



NETWORK SUMMARY AND TIMELINE



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Subject: Erasmus+ Programme – Jean Monnet Activities Projects and Networks

Call for proposals 2019– EAC/A03/2018

JEAN MONNET NETWORK

Network Title	"Sharing Economy and Inequalities across Europe" (SHINE)	
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ABSTRACT

The emergence of enhanced digital brokerage, due to increased computational power and the development of digital platforms aimed to offer new services not only to costumers, but also to service and product providers, has led to the apparition of new market niches and a whole new economy: the so-called sharing economy.

After at least ten years of continuous development and a lot of academic studies on the economic basis of the phenomenon, mostly developed in the United States and by scholars who work there, we can consider that we have a complete and deep understanding of the fundamental dynamics of the sharing economy (also known as collaborative economy or digital platform economy). However, the regulatory challenges which result from these changes are yet to be successfully solved at least, in three essential aspects (which are the **SHINE Network main issues**):

- Neither the EU nor its Member States have managed, for the time being, to draw up a regulatory framework which is able to reconcile the efficiency gains brought by these new business models with the protection of European social values. In order to come up with an appropriate normative response it is vital to carry out exhaustive research on the different regulatory approaches that have already been implemented, evaluating both their social and economic impact. Doing so from a European perspective is essential seeing as, unlike American societies, where most of the research on this issue has been developed, European societies assign priority to social equality over economic efficiency.
- Given the impact big data, automated decision-making and computational power have on digital platform brokerage, these technologies must be closely examined from an interdisciplinary perspective which assesses their role in enhancing digital processes as well as in generating possible situations of social inequality, addressing the regulatory choices in which their efficiency and social effects may result.
- Finally, a rigorous and exhaustive evaluation of the impact on social fairness and inequalities of the regulatory policies applied to already consolidated sharing economy markets, such as transportation or accommodation, should be undertaken in order to produce evidence-based analysis on existing regulatory approaches that could be applied not only to the studied markets but also to others that may have similar structures.



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WORK PROGRAMME

During the lifetime of the Project there will be scientific activities that will accompany all stages of the project with final results: **7 Events** (conferences, round tables, debates, workshops) organized in different places (Barcelona, Rome, Louvain, Palermo and Valencia); **6 training courses**, some of which will be aimed towards students (Bachelors, Masters and PhD) and/or researchers, while other courses will be more specifically aimed towards public administrators, civil society representatives, professional groups and the general public. The **5 research activities** will be carried out throughout the lifetime of the project to ensure the scientific basis to the organization of events and training course and to prepare deliverables as well as the different research results, which include several research papers and a book, a PhD dissertation and several Guides and proposals aimed towards public bodies.



EVENTS

Kick-off meeting: International Conference on the Regulation of the Sharing Economy and Inequalities driven by Digital Markets

Timing: 1st year, 1st semester (November 2019)

Typology: Conference

Person/team in charge: Andrés Boix, Gabriel Doménech and Alba Soriano (University of Valencia).

Brief description: The kick-off meeting of the SHINE Network is designed not only to begin the activities of the network and implement the organisation structure between partners, thus completing the program of activities, research, events and teaching, but also to offer a first International Conference on the Regulation of the Sharing Economy and Inequalities driven by Digital Markets. The goal of the Conference is to produce a first corpus with the state of the science about European Regulation on the Sharing Economy that may be used for further research by the members of the Network (but we intend to offer it and make it available to other scholars by the publishing of the results).

Target groups: Teachers, researchers, administrative and other non-teaching university staff, public administrators, civil society representatives and the general public.

Event number (as identified in SHINE application): 1

Sharing Economy-Cooperative Mobility and Inequalities. The role of the Legislator

Timing: 1st year, 2nd semester (January – June 2020)

Typology: Conference; Roundtable/debate.

Person/team in charge: University of Bologna.

Brief description: Conference on the role of the Legislator and its power to regulate the phenomenon of the sharing economy organised in collaboration with the Italian House of Deputies – IX Commission for Transport, Post and Telecommunications. The Commission's objective is to adapt the Italian regulatory framework to the European one in terms of sharing mobility. Experts, Deputies and Public Officers of the Italian House of Deputies assigned to the Commission will discuss some aspect of inequality treatment related to the new forms of collaborations. The event will be held in Rome.

