

Dipartimento per la formazione superiore e per la Ricerca  
Direzione Generale per il Coordinamento, la promozione e la valorizzazione  
della Ricerca

PRIN: PROGETTI DI RICERCA DI RILEVANTE INTERESSE NAZIONALE –  
Bando 2015  
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**PART A**

**1 - Research Project Title**

THE BIG DATA REVOLUTION AND ITS LEGAL IMPLICATIONS

**2 - Duration (months)**

**36 months**

**3 - Main ERC field**

SH - Social Sciences and Humanities

**4 - Possible other ERC field**

**5 - ERC subfields**

1. SH2\_8 Legal studies, constitutions, comparative law
2. SH2\_11 Communication and information, networks, media
- 3.

**6 - Key Words**

1. BIG DATA AND DATA DRIVEN INNOVATION
2. PRIVACY AND DATA PROTECTION

3. COMPETITION LAW
4. REGULATION
5. EGOVERNMENT AND PUBLIC SECTOR INFORMATION

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#### 9 - Research project abstract

The expressions "Big Data", "Internet of Things", "Data Driven Innovation" and their acronyms (BD, IoT, DDI) are now of common use and are used, albeit not always correctly, in many contexts.

What is lacking, in Italy and to some extent in Europe, is a comprehensive view of the legal implications of the so-called "Big Data Revolution". Lawyers, who are significantly path-dependent, will naturally tend to adapt existing legal instruments and procedures to this new environment.

There are however issues which have to be analysed in a new perspective. These are: the sheer immensity of data available (measurable, presently, in Exabytes); the impact of the "T factor" (i.e. the fact that the availability of data in real-time determines the existence or need for real-time legal decisions by individuals, business entities, public bodies); and to the impact of big data analytics on the prediction of social behaviours.

The law has always had a governance role, but it has generally considered stable, static situations. Here jurists are called to tackle dynamic social and institutional processes, as data will govern individual and collective actions.

Therefore it is essential to investigate the rules governing such data, which in part can and should be left to private initiative, but within a framework of rules set by public institutions.

The research intends to present a holistic view of the various issues which are all strongly inter-related, such as:

- . Privacy concerns
- . Predictive policing
- . Individual self-determination
- . Protection of groups
- . Effects of the EU General Data Protection Regulation
- . Data accumulation and competition issues
- . Legal implications of the "goods paid with data" model
- . Barriers to entry, dominant positions, and 'winner-takes-all' effects
- . Use and access to financial data
- . Role of non-bank operators in payment systems
- . Interaction of BD analytics, consumer credit-worthiness and prudential supervision
- . Insurance data and connection with financial markets and privacy issues
- . Regulatory changes due to role of BD and IoT
- . Big Data collectors' regulation (such as OTT)
- . Consumer empowerment with secure access to their personal data and application to analyse it
- . Trust and data reliability in the sharing economy
- . New approaches to e-Government

- . Open access to Public Sector Information
- . Policies in the Government to Citizens and in the Government to Business sectors
- . New models for providing timely access to PSI.

The research will focus on the European and Italian impact of the "BD revolution", having clearly in mind the growing set of rules which are been generated by the EU, with the aim of contributing to the creation of a European consensus in this area. Because its results are intended to be "exported", the research will be conducted in English.

The first addressees of the research will be European and Italian regulatory authorities in the fields of privacy, telecoms and competition.

#### 10 - Total cost of the research project, per single item

Associated Investigator	item A.1	item A.2.1	item B	item C	item D	item E	item F	Total
ZENO ZENCOVICH Vincenzo	21.250 €	23.462 €	26.827 €	500 €	3.000 €	4.000 €	28.261 €	<b>107.300 €</b>
AMMANNATI Laura	17.795 €	23.463 €	24.755 €	3.000 €	0 €	10.000 €	€	<b>79.013 €</b>
GHEZZI Federico	16.865 €	28.125 €	26.994 €	0 €	0 €	5.000 €	€	<b>76.984 €</b>
RANGONE Nicoletta	21.533 €	23.462 €	26.997 €	0 €	0 €	6.000 €	€	<b>77.992 €</b>
CARLONI Enrico	19.845 €	24.000 €	26.307 €	0 €	0 €	4.800 €	€	<b>74.952 €</b>
DI PORTO Fabiana	15.467 €	23.462 €	23.357 €	0 €	10.000 €	4.000 €	€	<b>76.286 €</b>
<b>Total</b>	<b>112.755 €</b>	<b>145.974 €</b>	<b>155.237 €</b>	<b>3.500 €</b>	<b>13.000 €</b>	<b>33.800 €</b>	<b>28.261 €</b>	<b>492.527 €</b>

- item A.1: enhancement of months/person of permanent employees
- item A.2.1: cost of contracts of non-employees, specifically to recruit
- item B: Overheads (flat rate equal to 60% of the total cost of staff, A.1 + A.2.1, for each research unit)
- item C: cost of equipment, instruments and software
- item D: cost of consulting services and similar

- item E: other operating costs
- item F: prize (to take advantage of the prize it is mandatory to attach to the project a declaration signed by the Rector of the university, according to the outline of section B2.7)

## **PART B**

### **B.1**

#### **1 - State of the art**

Big Data is currently at the final stage of a long evolution of the capability to analyse data using computer resources, which is characterised by the convergence of different existing technologies (data analytics, high-speed network connections, IoT). The original notion of big data as high-volume, high-velocity and high-variety information assets stems from a technological viewpoint (Laney, 2001) and does not enlighten the social dimension of the big data revolution. In fact, the revolutionary aspect does not merely rely on the volume of data that can be processed or on the speed of data processing, since, in the past, we already collected large amount of information and the speed of data processing has been constantly increasing. Although data volume, velocity and variety will reach in a few years unprecedented values (Gartner, 2015), the qualitative aspects of the use of big data are more relevant than the quantitative parameters. From a qualitative perspective, big data analytics make it possible a real-time analysis of datasets to identify the emerging trends in the flows of information. This predictive approach is revolutionary and differs from the traditional sampling method focused on the definition in advance of the purposes and working hypotheses of the research. Using big data analytics, new trends in collected information become self-explanatory and it is no longer necessary to define in advance the specific purposes of a given research (Bollier, 2010).

Unlike the traditional method, the big data analysis adopts an inductive approach that draws inferences about unknown facts from correlations, with results that are relevant in socio-political, strategic and commercial terms (OECD, 2015). Despite the weakness of an approach that is not based on causation, this kind of analysis is useful for the perception of the birth and evolution of macro-trends, which can be analysed later in a more traditional statistical way in order to identify their causes.

All of this has important impacts on the workings of the legal

system, which have been discussed in discrete areas (such as privacy or competition law), but have not so far been the target of a comprehensive and interdisciplinary analysis. The ongoing process of datification raises several questions, related to the risk of increasing asymmetries in the control over information. These concern both the private sector (competition) and the public sector (e-government), as well as the interplay between them (public/private partnership in social surveillance).

On the one hand, data enables firms to improve their products/services and to increase users' trust. Therefore, big data may entrench market positions, even when these positions are dominant (Lerner, 2014; Evans, 2013; Tucker and Wellford, 2014; Grunes & Maurice, 2015). This points out the existing interplay between data protection, consumer protection and antitrust regulation, especially when products and data-driven services are given away for free (European Commission, 2014; Gal & Rubinfeld, 2015).

On the other hand, public sector collects a large amount of information to improve public services and to increase democratic participation (EU Parliament, 2015). Moreover, public bodies are progressively opening their digital archives to make it possible the access and re-use of public sector (big) data (Dir. 2003/98/EC; Dir. 2013/37/EU; leg. Decrees 82/2005 and 36/2006; law 124/2015). Nevertheless, this use of data leads legal scholars to investigate the potential effects in terms of public decision-making, democratic participation and balance between data protection and data exploitation. Finally, private and public data silos are not separated, since government agencies have access to private databases in performing their activities, as demonstrated by the collaborative model adopted in the fields of social surveillance and crime prevention.

Therefore, to complete the protection of citizens against the risks of social control and to address the issues mentioned above, it is necessary to regulate and control the use of data. In this light, the EU proposal for a Directive in the law enforcement sector and the new General Data Protection Regulation represent a first attempt – albeit not a completely satisfying one – to strengthen citizens' guarantees in the age of Big Data.

The expressions "Big Data" (henceforth BD) and "Data-Driven Innovation" are now of common use and are frequently employed in many social sciences. "BD", in particular, denotes large data sets, having the potential to be mined in order to seek information with predictive value. It represents the convergence of different technologies, which strongly increased the Volume, the Variety and the Velocity of transmission of available data. Such phenomena have been surveyed by social scientists and described by official reports. What is still lacking is a comprehensive analysis of the legal implications of the "BD Revolution". Our project aims to fill this gap, by presenting a holistic overview of the most relevant issues, which transcend the public/private divide and are all strongly interrelated. We will focus on 4 main areas:

- 1) Privacy and data protection;
- 2) Competition law;
- 3) Regulation;
- 4) EGovernment and Public Sector Information.

## BIG DATA AND PRIVACY

BD analytics make it possible to infer predictive information from large amounts of data to identify patterns in the behaviour of individuals and groups. Nevertheless, users are often unaware of these forms of analysis and their impact on their social condition. This creates "a new truth regime", in which general strategies are adopted on a large scale on the basis of representations of society generated by algorithms, which predict future behaviours. The increasing use of analytics is not limited to commercial and market contexts, but also affect other important fields, such as security and social policies (e.g. predictive policing).

