



CENTRE FOR IT & IP LAW

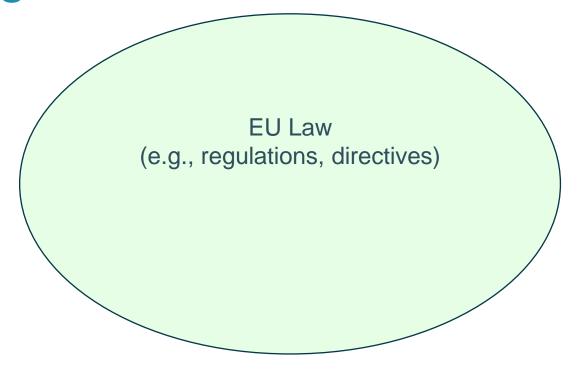
Principles of the EU digital single market legislation applicable to data spaces

European Language Data Space

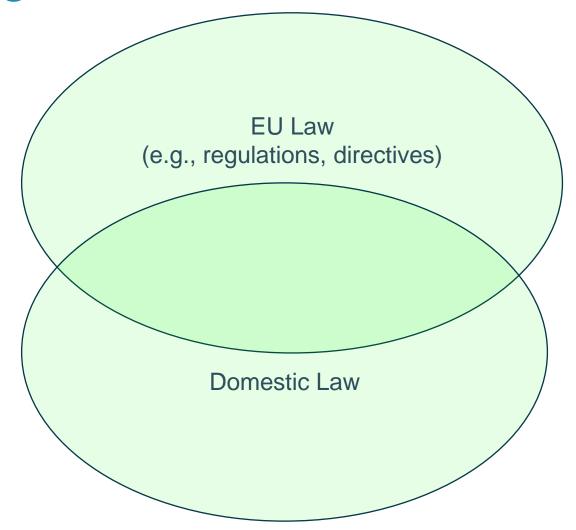
LDS Technology Workshop
Legislation and regulations for data spaces: an environment for the development of a European
Data Market

Prof. Dr. Thomas Margoni Research Professor of Intellectual Property Law Centre for IP & IT Law (CiTiP) Faculty of Law – University of Leuven (KUL)