Target groups: Administrative and other non-teaching university staff, public administrators, civil society representatives and the general public.

Event number (as identified in SHINE application): 3

International Conference "Human and Algorithmic Discrimination in the Sharing Economy"

Timing: 1st year, 2nd semester (January – June 2020)

Typology: Conference; Roundtable/debate.

Person/team in charge: Alain Strowel and Rossana Ducato (Catholic University of Louvain).

Brief description: The goal of the international conference is to explore the different dimensions of digital discrimination in the current sharing economy, taking into consideration not only the discriminatory practices generated by humans but also by algorithms. The event will be a high-level international conference with leading scholars in the field of discrimination law, data protection, consumer protection, and experts of sharing economy. It will be open also to the non-academic community and the format of the roundtable (in the afternoon) will be dedicated to a policy discussion which aims to foster the discussion on concrete strategies for addressing the discriminatory issues experienced by European citizens.

Target groups: Bachelor and Masters' students, public administrators, professional groups, researchers and/or PhD students, civil society representatives and the general public.

Event number (as identified in SHINE application): 4



Contrasting Social Inequalities through Sharing Mobility

Timing: 2nd year, 1st semester (July – December 2020)

Typology: Conference; Workshop.

Person/team in charge: University of Palermo.

Brief description: This event will be aimed at: a) analysing the state-of-the-art of the research about the effects of sharing mobility strategies in promoting social inclusion and contrasting social inequalities; b) exchanging best practices already developed in this field at national and European level; c) identifying effective strategies to be implemented in this field, as well as guidelines and recommendations for their application.

The event will be structured in two parts. The first part will take the form of a conference in which researchers, public administrators, professional groups, and representatives of non-profit organizations will present data, studies and best practices on the use of sharing mobility strategies to foster social inclusion and to prevent social inequalities. The second part will take the form of a participative workshop to explore strategies to be implemented to foster social inclusion and to reduce social inequalities by means of sharing mobility, as well as to identify guidelines and recommendations for the application of these strategies.

Target groups: Bachelor and Masters students, researchers and/or PhD students, public administrators, professional groups, civil society representatives and the general public.

Event number (as identified in SHINE application): 6

Digital Reputation of Workers and Algorithmic Labour Force Management. Risks and perils in Fundamental Rights

Timing: 2nd year, 2nd semester (January – June 2021)

Typology: Conference

Person/team in charge: Adrián Todolí (University of Valencia).

Brief description: The conference will focus on the use of AI tools in the labour market and, in particular, worker recruitment and performance evaluation systems that use digital reputation, their risks and impact on fundamental rights and worker psychosocial health and behaviour.

The objective is for the issues regarding the digital reputation of workers and how automated decisions can affect the human rights of workers to acquire their due relevance; for researchers who are dealing with this subject to meet and share knowledge; for public institutions and national agencies to obtain knowledge on the matter when making their decisions; and to raise awareness amongst workers, unions and consumers regarding the effects and impact on Human Rights of this type of work evaluation system.

Target groups: Teachers, researchers and/or PhD students, public administrators, professional groups, civil society representatives and the general public.

Event number (as identified in SHINE application): 5

Conflict Management and Public Policy in the Transport Sector the European Way

Timing: 3rd year, 1st semester (July – December 2021)

Typology: Conference

Person/team in charge: University of Barcelona

Brief description: The objective of this conference is sharing and transferring the results of public policies aiming at resolving the conflict between transportation network companies and taxi-drivers. Also, the invited European scholars and policy makers can present their proposal for decision-makers which could result in overall welfare gains. It is expected that this conference will contribute to the evolution of the European transport sector through sharing solutions and know-how in order to influence policy and practice to come up creative solutions when private sector innovation can lead to conflict as a by-product.

Target groups: Researchers and/or PhD students, public administrators and civil society representatives.

Event number (as identified in SHINE application): 2



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Final event: presentation of results

Timing: 3rd year, 2nd semester (January – June 2022)

Typology: Workshop

Person/team in charge: University of Valencia

Brief description: The final will consist of a final workshop with the representatives of each partner of the SHINE Network as well as a presentation of the final results of the research, teaching and other activities conducted from 2019 to 2022. The event will be the opportunity to present the different deliverables produced within the SHINE Network. We will offer those deliverables to Public Administrations.