The BD revolution challenges two fundamental elements of the traditional model of data protection: a) the central role played by individual's self-determination in the control over personal information; b) the individual dimension of privacy and data protection.

Our project will explore the solutions that can be adopted to address the limits of the so-called "fourth generation" of data protection laws.

### 1. Individual self-determination

The "transformative" use of BD makes often impossible to explain the description of all the possible uses of information at the time of its initial collection (cfr. arts. 6 and 10 of the Directive 95/46) and,

at the same time, the information asymmetries, as well as the lock-in effects that characterise the BD environment, drastically reduce users' self-determination. For these reasons, this working package investigates how it is possible to re-consider the existing data protection legal framework with regard to the "notice and consent" model and define a subset of rules for BD. Rule makers should re-consider the role of user's self-determination based on individual consent and should focus on the adoption of a multiple risk assessment, which takes into account not only data security and data protection, but also the social impact and ethical issues related to the use of personal information.

## 2. Collective dimension of data processing

The "categorical" approach characterising the use of analytics has a disruptive effect on the traditional idea of group privacy and highlights its limits. Data protection in the age of analytics concerns not only individuals, but also the collective dimension and prejudice can result not only from the well-known privacy-related risks, but also from discriminatory forms of data processing. Therefore, the new scale of data processing entails the recognition of a new layer, represented by groups' need for the protection of their collective interests relating to the use of information. Nevertheless, these collective interests require adequate forms of representation, as well as the involvement of a range of stakeholders in the balancing of conflicting interests. Specific procedural criteria must be laid down to define which entities may act in the collective interest, and this decision is made more difficult in the context of BD by the lack of stability in the groups created by data gatherers.

The relevance of this investigation and its potential impact is not contradicted by the recent adoption of the new EU Data Protection Regulation, since it only partially addresses such issues. Although the provisions concerning the data protection impact and the privacy by design/default principle play an important role, the new Regulation remains mainly focused on the individual dimension of data protection and on the idea of individual self-determination.

## BIG DATA AND COMPETITION LAW

In the last ten years, information and digital technologies have not only made the digitization of analogic information possible, but boosted the many processes available to collect and process digital data. Nowadays firms (in particular online firms) have the unprecedented opportunity to rely on an increasingly richer amount



of data and metadata to improve their products and services and, hence, both to increase consumer welfare and economic efficiency. However, the bigger the value of data for market actors, the stronger the need to tackle all the potential antitrust and competitive issues.

### 1. Data Accumulation

The first issue arises from the fact that, once users become accustomed to the goods of one of those online firms, they may resist from trying competing services. The more data and content these firms have, the more trusted they become at the expense of their competitors. Generating positive feedbacks on behalf of its holders, BD may entrench market positions, even when these positions are dominant. Hence, one goal of the project is to discuss whether a more aggressive antitrust intervention could be useful, especially when data portability is thwarted.

### 2. Private data and Competition

At present, many of the products and services available on the Internet are given away for free. Actually, the analysis of some business models shows that these commodities are traded in exchange for personal data. The use of such business models entails two sets of antitrust issues that have not yet been fully analyzed.

First, the existence of such “goods paid with data”, whose value is difficult to quantify, complicates the assessment of market power, which traditionally is inferred from price and cost estimates. Since antitrust rules punish the anticompetitive exercise of market power, the existence of these perceived free goods could undermine the enforcement of antitrust rules.

Second, as the practice shows, the case of the “goods paid with data” is often interwoven with the still underexplored case of giant online platforms, like Google and Facebook. If these firms could be conceived of as media companies operating with an advertising-based revenue model, it is crucial to determine the markets where they work and whether they hold significant amounts of market power there. Indeed, whereas these platforms may enjoy a dominant position in the markets for search engines and social network respectively, their positions in the market for online advertising or in the market for attention could be more limited. Next, the project should discuss whether the data held by these giant firms can be qualified as the quintessential sources of their

monopoly power, and/or as barriers to entry, or/and as essential resources that, as a consequence, could deserve to be shared. Finally, if these questions are answered affirmatively, the project should examine again whether the digital environments where these online platforms operate merit an earlier and more aggressive antitrust intervention, as many online platforms that exchange goods for data work in markets that are already characterized by network and “winners take it all” effects.

## BIG DATA AND REGULATION

The use of data and analytics of BD affect the provision of services : from shaping the content of the services provided and influencing marketing strategies, to modelling legal relationships with suppliers and customers, as well as with supervisory authorities. Hence we will address the legal aspects of the interaction between service provision and BD, both on vertical level, analysing different kinds of services (1.;2.) and in horizontal perspective addressing cross-cutting themes (3.).

### 1. Financial services:

#### (a) payment services:

- how to ensure a level playing field among banks and non-banks (mobile operators and ISPs)
- how to regulate relevant non-banks

#### (b) retail insurance sector:

- BD may alter the way risk is assessed: what are the benefits and risks for consumers?
- BD could create barriers for new entrants (costs of the investment in new technologies; difficulty with buying or reproducing critical data; etc.)
- How redefine the role of the sectorial regulators to foster or restrain innovative uses of BD?

### 2. The case of energy:

- Smart grid technologies are expected to better manage energy usage
- Critical elements arise from both the supply-side (e.g. data reliability, obsolescence) and the consumers' side (e.g. profiling, discrimination)
- How to redefine the business model and the features of this market?

### 3.1. Data protection:

- relationships between the data protection legislation and the use

of BD technologies

### 3.2. Cross-border data protection

- to assess the adequacy of the current legal framework on data processing in cross-border cases (contractual and non-contractual matters)
- and of the solutions which the EU legislator is tackling

### 3.3. Automatic exchange of BD, tax services and the protection of taxpayers' rights

- the relation between unilateralism and cooperation
- transparency and privacy

## 2. Electronic communications:

In the new digital ecosystem, the strong modifications of the economic and technological context have led to a quick evolution of the needs/behaviors of consumers and of the services offered in the markets. The LUMSA Unit will focus on the technical and regulatory implications of the following topics.

1) BD collectors. An analysis of individual regulatory obligations will be made in order to check whether OTT services providing communications need to be regulated and which type of regulation fits best with them. Several modeling scenarios will be defined and simulations will be performed using statistical methods in order to predict the effects of different regulatory options on the market and/or consumers' behavior.

2) Consumer empowerment. One issue associated with regulating Big Data is consumer empowerment with secure access to their personal data and increased access to applications and services that can be used to analyse it. The project will address the problem related to the effectiveness of the new right to data portability which needs a standardization of data formats and an easy and secure access. Statistical approach will be used in order to study novel approaches to define sets of attributes containing the same information; to identify records that refer to the same "entity" across different data sources; to create exploration tools for data sources; to implement basic and advanced visualization tools intended to assist users in managing information.

3) Net Neutrality. Another regulatory challenge is to deal with the consequences of regulatory choices concerning net neutrality. Can the traffic management limitations and the need for consumers'

consent affect Big Data storage and re-use? Might the increased cost for ISPs related to traffic management prevent them from investing in the networks? In order to avoid the risk of privacy breaks, we intend to find and suggest better tools to anonymize datasets, to perform privacy risk analysis of anonymized data and to evaluate anonymization solutions, considering the utility-efficiency trade off as leading criterion.

4) Sharing economy. The final challenge is to deal with the regulatory problem concerning the way to ensure trust and data reliability in the new digital markets consisting of the so-called sharing economy.

#### E-GOVERNMENT AND PUBLIC SECTOR INFORMATION

The EU has spent great efforts in the last 15 years to increase the public sector (PS)'s use of ICTs to improve public services and enhance democratic participation. Models of eGovernment interaction and service delivery have been developed, drawing a general distinction between Government-to-Citizens (G2C) and Government-to-Business (G2B).

Despite such efforts: a) just publishing open data public sector information (PSI) does not necessarily result in more participation and increased transparency; nor does PSI's re-use by the private sector occur automatically; b) a balance should be drawn between proprietary and open access to PSI. The advent of BD has widened the debate, due to its enormous potential to enhance both G2C interactions and, at the same time, to increase the added-value of PSI for the private sector.

The Unisalento and UniPG units will investigate the impact of BD on these two areas. In particular, after a technical-mathematical analysis of BD management in the PS, they will analyse different legal regimes for the management of BD to select the most suitable to achieve the two different goals of G2C and G2B interactions.

First, various access regimes to PS's BD will be scrutinised in search of that or those that most suitably achieve the widest democratic control, participation and transparency, and help to enhance the quality and efficiency of public services.

Additionally, access rules to PS's BD will also be analysed to select the one or those that ensure the creation of the highest economic value possible for the PS.

Third, the units will investigate how to enhance transparency rules affecting public BD (ie, disclosure duties, open access, etc.), by

using insights from behavioural sciences. That is: the knowledge of how the human brain works and what mental and behavioural mechanisms intervene when individuals are faced to big amount of information (eg, biases, heuristics, social norms).

## METHODOLOGY

The underlying issues will be approached mainly from a legal perspective. Although some Units are composed also of statisticians and mathematicians – who will be of great help in data analytics – the core of the research group consists of jurists, and the project has a clear legal imprint. However, we should emphasize that: a) we will not move from a formal perspective, but we will approach the underlying issues from a legal realist viewpoint; b) we intentionally set up a heterogeneous research group - composed of experts of private law, public law, competition law, and regulation – in order to carry out an interdisciplinary research, overcoming the conceptual constraints arising from the public/private law divide; c) in this field as in most ICT issues the intended contribution is to provide clear ideas, a comprehensive framework and workable solutions; the methods used, therefore, are those typical of established contemporary legal research in highly developed and dynamic contexts.

