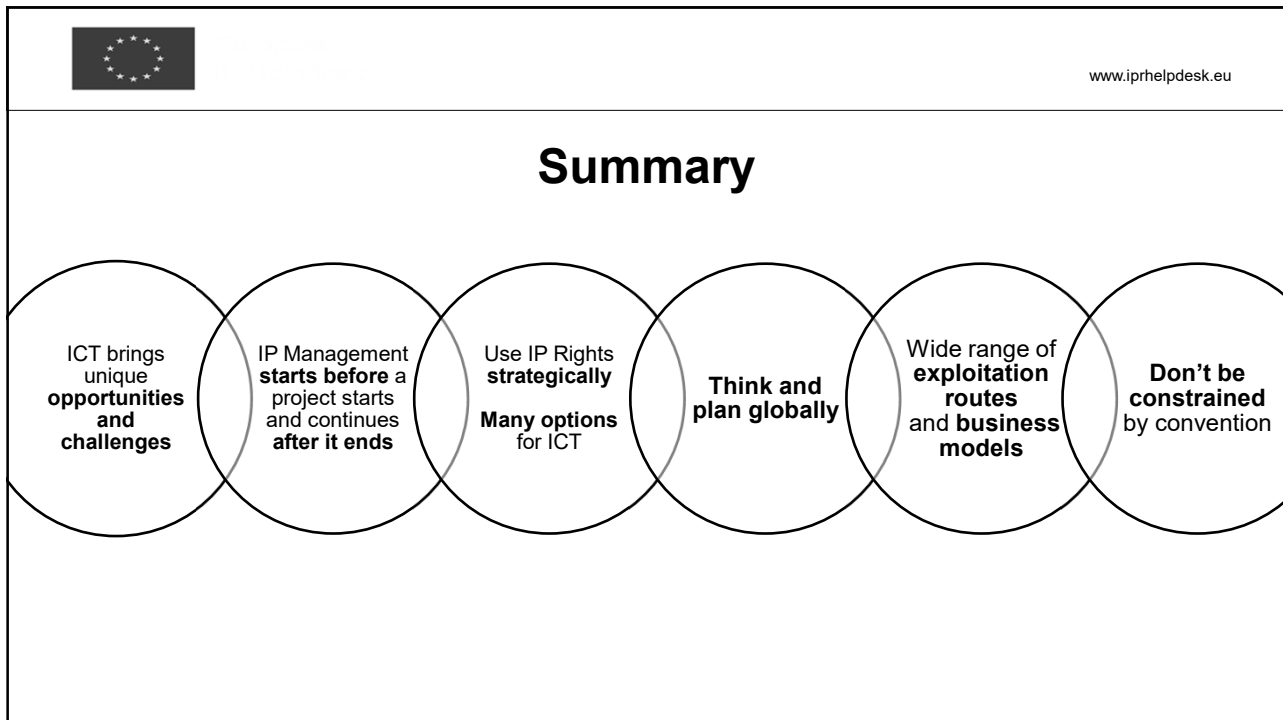


5 March 2024




7 May 2024

50



51



www.iprhelphdesk.eu

DISCLAIMER

The European IP Helpdesk provides free-of-charge first-line support on IP-related issues aiming to help current and potential beneficiaries of EU-funded projects, as well as EU SMEs, manage their Intellectual Property assets.

The European IP Helpdesk is managed by the European Commission's Innovation Council and SMEs Executive Agency (EISMEA), with policy guidance provided by the European Commission's Directorate-General for Internal Market, Industry, Entrepreneurship and SMEs (DG Grow).

The information provided by the European Union IP Helpdesk is not of a legal or advisory nature and no responsibility is accepted for the results of any actions made on its basis. Moreover, it cannot be considered as the official position of EISMEA or the European Commission. Neither EISMEA nor the European Commission nor any person acting on behalf of EISMEA or of the European Commission is responsible for the use which might be made of this information.

© European Union (2025)

Presentation produced by Dr. Eugene Sweeney, Iambic Innovation Ltd.

52