Target groups: Teachers, researchers and/or PhD students, public administrators, professional groups, civil society representatives and the general public.

Event number (as identified in SHINE application): 7



TEACHING/TRAINING

Management solutions and best practices for European Sharing Cities

Timing:

- 1st edition: 1st year, 2nd semester (January – June 2020: 5h, one day)
- 2nd edition: 2nd year, 2nd semester (January – June 2021: 5h, one day)
- 3rd edition: 3rd year, 2nd semester (January – June 2022: 5h, one day)

Typology: Seminar; continuing education and training activities (Masters module).

Person/team in charge: Giorgia Pavani (University of Bologna).

Brief description: The training course will offer a concrete support to the public administrator to elaborate new policies and regulatory measures within a new normative framework as well as to Public Officers to follow good practices, in a multinational dimension. The training course will be organized by the University of Bologna within the "City Management" Master, I^o Level as a didactic module. Because of the similar form of organization of the governance of the municipalities in Italy and in Spain, the didactic module will be made available for a group of Spanish public officers to compare practices, normative solutions, etc.

Target groups: Public Officers of Region, Metropolitan Cities, Provinces, Municipalities. 30 Public Officers in Italy and, only for the 3rd edition, 15 Public Officers in Spain.

Teaching/training number (as identified in SHINE application): 2

MOOC on the Regulation of the Sharing Economy

Timing:

- 1st edition: 2nd year, 1st semester (July – December 2020), 180h.
- 2nd edition: 3rd year, 1st semester (July – December 2021), 180h.

Typology: Workshop.

Person/team in charge: Andrés Boix and Adrián Todolí (University of Valencia).

Brief description: The main general teaching action designed within the network will be the offer of a MOOC on every legal aspect of the Sharing Economy, with a special focus on the different regulatory challenges both at the European level (most of them closely related to inequality issues) and within the scope of Member States' legislations.

The course will be offered in English as a complete post-graduate degree, but from this main course of 180 hours we will be also able to select specific parts and to offer as open and free-access MOOC courses on specific topics.

Target groups: Academics, students and public officers. 50+ students per edition.

Teaching/training number (as identified in SHINE application): 1

Sharing Mobility and Social Inequalities

Timing: 2nd year, 1st semester (July – December 2020: 8 hours, two days)

Typology: Seminar.

Person/team in charge: Guido Smorto (University of Palermo).

Brief description: Training course aimed at exploring the linkages between sharing mobility and social inequalities, providing participants with knowledge and tools to promote social inclusion by means of sharing mobility activities. The objective is to raise participants' awareness on the state of the art in the field of sharing mobility systems; to enhance participants' knowledge on the potential of sharing mobility systems for contrasting social inequalities and to create skills to imagine and design sharing mobility solutions to contrast social inequalities at the urban level.

Target groups: People working in non-profit organisations and NGOs as well as University students. 20 students.

Teaching/training number (as identified in SHINE application): 6



Lessons from analysing the international experiences in regulation and competition of traditional taxi and rail-hailing platform services

Timing:

- 1st edition: 2nd year, 1st semester (July – December 2020: 6h, one day)
- 2nd edition: 3rd year, 1st semester (July – December 2021: 6h, one day)

Typology: Seminar (Masters/postgraduate/doctoral studies).

Person/team in charge: Joan-Ramon Borrell (University of Barcelona).

Brief description: One-day lecture series with invited professors and/or consultants that have analysed international experiences in regulation and competition of traditional taxi services and rail-hailing platform service. The lectures will offer synthetically the lessons from evidence-based policy analysis, and will provide evidence-based policy recommendations.

Target groups: Mainly masters and doctoral students. 25 students per edition.

Teaching/training number (as identified in SHINE application): 3

Share means Fair: Legal Design Seminar

Timing: 2nd year, 2nd semester (January – June 2021: 13,5h, two days)

Typology: Lecture; Seminar; Continuing education and training activities.

Person/team in charge: Rossana Ducato (Catholic University of Louvain).

Brief description: The Legal Design workshop “Share means fair” is a tailor-made course of 2 days, which aims at providing a deeper understanding of the discrimination issues in the sharing economy, by combining frontal lessons with practical training sessions and the adoption of the innovative methodology of Legal Design. The latter is a novel approach, based on problem-solving and active learning that has proven to be successful and engaging for the study of complex legal problems. The UCLouvain team will build on its experience gained with the Jean Monnet Module “European IT Law by Design”, where legal design is the core didactic tool.