**3 - Project development, with identification of the role of each research unit and research organizations involved, with regards to expected targets, and related modalities of integration and collaboration**

## PROJECT DEVELOPMENT

The main problem in planning the project development is the sheer speed at which the scenario changes: Big Data, Internet of Things, Data Driven Innovation are constantly evolving from a technological, a socio-economic and therefore a legal perspective. One thing is clear: at the end of the research period, after three years, things will be significantly different from now. This requires a flexible approach to scheduling. In particular, easy and quick re-scheduling of the research units' tasks will be undergone, should new technical or organizational issues come about.

The schedule of each activity to be undertaken in years 1, 2 and 3 will be briefly described hereafter and summarised in Figure 1. Afterwards, a summary of the topics dealt with by each unit will also be provided.

## SCHEDULED ACTIVITIES IN THE THREE-YEAR PERIOD OF THE RESEARCH GRANT

In the FIRST YEAR, after the kick-off general meeting (action 1.1) of all the six units, each unit will have to focus in-depth on the new questions which require normative intervention (action 1.2); and those for which existing normative instruments can be appropriately adapted (action 1.3). An open website will be created (action 1.4) as repository for the various materials collected, and as a platform linking to other initiatives organised in the BD field. A first appraisal should be presented, at the end of Y1, in open seminars/conferences held locally in each university-unit on its specific topic, involving not only lawyers but also the relevant stakeholders (action 1.5). It must be again stressed that, inasmuch as the law has a governance role to play, this requires a wide consensus from all those to whom the rules are directed. The geographical distribution of the six units (two in Northern Italy, three in Central Italy and one in Southern Italy) will allow a wider dissemination of ideas and creation of awareness in all ambits. One of the specific aspects of data governed societies is that the creation, exploitation, and organisation of data are widely dispersed. Network hierarchies must be taken into account also in the research, which is purposely a network research. In the last four months of Y1, administrative procedures for the recruitment of 6 researchers, on the basis of annual research grants, will be held (action 1.6). The researchers thus hired will start working on the project on Y2.

In the SECOND YEAR, each unit will start drafting, from a technical-legal point of view, the catalogue of solutions, presenting also the various options (regulation-by-design, self-regulation, soft law, incentives & subsidies, formal regulation, distinguishing between substantive regulation and procedural regulation) (action 2.1). Again these interim results will have to be presented for a public discussion in seminars/conferences organised by each unit (action 2.2). These interim results will also be presented, in an appropriate way, to the regulatory bodies (privacy, competition, telecoms agencies) in order to promote an interaction with their policy and research units (action 2.3).

The THIRD YEAR will be devoted to the drafting of the final text of the research, modified also in accordance to the responses received from the various seminars/conferences and from the dialogue with the regulatory bodies (action 3.1).

Finally, a general international two-day conference, articulated in different sessions, one for each of the topics studied, will be organised (action 3.2). At the conference, to be held during the last two months of Y3, the research results of each unit and the overall achievements of the research team will be presented and discussed (action 3.3).

One must add that, as already mentioned in the section devoted to the expected outputs of the research, many of the interim results will also be presented in – and enriched by – the “Data Driven Innovation Open Summit” that Roma Tre University (where the principal investigator’s unit is based) intends to organise, on a yearly basis, already from May 2016.

## ROLE OF RESEARCH UNITS AND MODALITIES OF INTEGRATION

One of the main roles of the P.I. will be that of constantly networking all participants of the research team, thus enabling – also through a restricted access platform – a constant interchange of information among the units’ members. The clear-cut division of research topics among each unit, which has been established based on the peculiar scientific expertise of each research group and in a way to avoid overlapping and omissions, will ease coordination. In particular, the research topics have been allocated as follows:

- a) the University of Roma3 Unit, which is composed of experts on privacy law, will focus on the impact of Big Data on privacy and data protection;
- b) the Bocconi University Unit, which is composed of experts on competition law, will focus on the implications of Big Data on antitrust law;
- c) the University of Milan Unit and the LUMSA unit, composed of experts on economics law, administrative law, as well as of economists and statisticians, will both focus on Big Data & Regulation: the former will deepen the regulation of the financial

sector (payments, retail insurance, consumer protection, etc.), whereas the latter will specifically deal with electronic communications;

d) the University of Salento Unit, composed of experts on economics law, administrative law as well as of mathematicians (with a peculiar expertise on fuzzy logic), will focus on public sector information, transparency, access and re-use of Big Data;

e) the University of Perugia Unit, composed of experts on public and administrative law, will focus on the contribution of Big Data to the enhancement of public governance.

#### **4 – Possible application potentialities and scientific and/or technological and/or social and/or economic impact of the project**

The research has three aims

1. The first and primary aim is providing public institutions and decision-makers, both Italian and EU, with informative insights to enable them to take more informed decisions. The obvious addressees of the outputs of the research are the Italian Data protection authority (Garante per la protezione dei dati personali), the Italian national telecoms regulatory agency (Autorità per le garanzie nelle comunicazioni), the Italian competition authority (Autorità garante della concorrenza e del mercato), the Italian digital agency (Italia Digitale) and the Italian anticorruption and transparency authority (Autorità nazionale anticorruzione). At the same time, the research aims at providing regulatory and technical solution to European and international institutions engaged in policy and law-making in various domains.

2. The second aim is academic but ancillary to the first one. It aims at producing high level papers that may contribute to the scientific debate which is necessary to promote informed decisions in these new areas. It is well known that the evolution of legal thought is incremental and through consensus. It is not sufficient that new ideas are put forward. They need to find general approval, first of all in academic circles, and to be well sedimented. The fact that the members of the various units of the research project come from different backgrounds (private, public, administrative, regulatory, comparative law; but also statisticians, economists and mathematicians) is an asset because it allows the project to examine the various aspects from many perspectives and



disseminate them in the whole academic community. Clearly this dialogue will be enhanced by the seminars and public conferences that will be organized during the research in order to present, discuss, collect ideas and hypothesis.

3. The third aim is dissemination. In order to contribute to universities' third missions, i.e. initiatives aimed at bridging the gap between academic research, general knowledge and the promotion of social and economic welfare, the 5 research units will organise, throughout 3-year: national and international conferences, local workshops and wider public events. Along this direction, a "Data Driven Innovation" 2-day open summit has been organised by the Roma Tre Unit for May 2016, bringing together researchers, firms, institutions to encourage new start-ups and spread technologies for a better use of undertakings' informational assests and BD.

**5 – Costs and fundings, for each research unit (automatically calculated)**

n°	Associated or principal investigator	Total cost	Co-funding (item A.1)	MIUR funding (other items)
1.	ZENO ZENCOVICH Vincenzo	107.300 €	21.250 €	86.050 €
2.	AMMANNATI Laura	79.013 €	17.795 €	61.218 €
3.	GHEZZI Federico	76.984 €	16.865 €	60.119 €
4.	RANGONE Nicoletta	77.992 €	21.533 €	56.459 €
5.	CARLONI Enrico	74.952 €	19.845 €	55.107 €
6.	DI PORTO Fabiana	76.286 €	15.467 €	60.819 €
	<b>Total</b>	<b>492.527 €</b>	<b>112.755 €</b>	<b>379.772 €</b>

**B.2**

**1 – Scientific curriculum of PI (highlighting, for LS and PE fields, of bibliometric indicators related to publications and citations, and, for SH field, of the quality and impact of publications; awards and other honors; degree of success in Italian or international previous projects)**

## **ZENO ZENCOVICH Vincenzo**

Full professor of Comparative Law since 1990. He teaches Comparative Law and EU Transport Law in the Law Department of the University of Roma Tre. He has previously taught in the universities of Genoa, Sassari and Cagliari.

Visiting scholar at Harvard Law School and Cambridge University. Visiting professor at Oxford University and University College London.

Co-editor or member of the editorial boards of the following reviews: *Il diritto dell'informazione e dell'informatica*, *Nuova giurisprudenza civile commentata*, *Europa e diritto privato*.

He has directed three researches financed by the Italian National Research Council (CNR) on the liability of the press, on telecommunications law, and on data protection.

He has directed two EU researches in the field of IT (CONFI and DATAPROT) financed by the DGXIII.

He has been national coordinator of two "Progetti di ricerca di interesse nazionale (PRIN)": "Linguistical training of Italian lawyers" (2007/2008); "The wounds of history and restorative justice" (2009/2011).

He is author or editor of over 30 volumes and has written over 200 articles, notes and comments.

From 2013 Chairman of the Italian association of comparative law (AIDC). Director of the Language Center of the University of Roma Tre (2007-2011). Director of the programme "Studying Law at Roma Tre".

From April 2012 to March 2015, in the framework of a general agreement between the two universities, he has been Rector of the UNINT University of Rome.