General legal framework

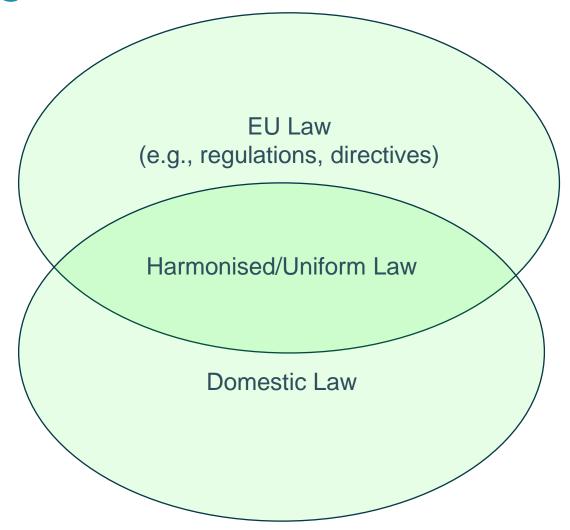


General legal framework

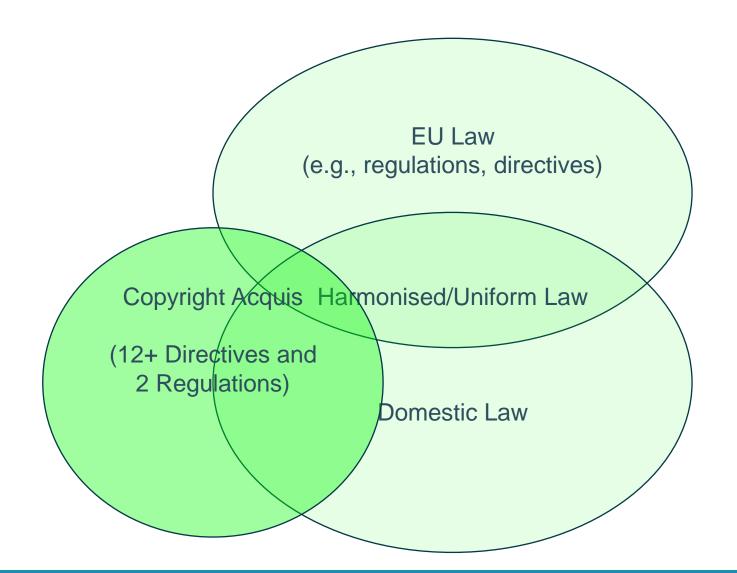




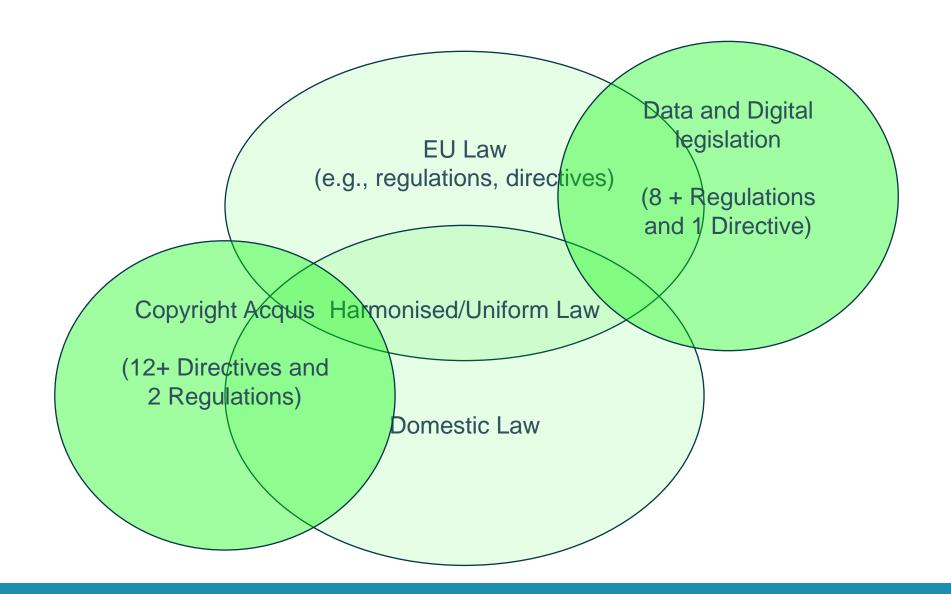
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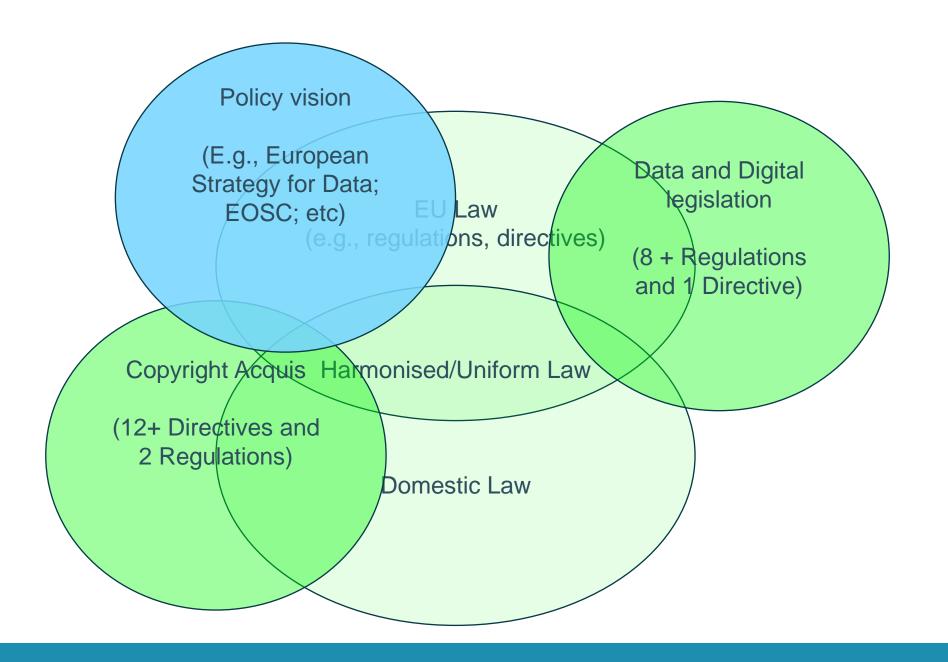