Target groups: Start-ups and small-medium enterprises running a sharing economy business in Belgium, representatives of consumer associations and NGOs (e.g., EDRI), and University students. 25 students.

Teaching/training number (as identified in SHINE application): 4

Summer School on the Challenges of the Regulation of the Sharing Economy

Timing: 2nd year, 2nd semester (January – June 2021: 25 hours, four days)

Typology: Lecture; Seminar; Continuing education and training activities (Summer school).

Person/team in charge: Andrés Boix and Gabriel Doménech (University of Valencia).

Brief description: The Summer School on the Challenges of the Regulation of the Sharing Economy is designed as a four-day international conference aimed at European young scholars, PhD candidates and students from European Universities, in particular from the Universities that are part of the SHINE Network. The main goal of the Summer School is to offer a broad and complete understanding of the problems and challenges posed by the emergence of the sharing economy, throughout formal lessons on the subject, the explanation of regulatory alternatives and training sessions with problem-solving and active learning.

Target groups: Students, PhD candidates and young scholars from European Universities. 25 students.

Teaching/training number (as identified in SHINE application): 5



RESEARCH

Algorithms, Inequalities and the Digital Economy (Research #1)

Timing: September 2019 – June 2022

Person/team in charge: Andrés Boix and Alba Soriano (University of Valencia).

Brief description: This research will focus on studying the risks associated to automated decision-making and platform-based discrimination; inequality risks associated to exclusion in high competitive markets and social side effects of data-driven and digitally brokered markets; and, competition based risks.

Timing of resulting publications:

- **January – June 2021:** One scientific paper by PhD candidate (Alba Soriano) involved in the research.
- **January – June 2021:** One scientific paper by Dr. Boix on the legal design solutions to improve social and economic efficiency in the sharing economy.
- **January – June 2022:** Deliverable #2 (as identified in SHINE application): "Guide of Assessments of the Effects of Sharing Economy: Regulatory Approaches in the Reduction of Inequalities and other Social Impacts".
- **January – June 2022:** A book on the impact of the different regulatory approaches with a complete study of the cases of accommodation and transportation.

Research Activity number (as identified in SHINE application): 1

Survey on Attitudes and Perceptions of actual and potential users by Gender of Traditional Taxi services and Rail-hailing Platform services: the case of Barcelona and service Gender bias (Research #2)

Timing: September 2019 – June 2022

Person/team in charge: Germà Bel (University of Barcelona).

Brief description: This research will focus on obtaining the attitudes and perceptions of users of taxi and rail-hailing services by gender and age before and after the change of regulations regarding these two types of transport service provision. The objective is to provide information regarding the underlying user preferences that are currently not present in the debates nor in the design of policy reforms in this sector. The survey will be a source of primary information to estimate the gender bias of traditional taxi and rail-hailing service policy reforms.

Timing of resulting publications: Papers using quantitative techniques that allow to estimate the heterogeneous impact of policy reforms comparing not only the before and after impact, but also the differential impact of some actual or potential users by gender and age:

- **January – June 2021:** One scientific paper.
- **January – June 2022:** One scientific paper.

Research Activity number (as identified in SHINE application): 2

Digital Discrimination in the Sharing Economy: Pitfalls and Legal design Strategies for online Platforms (Research #3)

Timing: September 2019 – June 2022

Person/team in charge: Rossana Ducato and Enguerrand Marique (Catholic University of Louvain).

Brief description: On the one hand, the research will perform a literature review of the discriminatory practices highlighted by scholars in the field of behavioural law and economics, data protection and anti-discrimination law. Then, an empirical research on a representative set of platforms operating in the sectors of mobility and accommodation at the European level will be performed in order to contrast and compare the choice architecture of such platforms with the discriminatory practices identified in the literature review.



On the other hand, the research will propose regulatory, contractual and technical solutions to reduce the risks of digital discrimination.