## **2 - Scientific curriculum of associated investigators (highlighting, for LS and PE fields, of bibliometric indicators related to publications and citations, and, for SH field, of the quality and impact of publications; awards and other honors)**

### **1. AMMANNATI Laura**

#### **CURRICULUM VITAE**

Laura Ammannati

Department of International, Legal, Historical and Political Studies (DILPHS)

Faculty of Political, Economic and Social Science

University of Milano

Via Conservatorio 7, 20122 Milano – Italy

Tel. +39 02 50321043 - e-mail: laura.ammannati@unimi.it

#### **CURRENT ACADEMIC POSITIONS**

- October 2015 to present - Jean Monnet Chair in UE Energy Regulation and Policy
  - November 2006 to present : Full Professor of Economics Law - Dpt. DILPHS - University of Milano -
- MAIN COURSES: Markets Regulation; Theories of Regulation ; Market Regulation and Business Practices

#### **PREVIOUS ACADEMIC POSITIONS**

- 2000- 2006: Professor of Economic Law - Dpt. of Economic Law - University of Siena
- 1990 -1999: Professor of Public Law and Economic Law - Dpt. of Economic Law - University of Siena
- 1985 - 1989: Professor of Administrative Law - Dpt. of Administrative Sciences - University of Calabria

#### **RECENT ADMINISTRATIVE POSITIONS**

- 2014 to present – Director of the Department of International, Legal and Historical-Political Sciences (DILPHS)
- 2012 – 2014 – President of the Council of the Faculty of Political, Economic and Social Sciences
- 2013 to present - Member of the Managing Committee of the PhD programme "Global and European Market Law" - Univ. della Tuscia
- 2009 - 2013 - Member of the Managing Committee of the PhD programme "Economics Law and Institutions" - IUSS – University of Pavia

#### **RECENT TEACHING EXPERIENCES**

- 2009 - 2014 - EUROPEAN MASTER IN LAW AND POLICIES OF EUROPEAN INTEGRATION - course "La création du marché unique des services d'intérêt économique général" - (Consortium with Univ.

Autonomica - Barcelona; Univ. of Montpellier; Univ. of Milan; Univ. of Szczecin )

- 2009 – 2014 - MODULE JEAN MONNET "Regulatory Networks and European Governance" (coordination and teaching)
- 2009- 2013 – course "Introduction to market regulation" - PHD PROGRAMME IN ECONOMICS LAW AND INSTITUTIONS – Istituto Universitario Studi Superiori (IUSS) - Pavia
- 2001 - 2007: Director of the Doctorate School in "Law&Economics" - Faculty of Economics - University of Siena

#### EDITORIAL BOARDS AND COMMITTEES

- 2013 to present – member of the editorial board of RIVISTA DELLA REGOLAZIONE DEI MERCATI
- 2011 to present - member of the advisory board of "collana del Dipartimento di Istituzioni Impresa e Mercato "A. Cerrai" – università of Pisa
- 2010 to present - director of the Section "Concorrenza e regolazione" of the annual journal "Concorrenza e mercato" and member of the advisory board
- 2010 to present – member of the advisory board of "Amministrazione in cammino" – on line law journal – Luiss university - Roma
- 2009 to present - member of the Advisory Board of the "Yearbook of Polish European Studies" – Centre for Europe, University of Warsaw
- 2007 to present : member of the Board of Energylab Foundation
- 2005 -2007: member of the direction of the Centre of European Public Law and Comparative Law - Siena
- 2005 -2006 : Advisor of the Regional Government of Tuscany for the project "Regulation Impact Assessment and allocation of the administrative duties after the bill on administrative decentralization"

#### RECENT SEMINARS AND MEETINGS (LAST THREE YEARS)

2015

- (December, 3) – speaker ( The capacity market: the Italian case) in the conference on "European regulatory experiences in the energy sector – a European comparison"
- ( July, 15) – speaker in the conference "Il mercato dell'energia in Europa tra regolazione e mercato unico –Osservatorio sulla regolazione amministrativa – Università Cattolica MI
- (June, 22-23) - Jean Monnet Seminar "A changing neighbourhood" - Tbilisi
- (June, 11) – workshop "Il territorio secondo natura. Sicurezza alimentare e bio-energie" – La Statale per EXPO 2015 - Unimi
- (June, 4) - La governance dei trasporti in alcuni paesi europei –Conference PRIN : La politica dei trasporti in Europa. Verso uno spazio unico europeo? - Unimi
- (April, 16-17) - Discussant in the panel Energy – 4th Conference PEPA/SIEL 2015 (Postgraduate and Early Professionals/Academics Network Society of International Economic Law) – Unimi

2014

- (November 11) Speaker "The EU-Ukraine-Russia Triangle in the Energy market" in the Conference "The Ukrainian Question: Juridical, Historical, Political and Economic Aspects" – Unimi
- (May 20) – introduction to the workshop "Energia e protezione ambientale nel Diritto alimentare Europeo: produzione alimentare, gestione del territorio agricolo e risorse naturali" – Unimi
- (June 6) – speaker "La governance della valutazione : una introduzione" – conference Miti e riti della valutazione nella università italiana – Unimi

2013

- (October 30) – speaker in the international conference "Efficienza energetica per una nuova crescita" – Enel Foundation
- (March 11) – speaker "L'Unione Europea", workshop "Le energie rinnovabili nella prospettiva europea e comparata" – CREDI – Bocconi University – Milan
- (May 7) – Round table "Globalizzazione finanziaria e crisi di sistema: tra diritto e mercato" - Università Cattolica – Milano

#### RECENT RESEARCH PROJECTS

- (2012-2015) scientific coordinator of the Milano research Unit PRIN 2010-11 : "Eguaglianza nei diritti fondamentali nella crisi dello stato e delle finanze pubbliche: una proposta per un nuovo modello di coesione sociale con specifico riguardo alla liberalizzazione e regolazione dei trasporti"
- (2013-2014) Energylab experts' WG : elaboration of "Linee guida relative al percorso operativo finalizzato all'indizione delle gare per l'affidamento del servizio di distribuzione del gas nel nuovo scenario regolatorio" (Regione Lombardia)
- (2010-2014) scientific coordinator of the project "Regulatory networks and European governance" –

Module Jean Monnet

#### VISITORSHIP TO FOREIGN UNIVERSITIES

- 2006 - visiting professor at the Law School - University of Toronto and at the Law Center - University of Alberta
- 1990-2000 - Research activities in France (Parigi e Montpellier), in Spain (Barcellona), in Germany (Heidelberg - Max Planck Institut) and in UK (London - King's College and LSE)

#### MEMBERSHIPS

- Associazione Italiana di Diritto dell'Energia (AIDEN) - socio fondatore
- Associazione dei docenti di diritto dell'economia (ADDE) - vice-president
- Association International de Droit Economique (AIDE)
- ASCOLA - Academic Society for Competition Law
- Associazioni italiana dei professori di diritto amministrativo (AIPDA)
- International Institute of Administrative Science (IIAS)

## 2. GHEZZI Federico

Name: Federico Ghezzi

Date of birth: July 3, 1963, Milan.

Italian citizenship.

Address and residence: 14 Via Broggi, Milan

tel. 02-29529125.

Education: Degree in Economics and Social Sciences (DES).

### 1. UNIVERSITY STUDIES

In the period 1982-1987 he attended the five-year degree course in Economics and Social Sciences (DES) at the Bocconi University in Milan. In the academic year 1987/88 he obtained the bachelor's degree with professor Mario Monti, achieving a score of 110/110 with honors.

### 2. ACADEMIC ACTIVITIES

In the period 1988-1989 he worked at the Department of Economics of Bocconi University with professors Mario Monti and Angelo Maria Cardani. Since December 1989, he has been working at the Department of Legal Studies of Bocconi University with professor Piergaetano Marchetti. Then,

- January 1991, commercial law fellow
- January 1995, commercial and competition law contractor
- June 1996, researcher
- June 1999, confirmed researcher
- June 2000, associate professor
- October 2001, abilitazione (full professorship)
- November 2002, "professore straordinario" at Bocconi University
- January 2007, full professor

As part of his teaching activity, he teaches competition law, industrial law, commercial law, and regulation for both law students and students of economics. He also teaches in the PhD program of Bocconi University.

#### Other institutional duties

2003-2006, Member of the Evaluation Committee of the University.

2005-2007, Member of the research committee of the Bocconi University.

2006-2007, Coordinator of the doctorate of business law at Bocconi University.

2008-February 2010, Director of the Department of Legal Studies of Bocconi University.

2012-2013, Coordinator of the doctorate of business law at Bocconi University.

2014-present Coordinator of the doctorate in legal studies at the Bocconi University.

### 3. SCIENTIFIC ACTIVITY

#### 3.1. JOURNALS' BOARDS

- Co-director of "Rivista delle società"

- He was Co-director of "Concorrenza e Mercato"
- He is in the board of "Rivista di regolazione dei mercati"
- He is in the board of "Italian Antitrust Review".
- He is in the board of "Analisi Giuridica dell'Economia".

### 3.2. RESEARCH

He has been a member of several research projects funded with national and European funds.

His research focuses in particular on competition law, company law and the relationship between law and economics in the field of business law.