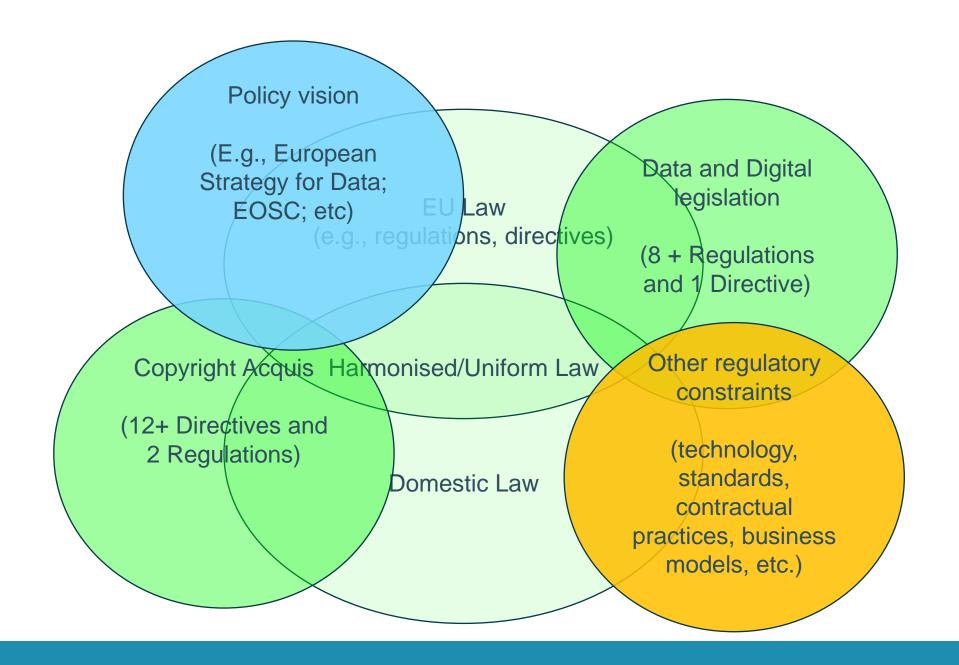




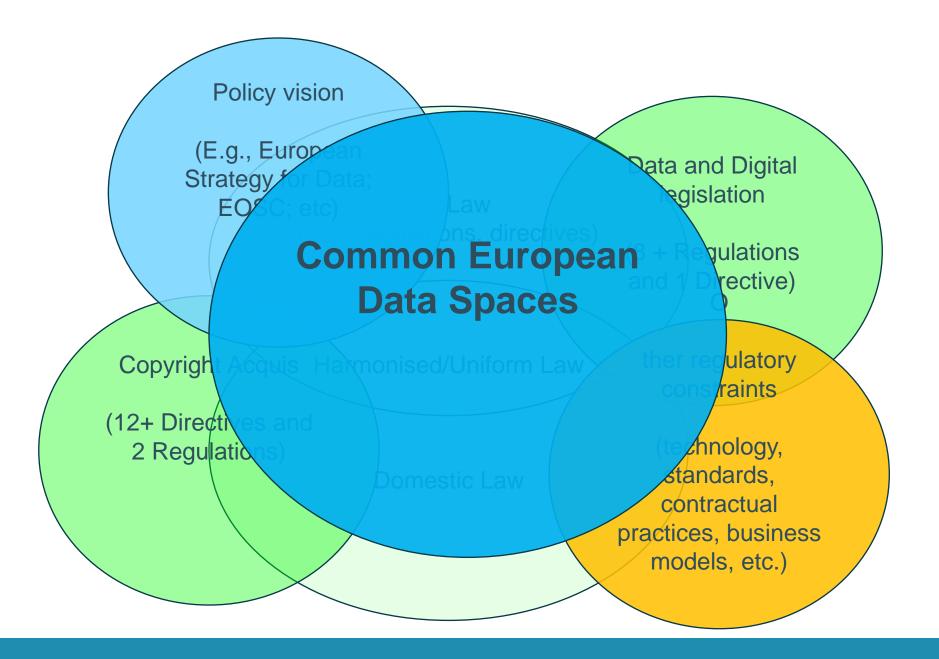














A practical example Mine language sources for model training

 Or any other content that could potentially be protected by copyright and or related rights to copyright (e.g., certain databases)