Timing of resulting publications:

- One scientific paper by the PhD candidates involved in the research and one scientific paper by Dr. Ducato on the legal design solutions to prevent discrimination in sharing economy platforms:
 - **January – June 2021:** One scientific paper.
 - **January – June 2022:** One scientific paper.
- **January – June 2022:** Deliverable #6: Proposal for a Legal Design Manifesto on “Brighter patterns” to fight discrimination in the sharing economy

Research Activity number (as identified in SHINE application): 3

A Legal Administrative Framework for Algorithmic Discrimination (Research #4)

Timing: September 2019 – June 2020

Person/team in charge: Alba Soriano (University of Valencia)

Brief description: The thesis focus on identifying the different ways in which algorithms can produce discrimination and analysing the current Data Protection framework as the main regulatory mechanism to deal with algorithmic discrimination and its shortcomings. The thesis also puts forward a series of proposals regarding the administrative law mechanisms that can be used in order to prevent and deal with situations of algorithmic discrimination.

Timing of resulting publications:

- **January – June 2021:** Deliverable #3 (as identified in SHINE application): “Administrative Guidelines to avoid Gender Discrimination in the Sharing Economy”.
- **January – June 2021:** Thesis.

Research Activity number (as identified in SHINE application): 4

Working Conditions of Platform Workers: the Youtuber and Instagrammer’s Case (Research #5)

Timing: September 2019 – June 2022

Person/team in charge: Adrián Todolí (University of Valencia)

Brief description: The thesis focus on identifying the different ways in which algorithms can produce discrimination and analysing the current Data Protection framework as the main regulatory mechanism to deal with algorithmic discrimination and its shortcomings. The thesis also puts forward a series of proposals regarding the administrative law mechanisms that can be used in order to prevent and deal with situations of algorithmic discrimination.

Resulting publications:

- **January – June 2021:** Deliverable #4: Proposal of a “Bill of Rights for Digital Workers in a New Economy”.
- Two papers in International Journals in English on “Profile and the existing career path to youtuber” (The results of the survey) and “Labour conditions and safety (psychological risks) of youtubers”.
 - o **January – June 2021:** One scientific paper.
 - o **January – June 2022:** One scientific paper.

Research Activity number (as identified in SHINE application): 5



DELIVERABLES

SHINE project website

Timing: January – June 2020

Typology: Website

Language: Spanish and English

Person/team in charge: University of Valencia.

Brief description: The objective of the website is to promote the different activities and the SHINE project itself as well as provide visibility to related issues within the institutions participating in the Jean Monnet Action and outside, acting as a useful technical tool for policy makers, researchers, mayors, city officers, to ensure continuous professional updating. All information, including all the materials taught, will be made available to interested students, administrators, city officers and general public. Within the website there will be a “Virtual Data Room” (VDR); this will be a virtual container where it will be possible to collect and download all the materials (teaching materials and other) and chat online with researchers and team members. The website will be linked to social networks (Facebook and Twitter) in order to increase its visibility.

Deliverable number (as identified in SHINE application): 5

Administrative Guidelines to avoid Gender Discrimination in the Sharing Economy

Timing (estimated): January – June 2021

Typology: Website.

Language: English.

Person/team in charge: University of Valencia.

Brief description: This deliverable intends to produce and publish a list of Guidelines to Public Administrations on gender discrimination and the sharing economy in order to: identify possible risks and events that may lead to gender discrimination in the different markets where the sharing economy has been implemented; focus on apparently neutral forms of automated decision-making in digital markets which can inadvertently, through the use of proxy variables, end up discriminating women; list the different regulatory solutions implemented in different countries to prevent or to diminish those risks; assess the effects of the different implemented remedies, identifying the empirical studies and academic evaluations on the matter; issue administrative guidelines, offering regulatory templates to address risks of gender discrimination.

Partial result of Research Activity: 4 (“A legal administrative framework for algorithmic discrimination”).

Deliverable number (as identified in SHINE application): 3

Proposal of Bill of Rights for Digital Workers in a New Economy

Timing (estimated): January – June 2021

Typology: Didactic materials; Website.

Language: English.

Person/team in charge: University of Valencia.

Brief description: The idea behind this proposal is to offer to students and young people a Guide of their traditional rights, but adapted to current times, and the new job opportunities that the sharing economy offer.

Partial result of Research Activity: 5 (“Working conditions of platform workers: The Youtuber and Instagrammer’s case”)

Deliverable number (as identified in SHINE application): 4



Best Practices Guide on Conflict Management and Public Policy in the Transport Sector

Timing (estimated): January – June 2022

Typology: Database; Book/e-Book.

Language: English.

Person/team in charge: University of Barcelona.