### 3. RANGONE Nicoletta

Full professor of Economic Law and Administrative Law at LUMSA University. Chair of the Master degree in Economics, management and business administration

#### EDUCATIONAL BACKGROUND

- Full professor of Economic Law (2014)
- Research Fellow at the Institute of Advanced Legal Studies, School of Advanced Study University of London (January 2012)
- Associate professor of Economic Law (2001)
- Doctoral fellow at the Université Libre de Bruxelles (1992-1993)
- Internship at the European Commission (DG Competition: 1/03/1992 - 25/11/1992)
- Internship at the European Parliament (Committee on Economic and Monetary Affairs and Industrial Policy: 1/11/1991 - 25/02/1992)
- PhD in Public Law in 1996 (University of Bologna). Thesis on "Public utilities liberalisation"
- Qualified lawyer ("avvocato") since 1994
- Erasmus student at the University Paris I/Panthéon-Sorbone (1990)
- Graduated in law at the University of Bologna in 1990. Final mark: 110/110 cum laude (with special honour). Dissertation on "Public procurements and public-private companies. European regulation and a French case study"

#### MEMBERSHIP

- ASCOLA - Academic Society for Competition Law
- IAL - International Association of Legislation;
- ISLE- Italian Society of Law and Economics;
- ICON•S - International Society of Public Law
- ADDE - Associazione dei Docenti di Diritto dell'Economia

#### TEACHING ACTIVITIES

- 2012-2014: Academic director (along with M. D'Alberti, professor of law at Sapienza University, and R. Baldwin, Professor of Law at LSE) and teaching activities in the "Short Course on Regulation", a three-day executive training programme held in English at Sapienza University (<http://www.scienzegiuridiche.uniroma1.it/alta-formazione/regulation-of-markets>)
- 2014-2015: Seminars on cognitive sciences for a more effective regulation (LUMSA-Università del Salento): 1) Private investors in financial market protection; 2) Gambling; 3) Tax evasion; 4) Energy efficiency
- 2013/14: Professor of Administrative Law, Department of Law, LUMSA University
- 2013/14: Professor of Economic Law, Department of Law, LUMSA University
- 2012/13: Associate Professor of Institutes in public law (given in English) at the Politecnico of Milan
- 2012/13: Associate Professor of Environmental Law (given in English) at the Politecnico of Milan
- 2011/12: External Professor of Public Utilities Regulation, LUMSA University
- 2010/11: External Professor of Economic public law, LUMSA University
- 2002/2011: Associate Professor of Economic Law at the Politecnico of Milan
- 1997-2002: External Professor of Public Utility Regulation, Law Faculty, University of Trento
- Teaching in Ph.D. courses: LUISS University; Pavia University; Politecnico of Milan; University of Milan; Catholic University of Milan; Pisa University
- Teaching in Master Degree courses: Sapienza University; LUISS University; LUMSA, Politecnico of Milan; Roma Tre University of Rome; Scuola Superiore Pubblica Amministrazione of Bologna; Tor Vergata University of Rome; Catholic University of Milan; IULM University of Milan; Scuola di specializzazione in Studi sull'Amministrazione Pubblica of Bologna; Lecce University

#### RESEARCH ACTIVITY AND COORDINATION

- 2014: Research group on "Efficient use of household electricity: literature review, behavioural lab experiment and regulatory options" for the Autorità per l'energia elettrica, il gas ed i servizi idrici (LUMSA)

University, Salento University and University of Trento)

- 2014/15: "Anti-corruption and Transparency Initiatives for a More Accountable and Efficient Public Administration" (ECO/WKP(2015)10), paper was drafted with Lorenzo Allio upon invitation of the OECD Economic department. It draws from and follows up with some of the core policy issues identified in the OECD Economic Survey of Italy 2013 related to the 2015 Economic Survey of Italy
- 2014: coordination of the LUMSA research program on "New approaches to rule-making for a more effective regulation"
- 2014: Research group working in support of the CNEL (Consiglio nazionale dell'economia e del lavoro) for the "Annual report to the parliament and the Government on the quality of public administration services to firms and citizens"
- 2013: Research group on "Administrative Procedure and Public Decision-making", coordinated by Prof. J.B. Auby, Sciences Po, Paris
- 2012-2013: Research director: "Measurement of administrative burdens to simplify register of environmental operators", for the Chamber of Commerce of Milan
- 2010: Research director: "A new methodology to assess administrative burdens at regional level" for the Istituto regionale di ricerca della Lombardia-IReR
- 2006-2009: Research group organised by ASTRID on independent authorities
- 2007-2009: Commission instituted by the Ministry for Justice on regulatory reform of public goods

#### PHD, RESEARCHERS AND RESEARCH GRANT COMMISSIONS

- Research grant commission on Economic Law, University of Milan (2015)
- PhD in Law and Economics "Tullio Ascarelli", University "Roma Tre" (2013);
- Science of regulation, LUMSA University (2013);
- Doctoral School in political science, University "Roma Tre" (2012);
- Droit de l'Unione Européenne, Université de Strasbourg (2010);
- Researcher selection commission on Economic Law, University of Siena (2008)
- Member of the scientific committee, PhD in Institutions, Administrations and Regional Policies (2007-2014), University of Pavia, Politecnico of Milan, University of Milan, Catholic University "Sacro Cuore"

#### WORK EXPERIENCE

- 2006, 2007-2009: consultant in the Organisation for Economic Co-operation and Development on Regulatory Reform in Italy
- 2008-2011: member of the Unit for Simplification and Quality of Regulation-Presidency of the Italian Council of Ministers
- 2002-2009: Legal advisor on regulation at the National School of Administration on the quality of regulation and impact assessment
- 2007-2014: Legal advisor to the public administration department task-force (Presidency of the council of ministries) on administrative burdens measurement and reduction
- 2000: OECD - Public Management department in Paris
- 1996-2002: Italian Antitrust Authority: she worked in the directorate of studies, legal department, and as a member of staff to one of the commissioners

#### ADDITIONAL INFORMATION

- Member of the LUMSA commission for the drafting of university regulations (2015)
- Scientific Committee of the "Osservatorio comunicazioni", AREL- Agenzia di ricerche e legislazione (since 2013)
- Scientific Committee member of the review "Studi Parlamentari e di Politica Costituzionale" (since 2010) and "Rivista quadrimestrale di diritto dell'ambiente" (since 2015)
- Referee for several Italian legal journals
- Peer reviewer of research products for the evaluation of research quality (VQR) 2004-2010
- 2005: European Commission Panel on "Regulatory processes and the use of impact assessment", VI framework program, priority 7 (20-23 June)
- 2003- 2006: delegated for administrative simplification by the Rector of the Politecnico of Milan
- She has presented papers at many national and international conferences, among which: Speaker at 11TH Annual Conference of the Italian Society of Law and Economics 2015, "Do behavioural sciences insights strengthen the proportionality of regulatory intervention?". Panel moderator and speaker at the International Society of Public Law (ICON-S) annual Conference on "Rethinking the Boundaries of Public Law and Public Space" (panel on "Law, Economics, and Competition"), Jun 26-28, 2014; Speaker at the VIII International Conference of the Academy Society for Competition Law-ASCOLA, "Competition Law as Regulation", Lecce, May 23-25, 2013; Speaker and organiser of the International Conference on "Policies and Tools for Local Sustainable Development. The Covenant of Mayors", Politecnico di Milano, March 22, 2012; Speaker at the International Workshop, "Nudging in Europe. What can EU Law learn from Behavioural Sciences?", Liège, December 12-13, 2013

#### **4. CARLONI Enrico**

Enrico Carloni (1971), since 2008 is associate professor of administrative law at the University of Perugia. Since 2013 he is enabled as a full professor in the field 12 / D1, surpassing all medians and with the unanimous opinion of the selection committee of ASN.

He's currently senior expert for the Ecole Nationale d'Administration - ENA, in the framework of a European project "twinning" support to the administrative modernization of Albania (2015-2016), and a legal expert for the Department of Cohesion - National Authority anti-corruption, as part of a study group for the definition of indicators for combating and preventing corruption (2015-2016).

He is currently involved in a project of the University of Barcelona (PI J. Ponce Sole, A. Cerrillo Martinez) on the contrast to administrative corruption.

##### **Work experience**

2008 - Today

Associate professor of Administrative law - Università degli studi di Perugia – Department of Political Science ([www.unipg.it](http://www.unipg.it)).

Actually lecturer of Administrative law, Regional and local government law, Open government and digital administration. He was also professor of Programming and management of public policies; Right of public communication; Media law.

Among others: Responsible of Educational project on "Public ethics and Codes of conduct" for Italian association of municipalities (ANCI) (2015).

President – coordinator of the course of study "Legal and economic discipline – Trainership for teaching" (academic year 2014-2015).

Coordinator of the research team of the department on "Information, communication, democracy" (2014-today).

2012 - Today

Councilor for Economic policies and Administrative simplification - Municipality of Città di Castello.

Among others: responsible of the strategic project "Città di Castello Smart City", for the "Urban Agenda" (FESR-FSE 2014-2020), and of the "Muster Project" (Europe for Citizens Programme).

2013 - Today

Member of the board of directors – Vice president

Center studies "Villa Montesca" - Foundation Hallgarden Franchetti ([www.montesca.it](http://www.montesca.it)).

Among others: member of the committee of European programme (ECHO) Cp-Model (Civil protection massive open developed e-learning) (since 2015).

2005-2008

Researcher of Administrative law - Università degli studi di Perugia – Department of Political Science

Lecturer of Regional and local government law, Information and communication law. Assistant professor of Administrative law

2002-2004

Research fellow in Administrative law - Università degli studi di Perugia – Department of Political Science.

Research activity: Programme on Evaluation of public policies and administrative reforms (FIRS Project – coordinated by Prof. Francesco Merloni).

##### **Education and training**

2013

Abilitation as Full professor of Administrative law

Italian Ministry of Education (Miur) – Agency for Academic Evaluation (Anvur) - Abilitation as Full professor by the national commission – 12/D1 scientific field (Administrative Law)

2013

Lawyer

Bar of Perugia - Special list of university professors

Resolution of the Order of Perugia, card. No. 1114000860.