Generative AI

Original data sources

(e.g., "the Internet", private DB, paywalled or not, TPMs)

Training/testing/validating Data

Raw data, cleaned/curated data, converted and formatted data, may be annotated, or otherwise tagged (supervised, non supervised, reinforced, etc)



Data scraping.

crawling,

selection,

acquisition,

download,

storage

Mining/Learning

Usually a mining/learning algorithm, extracts relevant information (correlations, patterns, etc) from data. Essentially a complex statistical operation. Should abstract, may memorize

Trained model, like large language models

a file containing abstract information usually in form of data distribution (e.g., vectors, patterns, correlations, etc). May contain memorized data

Data processing,

usually

statistical

analysis, etc

Input data

Usually

user
entered,
like
prompts
question
s, but
also
more
complex
informati
on
(pictures,
etc)

Output: TDM

Generation of content is typical of TDM, e.g., information such as patterns, trends, and correlations (Art. 2 CDSM).

Output: Generative Al

Generation of content with varying levels of autonomy, content such as complex text, images, audio, or video (Art. 28b AIA EP text).

Access to data (lawful?)

Exception to RR and CTP of training data to store and give access to training data for verifiability (see DE and IT implementations) Exception to RR/AD and CTP to use and distribute results in case applicable law considers them R or AD



Generative AI

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Output: TDM

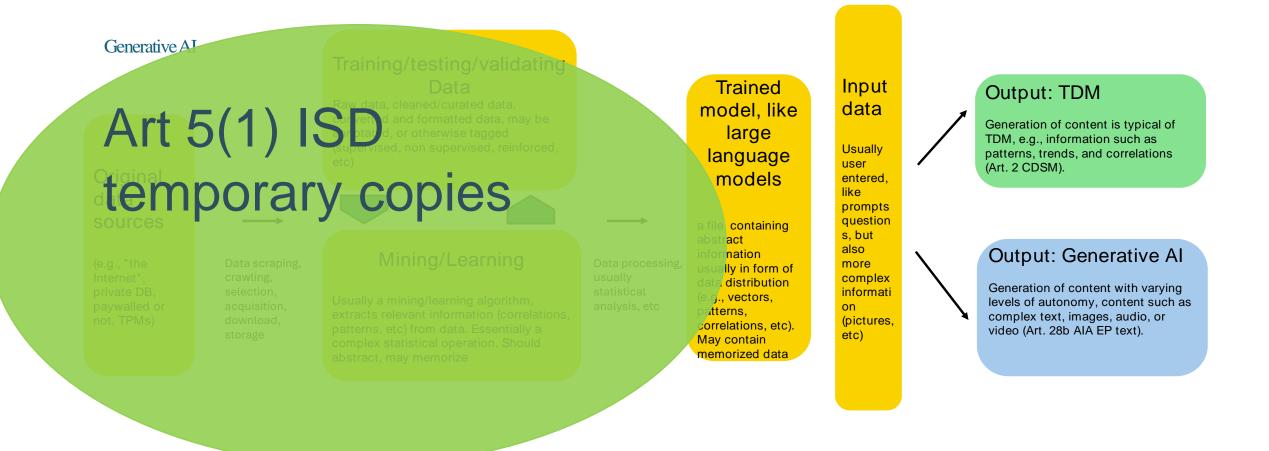
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Art 5 Art 3&4 CDSM (TDM temporexceptions)

Output: TDM

Generation of content is typical of TDM e.g., information such as patterns, trends, and correlations (Art. 2 CDSM).

: Generative Al

Generation of content with varying levels of autonomy, content such as complex text, images, audio, or video (Art. 28b AIA EP text).

Access to data (lawful?)

Exception to RR and CTP of training data to store and give access to training data for verifiability (see DE and IT implementations)

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Art 3&4 CDSM (TDM exceptions)

Output: TDM

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: Generative Al

of content with varying utonomy, content such as text, images, audio, or rt. 28b AIA EP text).