Brief description: The conflict between taxi-drivers and transportation network companies raises many questions which need to be dealt with urgently. The Guide will be able to explain this issue from the European perspective and based on case studies, it will clarify why some public policies were more effective in managing this conflict, while others made it even worse. The Guide will provide answers to question on who, what and how should be regulated based on some specific criteria. Overall, the Guide will help Public Administrations across Europe to propose public policy responses to private sector innovation in the transport sector.

Deliverable number (as identified in SHINE application): 1

Guide of Assessments of the Effects of Sharing Economy: Regulatory Approaches in the Reduction of Inequalities and other Social Impacts

Timing (estimated): January – June 2022.

Typology: Virtual platform; Book/e-Book.

Language: English.

Person/team in charge: University of Valencia.

Brief description: With this deliverable, we intend to produce a corpus of analyses and assessments on the impact of the different regulatory choices in digitally brokered markets implemented in the European Union, especially in relation to economic efficiency and social inequalities. The objective is to offer a complete data-base of previous experiences and a legal, social and economic evaluation of the impact of different regulatory approaches in order to influence decision-making across the European Union, favouring informed decisions at the local, regional and State levels.

Partial result of Research Activity: 1 ("Algorithms, Inequalities and the Digital Economy")

Deliverable number (as identified in SHINE application): 2

Proposal for a Legal Design Manifesto on "Brighter patterns" to fight discrimination in the sharing economy

Timing (estimated): January – June 2022

Typology: Best practices and recommendations directed to sharing economy platforms' operators (dissemination through website).

Language: English.

Person/team in charge: Catholic University of Louvain.

Brief description: The Manifesto aims to formulate principles and recommendations directed to operators of sharing economy platforms for developing choice architectures and rating mechanisms that will help to reduce the risk of discrimination. As an annex to the Manifesto we will list a catalogue of the identified "dark patterns" (strategies that, exploiting bias and heuristics, can potentially lead to discrimination) and "bright patterns" (good practices and virtuous examples). This deliverable will be based on research activity #3 dedicated to the study and analysis of best practices for reducing discriminatory factors in the sharing economy.

Partial result of Research Activity: 3 ("Digital Discrimination in the Sharing Economy: Pitfalls and Legal design Strategies for online Platforms")

Deliverable number (as identified in SHINE application): 6



GENERAL TIMELINE

September – December 2019

Title	Person/team in charge	Type of activity
Kick-off meeting: International Conference on the Regulation of the Sharing Economy and Inequalities driven by Digital Markets	UV	Event
+ Beginning of all research activities (#1-5): <ol style="list-style-type: none"> 1. Algorithms, Inequalities and the Digital Economy (Andrés Boix and Alba Soriano - UV) 2. Survey on Attitudes and Perceptions of actual and potential users by Gender of Traditional Taxi services and Rail-hailing Platform services: the case of Barcelona and service Gender bias (Germà Bel - UB) 3. Digital Discrimination in the Sharing Economy: Pitfalls and Legal design Strategies for online Platforms (Rossana Ducato and Enguerrand Marique - UCLouvain) 4. A Legal Administrative Framework for Algorithmic Discrimination (Alba Soriano - UV) 5. Working Conditions of Platform Workers: the Youtuber and Instagrammer's Case (Adrián Todolí - UV) 		

January – June 2020

Title	Person/team in charge	Type of activity
Sharing Economy-Cooperative Mobility and Inequalities. The role of the legislator.	Unibo	Event (in Rome)
International Conference "Human and Algorithmic Discrimination in the Sharing Economy"	Alain Strowel and Rossana Ducato (UCLouvain)	Event
Management solutions and best practices for European Sharing Cities (1 st edition)	Giorgia Pavani (Unibo)	Teaching/training
SHINE project website	UV	Deliverable

July – December 2020

Title	Person/team in charge	Type of activity
Contrasting social inequalities through sharing mobility	Unipa	Event
MOOC on the Regulation of the Sharing Economy (1 st edition)	Andrés Boix and Adrián Todolí (UV)	Teaching/training
Lessons from analyzing the international experiences in regulation and competition of traditional taxi and rail-hailing platform services (1 st edition)	Joan-Ramon Borrell (UB)	Teaching/training
Sharing mobility and social inequalities	Guido Smorto (Unipa)	Teaching/training