2001

Ph.D. in Public Law

Università degli studi di Bologna – Alma Mater

Doctoral thesis on "Uniformity and differentiation in public law", tutor Prof. L. Vandelli. Frequency, with fellow, of doctorate program in administrative and public law at the Spisa (School of specialization in

administrative law and science of public administration).

Is the author of over 100 scientific papers on various issues of administrative law.

Presentations, conferences and scientific seminars:

Is responsible of over 80 scientific presentation in seminars, conference and meetings.

Courses and lessons for civil servants:

Several activities in training courses, seminars, lectures organized by leading educational institutions in the sector (in particular: Academy of autonomy; MIP Politecnico di Milano; Italian School of public administration (SSPA, SNA); Spisa of University of Bologna; High school of the local public administration (SSPAL); High School of Ministry of Interior.

Lectures and other activities in university master:

Teaching in these university masters: (2014) Master's degree in Administration and Government of the territory (Luiss University, Rome – High School of the Ministry of the Interior); (2014) Master's degree in Public ethics, transparency and legality (University of Rome III – High School of the Ministry of the Interior); (2011) Master in Analysis, prevention and fight against organized crime and corruption (University of Pisa); (from 2009 to 2014) Master's degree in Administrative law and science of the administration – DASA (University of Rome III); (2007) Course of specialization in administrative law and administration sciences (Spisa – University of Bologna); (2006) Master's degree in Administrative sciences (University of Urbino); (from 2000 to 2006) Master's degree – Advanced training course on Public and institutional communication (University of Perugia). (2000) Responsible for organizing the Master in regional and local government of University of Bologna.

Hearings:

2010: hearing as expert in the field of electronic government at the Constitutional affairs committee of the Italian Parliament (Camera dei deputati), about reform of Digital administration Code (decree n. 235/2010).

Visiting lecturer:

Universitat oberta de Catalunya – Barcelona – Spain (2009) (visiting lecturer fellow)  
Justus Liebig Universitat – Giessen – Germany (2015) (Erasmus placement for teaching)

Membership:

2010-today: member of the coordination committee of "San Martino" group, an academy of professors of administrative law and public law (and, in particular, he is responsible for the scientific planning of the biannual meetings of the San Martino).

2012-today: member of the Laboratoire Méditerranéen of droit public (sub-group Droits des nouvelles technologies de l'information de la communication, coordinated by G. Gardini).

2009-today: member of the board of the electronic journal "Amministrativamente" - ISSN 2036-7821.

2011-today: member of the association "Amici del diritto pubblico".

2008-today: member of the board of the electronic journal "Teutas – Law and technology journal – ISSN 2036-2234.

Academic colleges:

Member of doctoral colleges: (2007-today) Public administration and e-Government regulation (University of Cagliari); (2009-2014) Public law (Perugia); (2014-today) Politics, public policy and globalization (Perugia)

Activities of refereeing and evaluation:

2012-2013: Evaluator for Anvur, under the VQR (national program of evaluation of research products) program, in the field of legal studies ("Gev-12"); 2011: Anonymous evaluator for research projects under ESF -POR Calabria 20072013; 2009: Expert evaluator in procedures related to PRIN (project of national interest), in the field of legal science and studies on public administration.

Activities such as anonymous evaluator for scientific journals: (2010) Government Information Quarterly; (2015) Ius publicum; (2014) Diritto amministrativo; (2014) Munus; (2010, 2012) Giornale di dir. Amm.; (2011) Istituzioni del federalismo.

## 2- LIST OF SELECTED RESEARCH PROJECTS

Coordination of research projects

At the Department of Political Sciences, University of Perugia:

From 2008 to 2010. Prin 2007. Head of research unit (on "Scientific autonomy and self-government of the University", with the involvement of researchers from the Catholic University of Milan, Milan Polytechnic and J. Liebig University of Giessen) as part of a project coordinated at national level by Carlo



Marzuoli, University of Florence, on "The university system in the context of autonomy order", with the participation of the University of Bologna (G. Endrici), Tuscia (G. Vesperini), Sannio in Benevento ( P. Forte). Co-editor of the publication of research results.

Participation in research projects

At the Department of Political Sciences, University of Perugia:

By 2012. Project Prin 2010-2011 research program Interuniversity coordinated Unit Perugia (F. Merloni) about "Democratic institutions and administrations of Europe: cohesion and innovation in the time of economic crisis".

2008-2010. Project Prin 2007: under the coordination unit of Perugia (A. Pioggia), on the organization of the health service in a comparative perspective.

2007-2009. Prin 2006 project: coordinated by the University. Perugia (F. Merloni), on the topic "Ethics and public interest: rules, controls, responsibilities".

2006-2008. Prin 2005 project: coordinated by the Unit of Perugia (A. Pioggia), on the "The health services and the corporate model".

2005-2007. Prin 2004 project: coordinated by the Unit of Perugia (F. Merloni), on "Democratic principle, transparency and public administrations". Member of the research unit.

2003-2006. FISR project (P.I. F. Merloni) "Identification of the most appropriate methodologies for the analysis of public policies: the new techniques of government and technological innovation in the formation and implementation of public policies".

2003-2006. Project FIRB 2001 research program on "Administrative reforms: verification of effectiveness" (resp. F. Merloni).

2002-2004. Project Prin 2001 (resp. Local F. Merloni; P.I. G. Falcon) "The right of administrative organization in European countries: a comparative analysis".

2001-2003. Project Prin 2000 [Interuniversity: Perugia, Florence, CNR, Rome III] (resp. Local coord. Nat. F. Merloni) "Acts on organization of public administration between functionality and legality".

1999 to 2001. Project under the coordination unit of Perugia (F. Merloni), on "Information on administrative and public communication in the relationship between government and citizen".

## **5. DI PORTO Fabiana**

### **PERSONAL DATA**

Date and Place of Birth: August 9, 1973, Rome, ITALY

Current Address: Via del Porto Fluviale 59, 00154 Rome, ITALY

Home +39-06-5744787 Mob. 3475991260

email: fabiana.diporto@unisalento.it

Nationality: Italian

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### **AREAS OF INTEREST AND KEY QUALIFICATIONS**

Antitrust and Competition Law (EC and Italian); Consumer Law; Regulation; Public utilities' EC and Italian Law: electricity, gas, transports, posts; Local public services' regulation: water, transports, waste; Privatization; Public Procurement Law; Intellectual Professions; Risk Regulation; Conflict of Interests; Self-Regulation; Cognitive Sciences Behavioural law and economics.

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### **CURRENT POSITIONS AND RESPONSIBILITIES:**

Associate Professor (Professore Associato) of Economic Law, University of Salento, Lecce (since April 2011)

Co-director of Concorrenza e Mercato, Giuffrè ed., Milan (from 2011) (editorial coordinator from 2008-2011)

Qualified attorney (Avvocato) Bar of Rome (Ordine degli Avvocati di Roma, from 2004)

Member of the "Collegio dei docenti" (scientific board) of the PhD programme in "Economics, management and quantitative methods, University of Salento, Lecce (from 2014)

Member of the Scientific Committee of COLAP (Coordinamento Libere Associazioni Professionali) (from 2012)

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#### EDUCATION AND TRAINING:

2003: Docteur en droit privé, Université Robert Schuman, Strasbourg (co-tutorship Italy-France, Mention: Très honorable avec félicitations du jury)

2003: Dottore di ricerca (PhD) in Competition Law, University of Perugia

2002: Master of Science in Regulation, London School of Economics, London

2000: Intensive Course on American Legal System, New York University, NY

1999: Scholarship on "La politique communautaire de Concurrence face à la mondialisation et à l'élargissement de l'Union Européenne", Institut Universitaire International, Luxembourg

1999: DG Comp, European Commission: Trainee (Transport Unit); Auxiliary Agent (State Aid Unit)

1997: Laurea in Giurisprudenza (law degree), 110/110 cum laude with mention for publication, LUISS Guido Carli University, Rome

Oct. 2010 – Jan. 2011: Visiting Fellow at the Robert Schuman Center for Advanced Studies, European University Institute, Fiesole

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#### PAST ACADEMIC POSITIONS:

Assistant Professor (Professore Aggregato) of Economic Law, University of Siena (Dec. 2008 - Mar. 2011)

Contract Researcher (Assegnista di ricerca) of Economic Law, University of Siena (Oct. 2005 - Nov. 2008)

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#### ACADEMIC AND PROFESSIONAL ACTIVITIES:

2005 – March 2011 University of Siena

Researcher and lecturer

Member of the "Collegio dei docenti" of the PhD Programme in Law & Economics

1997-2005 LUISS Guido Carli University, Rome

Research fellow for:

- Observatory on Intellectual Property, Competition and Communications (to present)
- Research Centre on Company Law (CERADI) (Dir. Prof. G. Visentini)
- Research Centre for Public Administrations "Vittorio Bachelet"
- Chair of Intellectual Property Law (Prof. G. Ghidini)
- Chair of Economic Public Law (Prof. G. Di Gaspere)
- PhD Course in Law and Economics

#### 1997 - present: OTHER TRAINING ACTIVITIES:

• Course on "Politiche europee dell'energia e sostenibilità. Un obiettivo raggiungibile", Univ. Statale di Milano

• Master in Innovation and management in public administrations, Univ. Tor Vergata, Rome

• Master in "Energy Law", Luiss Guido Carli, Rome

• Ateneo Pontificio Regina Apostolorum, Rome, Master in "Philosophical counseling (invited speech on "Non-regulated professions")