Art. 5(3)(a) ISD (research&teaching)

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Art 5 Art 3&4 CDSM (TDM t€ exceptions)

(e.g., "the Data scraping, Mining/Learning Data processing, Internet Crawling, Data processing, Internet Crawling, Desirate DB Selection, Daywalled or Daywalled

Art 4 trends, and correlations

CDSMD optout

Out

(e.g., tof content with varying text, images, audio, or TDM.txt or Al.txt

Access to data (lawful?)

Exception to RR and CTP of training data to store and give access to training data for verifiability (see DE and IT implementations)

Exception to RR/AD and CTP to use and distribute results in case applicable law considers them R or AD

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Art 3&4 CDSM (TDM tε exceptions)

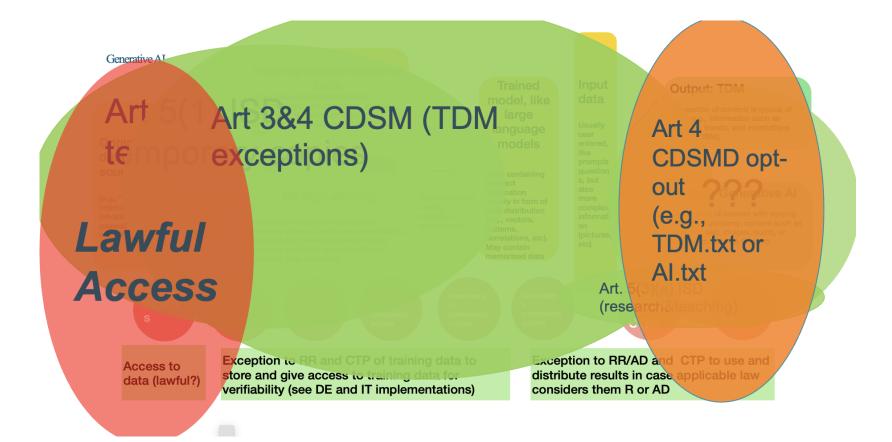
Lawful Access

Access to data (lawful?)

Exception to RR and CTP of training data to store and give access to training data for verifiability (see DE and IT implementations)

distribute results in case applicable law considers them R or AD









Artificial Intelligence Act
Proposal

Risk based approach: forbidden AI, High-Risk, low risk, etc). For High-Risk obligations of diligence in data training

EP amendments for Generative Al to document and disclose a sufficiently detailed summary of training data

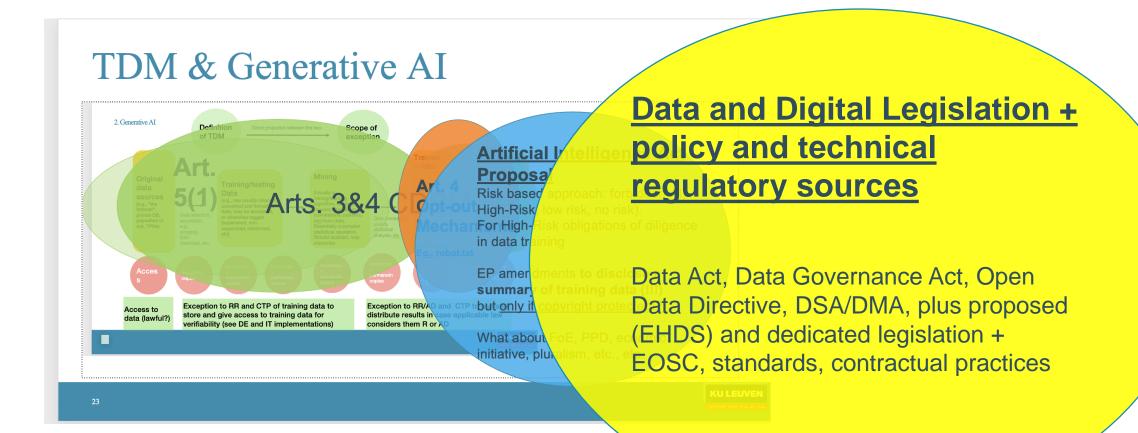


3. Common European Data Spaces (CEDS)

TDM & Generative AI 2. Generative AI Scope of **Artificial Intelligence Act Proposal** 5(1) Data Commented and form Arts Comments 3&4 (Risk based approach: forbidden Al, High-Risk, low risk, no risk). For High-Risk obligations of diligence in data training EP amendments to disclose a summary of training data (!!!) but only if copyright protected!?! Exception to RR and CTP of training data to Exception to RR/AD Access to store and give access to training data for distribute results in data (lawful?) verifiability (see DE and IT implementations) considers them R or What about FoE, PPD, econmic initiative, pluralism, etc., etc. KU LEUVEN