January – June 2021

Title	Person/team in charge	Type of activity
Digital reputation of Workers and Algorithmic labour force Management. Risks and perils in Fundamental Rights.	UV	Event
Management solutions and best practices for European Sharing Cities (2 nd edition)	Giorgia Pavani (Unibo)	Teaching/training
Share means fair: Legal Design Seminar	Rossana Ducato (UCLouvain)	Teaching/training
Summer School on the Challenges of the Regulation of the Sharing Economy	Andrés Boix and Gabriel Doménech (UV)	Teaching/training
End of Research Activity #4: A legal Administrative Framework for Algorithmic Discrimination	Alba Soriano (UV)	Research #4
Two scientific papers derived from Research #1: Algorithms, Inequalities and the Digital Economy	Alba Soriano and Andrés Boix (UV)	Research results
One scientific paper derived from Research #2: Survey on Attitudes and Perceptions of actual and potential users by Gender of Traditional Taxi services and Rail-hailing Platform services: the case of Barcelona and service Gender bias	Germà Bel (UB)	Research results
One scientific paper derived from Research #3: Digital Discrimination in the Sharing Economy: Pitfalls and Legal design Strategies for online Platforms	Rossana Ducato and Enguerrand Marique (UCLouvain)	Research results
PhD dissertation partly derived from Research #4: A Legal Administrative Framework for Algorithmic Discrimination	Alba Soriano (UV)	Research results
One scientific paper derived from Research #5: Working Conditions of Platform Workers: the Youtuber and Instagrammer's Case	Adrián Todolí (UV)	Research results
Administrative Guidelines to avoid Gender Discrimination in the Sharing Economy	UV	Deliverable
Proposal of Bill of Rights for Digital Workers in a New Economy	UV	Deliverable

July – December 2021

Title	Person/team in charge	Type of activity
Conflict Management and Public Policy in the Transport Sector the European Way	UB	Event
MOOC on the Regulation of the Sharing Economy (2 nd edition)	Andrés Boix and Adrián Todolí (UV)	Teaching/training
Lessons from analyzing the international experiences in regulation and competition of traditional taxi and rail-hailing platform services (2 nd edition)	Joan-Ramon Borrell (UB)	Teaching/training

January – June 2022

Title	Person/team in charge	Type of activity
Management solutions and best practices for European Sharing Cities (3 rd edition)	Giorgia Pavani (Unibo)	Teaching/training
Best Practices Guide on Conflict Management and Public Policy in the Transport Sector	UB	Deliverable
Guide of Assessments of the Effects of Sharing Economy: Regulatory Approaches in the Reduction of Inequalities and other Social Impacts	UV	Deliverable
Proposal for a Legal Design Manifesto on “Brighter patterns” to fight Discrimination in the Sharing Economy	UCVLouvain	Deliverable
Final Event: Presentation of Results	UV	Event
One paper book derived from Research #1: Algorithms, Inequalities and the Digital Economy	Andrés Boix and Alba Soriano	Research results
One scientific paper derived from Research #2: Survey on Attitudes and Perceptions of actual and potential users by Gender of Traditional Taxi services and Rail-hailing Platform services: the case of Barcelona and service Gender bias	Germà Bel (UB)	Research results
One scientific paper derived from Research #3: Digital Discrimination in the Sharing Economy: Pitfalls and Legal design Strategies for online Platforms	Rossana Ducato and Enguerrand Marique - UCLouvain	Research results
One scientific paper derived from Research #5: Working Conditions of Platform Workers: the Youtuber and Instagrammer’s Case	Adrián Todolí (UV)	Research results
<p>+ End of research activities (#1, 2, 3 and 5):</p> <ol style="list-style-type: none"> 1. Algorithms, Inequalities and the Digital Economy (Andrés Boix and Alba Soriano - UV) 2. Survey on Attitudes and Perceptions of actual and potential users by Gender of Traditional Taxi services and Rail-hailing Platform services: the case of Barcelona and service Gender bias (Germà Bel - UB) 3. Digital Discrimination in the Sharing Economy: Pitfalls and Legal design Strategies for online Platforms (Rossana Ducato and Enguerrand Marique - UCLouvain) 5. Working Conditions of Platform Workers: the Youtuber and Instagrammer’s Case (Adrián Todolí - UV) 		