• European University Institute, Fiesole (Chairman at the international Conference "Consumer Protection in Europe")

• Sapienza Univ. of Rome – Lateran University (Master in "Global Regulation of Markets")

• Sapienza Univ. of Rome (Master Programme in "Organization and Functioning of the Public Administration - OFPA")

• Univ. of Pavia, IUSS (PhD Programme in "Economics, Law, Institutions)

• European University Institute, RSCAS, Fiesole (Regulation and Competition Workshop)

• Univ. of Milan, Fac. of Political Science (Post-grad course on "Theories of regulation")

• Univ. Roma Tre, Rome (various postgrad courses)

• Univ. Paris Dauphine, Paris (Colloque sur "Les Autorités de régulation en Europe - Modèles comparés") (in French)

• LUISS Business School, Rome (various Master Programmes)

• ASCOLA (Academic Society for Competition Law, annual conference: Speech on competition and regulation of energy markets resulted in a publication)

• AIDE (Association Internationale de Droit de l'Economie), Annual Conference (in French)

• Croatian Competition Authority, Academy of Judges, Energy Regulator, Zagreb (EC-funded Project on "Support to the development of competition policy in Croatia in line with EU standards and practice")

- REF (Research Center for Economics and Finance), Milan

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#### LECTURES AND SPEECHES AT NATIONAL AND INTERNATIONAL CONFERENCES (from 2011)

26 Nov. 2015 "The abuse of right in Italian antitrust case-law", Course "Antitrust for judges", Autorità Garante della concorrenza e del mercato, Rome  
 nov. 2015 "The More Economic Approach in the Case Law of the Italian Competition Authority", in "EU competition law enforcement", European University Institute, Fiesole  
 June 2015 "Cognitive sciences for an effective regulation of financial information", Consob, Rome  
 June 2015 "New trends in legal research in the framework of energy law in Europe", Hebrew University, Jerusalem  
 Mar. 2015 "Scienze comportamentali per un nuovo modello di amministrazione: sfide e obiettivi", Scuola Nazionale dell'Amministrazione, Rome (discussant)  
 Feb. 2015 "Free vs protected electricity prices: what perspectives for the reform of the Italian retail market?", conference "Electricity reforms between efficiency and equity", Acquirente Unico, Rome  
 Nov. 2014 "Cognitive-based regulation: perspectives and shortfalls", International conference "Cognitive-based approaches to regulation: Nudging and beyond. A conversation with Robert Baldwin", Luiss Guido Carli, Rome  
 26-28.VI.2014 "Cognitive-Based Public Law: Rule-Making Process and Regulatory Tools Revisited" (with N. Rangone), I annual conference of the International Society of Public Law (ICON-S) "The boundaries of public law", Firenze  
 20.VI.2014 "Information Remedies vs. Regulation: Faraway, so close", International conference on "Information and Antitrust", Univ. Bocconi and Univ. del Salento, Milan,  
 3 April 2014 "Presentation: Comparative study on energy retail price components and tools to protect consumers in liberalised markets", Acquirente Unico, Rome  
 Dec. 2013 "Law No. 4/2013 on non regulated professions a year away: A preliminary assessment", Conference on "F.A.R.E. PROFESSIONISTI – Education, certification, economics", CoLAP (Committee of Free Professional Associations), Rome  
 Dec. 2013 "Cognitive-Based Regulation: New Challenges for Regulators?" International conference "Nudging in Europe: What can EU Law learn from Behavioural Sciences?", Univ. of Liège  
 May 2013 "Market information flows: new challenges for competition law", VIII Annual Conference of ASCOLA (Academic Society for Competition Law), Univ. del Salento, Lecce  
 Apr. 2013 "Insurances, cognitive/behavioural limitations and regulatory choices", Univ. Roma Tre  
 21.5.2012 "Protection and empowerment of final consumer: cognitive profiles of regulation" Conference on "Consumers in EU energy markets", Autorità per l'energia elettrica e il gas, Acquirente Unico and IERN-EUI, Rome,  
 Feb. 2012 Chairman, International conference "Consumer Protection in Europe", organised by Acquirente Unico and European University Institute, Fiesole  
 2-3.XII.2011 "Risk regulation, information and legal certitude" Annual Conference of Italian Association of Food Law, Univ. of Tuscia, Viterbo,  
 25.11.2011 "Information challenges for the post-liberalized Italian energy retail markets" Annual Conference of "Competition and regulation in network industries - CRNI", Bruxelles  
 17.1.2011 "Nudging network industries?", speech at the Workshop Regulation and Competition, RSCAS, European University Institute, Fiesole

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#### ORGANISATION OF CONFERENCES AND SEMINARS

III-VII.2015 Co-organisation (with N. Rangone) of a Cycle of seminars on "Cognitive sciences for an effective regulation": financial markets, tax evasion, games, energy, Lumsa, Rome  
 X.2014 Co- organisation (with M. Clarich) of an international conference on "Cognitive-based approaches to regulation: Nudging and beyond. A conversation with Robert Baldwin", Luiss Guido Carli, Rome  
 20.VI.2014 Co- organisation (with M. Maggiolino) of the international conference "Antitrust and Information", Univ. Bocconi and Univ. del Salento, Milan  
 V.2013 Co- organisation (with J. Drexler) of the VIII Annual Conference di Academic Society for Competition Law, on "Competition Law as Regulation?", Univ. of Salento, Lecce  
 III.2013 Co- organisation of the conference celebrating XX years of the annual journal "Concorrenza e mercato", on "New competences new role for the Italian antitrust authority?", Auditorium, Italian Competition Authority, Rome

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#### EDITORIAL ACTIVITIES, REFEREE

From 2011-present Co-director (with G. Ghidini, P. Marchetti and M. Clarich) of the annual journal "Concorrenza e mercato. Antitrust, regulation, consumer welfare, IP", Giuffrè Ed., Milan  
 2008-2011 Editorial coordinator for the annual journal "Concorrenza e mercato", Giuffrè, Milano  
 X.2003-II.2007 Istituto dell'Enciclopedia Italiana Giovanni Treccani, Rome: editor for the "Enciclopedia of

### 3 – Principal scientific publications of PI

1. ZENO ZENCOVICH V (2014). Anonymous speech on the Internet. In: (a cura di): KOLTAY Andras, Media Freedom and Regulation in the New Media World. p. 103-116, Wolters Kluwer, ISBN: 978-963-295-400-4 - **Contributo in volume (Capitolo o Saggio)**
2. ZENO ZENCOVICH V, COLANGELO M (2015). La intermediazione on-line e la disciplina della concorrenza: i servizi di viaggio, soggiorno e svago  
. IL DIRITTO DELL'INFORMAZIONE E DELL'INFORMATICA, p. 43-88, ISSN: 1593-5795 - **Articolo in rivista**
3. ZENO ZENCOVICH V, RESTA G (a cura di) (2015). Il diritto all'oblio su Internet dopo la sentenza Google Spain .  
CONSUMATORI E MERCATO, vol. 3, p. 1-354, Roma:Roma TrEpress, ISBN: 978-88-97524-27-4 - **Curatela**
4. SICA S, ZENO ZENCOVICH V (a cura di) (2014). MANUALE DI DIRITTO DELL'INFORMAZIONE E DELLA COMUNICAZIONE. p. 1-630, PADOVA:CEDAM, ISBN: 978-88-13-35707-8 - **Curatela**
5. PASQUALE STANZIONE, SALVATORE SICA, ZENO ZENCOVICH V (a cura di) (2006). La moneta elettronica: profili giuridici e problematiche applicative. MILANO:Giuffrè - **Curatela**
6. ZENO ZENCOVICH V (2004). Il codice dei dati personali. Temi e problemi. vol. 1, p. 1-657, MILANO:Giuffrè, ISBN: 88-14-11404-8 - **Monografia o trattato scientifico**
7. ZENO ZENCOVICH V (a cura di) (1998). Trattamento dei dati e tutela della persona. MILANO:Giuffrè - **Curatela**
8. ZENO ZENCOVICH V (a cura di) (1997). La tutela dei dati personali. Commentario alla legge 675/96 (II edizione) .  
PADOVA:CEDAM - **Curatela**
9. ZENO ZENCOVICH V (a cura di) (1985). Le banche dati in Italia. NAPOLI:Jovene Editore - **Curatela**
10. VINCENZO ZENO ZENCOVICH (2008). Freedom of Expression. A Critical and Comparative Analysis. p. I-148,  
. Abingdon:Routledge- Cavendish, ISBN: 978-0-415-46670-7 - **Monografia o trattato scientifico**
11. ZENO ZENCOVICH V (2004). La libertà di espressione. Media, mercato e potere nella società dell'informazione,. p. 1-167,  
. BOLOGNA:Il Mulino, ISBN: 88-15-09794-5 - **Monografia o trattato scientifico**
12. VINCENZO ZENO ZENCOVICH (2009). Legal Information as an Essential Aspect of Citizenship. In: G. PERUGINELLI - M.  
. RAGONA (eds.). Law Via the Internet. Free Access. Quality of Information. Effectiveness of Rights. p. 33-40, Firenze:European  
press academic publishing, ISBN: 978-88-8398-058-9 -**Contributo in volume (Capitolo o Saggio)**
13. VINCENZO ZENO ZENCOVICH (2009). The Bingham Court. In: M. Andenas D. Fairgrieve. Tom Bingham and the  
. Transformation of the Law. A Liber Amicorum. p. 823-839, Oxford:Oxford University Press, ISBN: 9780199566181 -  
**Contributo in volume (Capitolo o Saggio)**
14. ZENO ZENCOVICH Vincenzo (2015). Sex and the contract. From infamous commerce to the market for sexual goods and  
. services (II edition). p. 1-209, Roma:RomaTrE-Press, ISBN: 978-88-97524-43-4 - **Monografia o trattato scientifico**
15. ZENO ZENCOVICH V (a cura di) (2014). Cosmetici. Diritto, regolazione, bio-etica . Di ZENO ZENCOVICH Vincenzo,  
. AMOROSINO Sandro, BENACCHIO Giannantonio, RESCIGNO Francesca, CAMARDI Carmelita, CERINI Diana,  
MACARIO Francesco, GOUT Olivier, PAGLIETTI Maria Cecilia. p. 1-176, Roma:RomaTrE-Press, ISBN: 978-88-97524-07-6 -  
**Curatela**
16. MARGHERITA COLANGELO, VINCENZO ZENO ZENCOVICH (2015). Introduction to European Union Transport Law.  
. Roma:RomaTrE-Press, ISBN: 978-88-97524-21-2 - **Monografia o trattato scientifico**
17. RESTA G, ZENO ZENCOVICH V (a cura di) (2015). Leggi razziali. Passato / Presente . Di TOSCANO M , FALCONIERI S ,  
. BARTOLINI G , RESTA G ,SOMMA A , SPECIALE G , PARLATO G , VARDI N , VIGEVANI G E. p. 1-223,  
Roma:RomaTrE-Press, ISBN: 978-88-97524-35-9 - **Curatela**
18. ZENO ZENCOVICH V, PAGLIETTI M C (2014). LE DROIT PROCESSUEL DES CONSOMMATEURS. REVUE DE DROIT  
. INTERNATIONAL ET DE DROIT COMPARÉ, p. 321-354, ISSN: 0775-4663 - **Articolo in rivista**