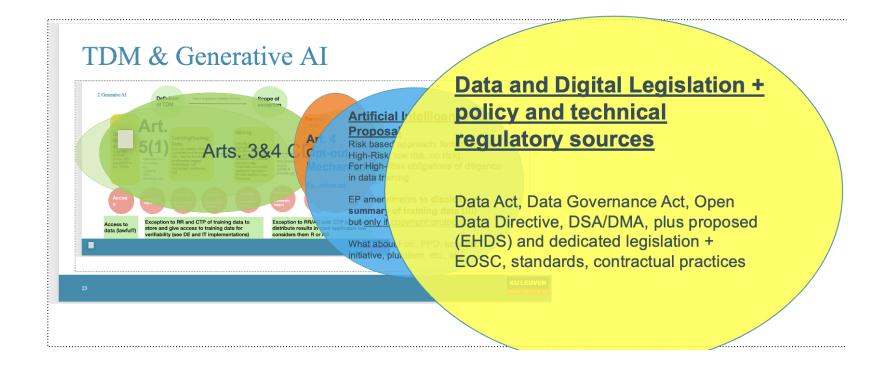


3. Common European Data Spaces (CEDS)





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Some examples of the impact on "data" of DDL

Non personal data access and portability:

- user of IoT has right to access (as co-generator) IoT data for free and to ask data holder to transfer data to designated third party including for commercial purposes (but no to develop directly competing product, yes for secondary markets, repair, additional services)
- Actual positive **B2G obligation to give access to privately held datasets** when request comes from PSB (including ROs) in cases of special need (e.g, climate, health emergencies, etc).
- Right to switch in cloud and hedge
- No SGDR in IoT data



Data property (e.g, copyright, trade secrets, etc)

Ownership and/or exclusive control *de jure* or *de facto*, freedom of contract

Data access, use and portability rights (IoT, B2C, B2B, B2G, etc.)

Technical Protection Measures

Art. 11 DA, e.g., prohibition of circumvention, injunctive relief and damages against users and third parties

Data governance

No to SGDR or any other rights to use IoT data, introduce limitation To freedom of contract, etc.

Yes to Independent administrative authorities, data altruism, fairness in data transactions and value allocation.

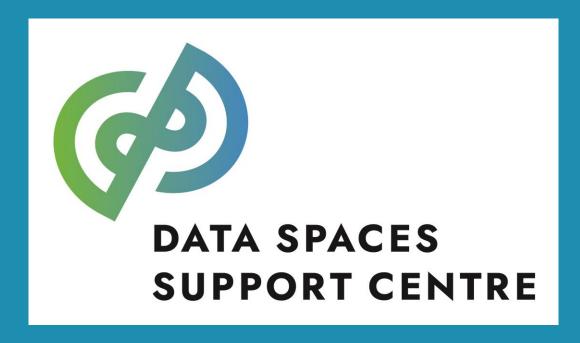




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Aim: To support the creation of common data spaces that collectively provide a data sovereign, interoperable and trustworthy environment for data sharing to enable data re-use within and across sectors, fully respecting EU values and supporting the European economy and society.



The Data Spaces Support Centre receives funding from the European Union Digital Europe Programme under grant agreement no 101083412.



Further readings

- Margoni, Thomas; Strowel, Alain; 2024. Contractual freedom and fairness in EU data sharing agreements, in Research Handbook on Intellectual Property Licensing
- Margoni, et al, **Data property, data governance and Common European Data Spaces** in Computerrecht: Tijdschrift voor Informatica, Telecommunicatie en Recht; 2023, https://zenodo.org/record/7906945
- Margoni, Kretschmer, A deeper look into the EU TDM exceptions: harmonisation, data ownership and the future of technology, in GRUR Int., 2022, https://doi.org/10.1093/grurint/ikac054
- Ducuing, Margoni, et al, White paper on Data Act proposal, CiTiP Working paper 2022, https://lirias.kuleuven.be/retrieve/682728





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Thank you!

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http://www.law.kuleuven.be/citip