SPECIFIC TIMELINES FOR EACH INSTITUTION

University of Barcelona

Timing	Title	Type of activity
September – December 2019	Beginning of <u>Research Activity #2</u> : Survey on Attitudes and Perceptions of actual and potential users by Gender of Traditional Taxi services and Rail-hailing Platform services: the case of Barcelona and service Gender bias	Research
July – December 2020	Lessons from analyzing the international experiences in regulation and competition of traditional taxi and rail-hailing platform services (1 st edition)	Teaching/training
January – June 2020	One scientific paper derived from <u>Research Activity #2</u>	Research results
July – December 2021	Conflict Management and Public Policy in the Transport Sector the European Way	Event
	Lessons from analyzing the international experiences in regulation and competition of traditional taxi and rail-hailing platform services (2 nd edition)	Teaching/training
January – June 2022	Best Practices Guide on Conflict Management and Public Policy in the Transport Sector	Deliverable
	One scientific paper derived from <u>Research Activity #2</u>	Research results
	End of <u>Research Activity #2</u>	Research

University of Bologna

Timing	Title	Type of activity
January – June 2020	Sharing Economy-Cooperative Mobility and Inequalities. The role of the legislator.	Event
	Management solutions and best practices for European Sharing Cities (1 st edition)	Teaching/training
January – June 2021	Management solutions and best practices for European Sharing Cities (2 nd edition)	Teaching/training
January – June 2022	Management solutions and best practices for European Sharing Cities (3 rd edition)	Teaching/training



Catholic University of Louvain

Timing	Title	Type of activity
September – December 2019	Beginning of <u>Research Activity #3</u> : Digital Discrimination in the Sharing Economy: Pitfalls and Legal design Strategies for online Platforms	Research
January – June 2020	International Conference “Human and Algorithmic Discrimination in the Sharing Economy”	Event
January – June 2021	Share means fair: Legal Design Seminar	Teaching/Training
	One scientific paper derived from <u>Research Activity #3</u>	Research results
January – June 2022	One scientific paper derived from <u>Research Activity #3</u>	Research results
	End of <u>Research Activity #3</u>	Research
	Proposal for a Legal Design Manifesto on “Brighter patterns” to fight Discrimination in the Sharing Economy	Deliverable

University of Palermo

Timing	Title	Type of activity
July – December 2020	Contrasting social inequalities through sharing mobility	Event
July – December 2020	Sharing Mobility and Social Inequalities	Teaching/training



University of Valencia

Timing	Title	Type of activity
September – December 2019	Kick-off meeting: International Conference on the Regulation of the Sharing Economy and Inequalities driven by Digital Markets	Event
	Beginning of Research Activities #1, 4 and 5: 1. Algorithms, Inequalities and the Digital Economy 4. A Legal Administrative Framework for Algorithmic Discrimination 5. Working Conditions of Platform Workers: the Youtuber and Instagrammer's Case	Research
January – June 2020	SHINE project website	Deliverable
July – December 2020	MOOC on the Regulation of the Sharing Economy (1 st edition)	Teaching/training
January – June 2021	Digital reputation of Workers and Algorithmic labour force Management. Risks and perils in Fundamental Rights	Teaching/training
	Summer School on the Challenges of the Regulation of the Sharing Economy	Teaching/training
	End of Research Activity #4	Research
	PhD Dissertation as a product of Research #4	Research results
	One scientific paper derived from <u>Research Activity #1</u>	Research results
	One scientific paper derived from <u>Research Activity #4</u>	Research results
	One scientific paper derived from <u>Research Activity #5</u>	Research results
	Administrative Guidelines to avoid Gender Discrimination in the Sharing Economy	Deliverable
Proposal of Bill of Rights for Digital Workers in a New Economy	Deliverable	
July – December 2021	MOOC on the Regulation of the Sharing Economy (2 nd edition)	Teaching/training
January – June 2022	End of <u>Research Activities #1, 4 and 5</u>	Research
	One scientific paper derived from <u>Research Activity #1</u>	Research results
	One scientific paper derived from <u>Research Activity #4</u>	Research results
	One scientific paper derived from <u>Research Activity #5</u>	Research results
	Guide of Assessments of the Effects of Sharing Economy: Regulatory Approaches in the Reduction of Inequalities and other Social Impacts	Deliverable
	Final Event: Presentation of Results	Event