### 4 – Principal scientific publications of associated investigators

#### 1 AMMANNATI Laura

1. L. Ammannati (2015). Restructuring Global Governance of the Financial System: a Framework for Preventing

- Systemic Risk. In: (a cura di): P. Dabrowska-Klosinska, Essays on Global Safety Governance: Challeges and Solutions. p. 41-69, Warszawa:Centre for Europe, University of Warszawa, ISBN: 978-83-7545-599-1 - **Contributo in volume (Capitolo o Saggio)**
2. L. Ammannati (2014). Il 'valore' del rating nelle regolazioni pubbliche : regolare il mercato del rating o superare il rating?. RIVISTA DELLA REGOLAZIONE DEI MERCATI, p. 31-62, ISSN: 2284-2934 - **Articolo in rivista**
  3. L. Ammannati (2006). La regolazione debole : il caso del settore elettrico italiano : da una "nazionalizzazione al buio" ad una regolazione che "spegne la luce". In: El derecho de la energia. p. 277-298, Sevilla:IAAP, ISBN: 84-8333-312-0, Siviglia, 2004 - **Contributo in Atti di convegno**
  4. L. Ammannati (2012). L'Agenzia per la Cooperazione tra i Regolatori dell'Energia : organismo europeo di regolazione o di coordinamento dei regolatori nazionali?. In: (a cura di): P. Bilancia, la regolazione dei mercati di settore tra autorità indipendenti nazionali ed organismi europei. p. 197-213, Milano:Giuffrè, ISBN: 9788814174230 - **Contributo in volume (Capitolo o Saggio)**
  5. L. Ammannati (2012). The creation of the "agency for the Cooperation of Energy Regulators" : its role in the governance of the European energy market. In: (a cura di): L. Ammannati, Networks : in search of a model for european and global regulation. p. 29-51, Torino:Giappichelli, ISBN: 9788834839881 - **Contributo in volume (Capitolo o Saggio)**
  6. L. Ammannati (2012). La riforma del mercato elettrico inglese: dalla liberalizzazione ad un nuovo interventismo? Il punto dopo la pubblicazione del "White paper for secure, affordable and low carbon electricity". In: (a cura di): A. Maestroni;M. De Focatiis, Politica energetica, regolazione e mercato : il nuovo diritto dell'energia tra libertà e limitazioni concorrenziali ed ambientali. p. 147-164, Milano:Giuffrè, ISBN: 88-14-17555-1 - **Contributo in volume (Capitolo o Saggio)**
  7. L. Ammannati (2012). Il rapporto tra concorrenza e welfare di fronte alla crisi. In: (a cura di): G. Colombini;M. Passalacqua, Mercati e banche nella crisi : regole di concorrenza e aiuti di stato. p. 167-184, Napoli:Editoriale Scientifica, ISBN: 978-88-6342-382-2 - **Contributo in volume (Capitolo o Saggio)**
  8. L. Ammannati (2013). Quis custodiet ipsos custodies? Qualche osservazione sul disegno della valutazione. In: (a cura di): G. Colombini, Finanziamento, competizione ed accountability nel governo dell'università. 3, Criticità del sistema e incertezze per il futuro. PERCORSI DI DIRITTO AMMINISTRATIVO, p. 41-57, Napoli:Editoriale Scientifica, ISBN: 978-88-6342-515-4 - **Contributo in volume (Capitolo o Saggio)**
  9. L. Ammannati (2003). Diritto e mercato. Una rilettura delle loro attuali relazioni alla luce della nozione di 'transaction' di Commons. DIRITTO PUBBLICO, vol. 9, p. 113-156, ISSN: 1721-8985, doi: 10.1438/9097 - **Articolo in rivista**
  10. L. Ammannati, M. De Focatiis (2010). Un nuovo diritto per il nucleare. Una prima lettura del d. lgs. 31/2010. GIUSTAMM.IT, ISSN: 1972-3431 - **Articolo in rivista**
  11. L. Ammannati (2011). Regulation Information and New Information Technologie. Do "wiki-based instruments" play an influent role in regulatory procedures at the global level?. ASTRID RASSEGNA, vol. 2011, p. 1-22, ISSN: 2038-1662 - **Articolo in rivista**
  12. L. Ammannati (2011). L'"Agenzia per la Cooperazione tra i Regolatori dell'Energia" e la costruzione del mercato unico dell'energia. RIVISTA ITALIANA DI DIRITTO PUBBLICO COMUNITARIO, vol. 21, p. 675-698, ISSN: 1121-404X - **Articolo in rivista**
  13. L. Ammannati (2013). Le politiche di efficienza energetica nel quadro del pacchetto europeo clima-energia. AMMINISTRAZIONE IN CAMMINO, vol. 2013, p. 1-10, ISSN: 2038-3711 - **Articolo in rivista**
  14. L. Ammannati (2011). L'incertezza del diritto : a proposito della politica per le energie rinnovabili. RIVISTA QUADRIMESTRALE DI DIRITTO DELL'AMBIENTE, p. 1-27, ISSN: 2239-964X - **Articolo in rivista**
  15. L. Ammannati (2011). Il ruolo dell'Agenzia per la Cooperazione tra i Regolatori dell'Energia nella governance e nella regolazione del settore energetico. AMMINISTRAZIONE IN CAMMINO, p. 1-16, ISSN: 2038-3711 - **Articolo in rivista**
  16. L. Ammannati (1998). La tutela della concorrenza tra influenza del sistema comunitario e principio di sussidiarietà. In: (a cura di): L. Ammannati, La concorrenza in Europa : sistemi organizzativi e autorità di garanzia. p. 1-12, PADOVA:CEDAM, ISBN: 88-13-21253-4 - **Breve introduzione**
  17. L. Ammannati (2012). Introduction. In: (a cura di): L. Ammannati, Networks : in search of a Model for European and Global Regulation. p. 1-4, Torino:Giappichelli, ISBN: 9788834839881 - **Breve introduzione**
  18. L. Ammannati (2006). La forza espansiva del modello di affidamento in house. Il settore del gas tra assimilazione alla disciplina generale dei servizi pubblici locali e incertezze del modello comunitario. RIVISTA ITALIANA DI DIRITTO PUBBLICO COMUNITARIO, vol. 2005, p. 1709-1739, ISSN: 1121-404X - **Articolo in rivista**
  19. L. Ammannati, F. Di Porto (2007). I servizi pubblici in Italia : quale regolazione?. AMMINISTRAZIONE IN CAMMINO, ISSN: 2038-3711 - **Articolo in rivista**
  20. L. Ammannati (2004). Sulla inattuallità della concorrenza nei servizi pubblici locali. In: Servizi pubblici locali per la comunità Locale. GIORNALE DI DIRITTO AMMINISTRATIVO, vol. 2004, p. 906-915, Ipsa, ISSN: 1591-559X, Siena, 2003 - **Contributo in Atti di convegno**

## 2 GHEZZI Federico

1. F. Ghezzi, G.D. Pini (2014). Partecipazioni di minoranza e disciplina europea delle concentrazioni tra imprese. RIVISTA DELLE SOCIETA', vol. 59, p. 93-143, ISSN: 0035-6018 - **Articolo in rivista**
2. F. Ghezzi, M. Maggiolino (2014). BRIDGING EU CONCERTED PRACTICES WITH U.S. CONCERTED ACTIONS. JOURNAL OF COMPETITION LAW & ECONOMICS, p. 647-690, ISSN: 1744-6414 - **Articolo in rivista**
3. F. Ghezzi, M. Maggiolino (2014). La cessione dei diritti audiovisivi del Campionato di calcio di Serie A, tra

- regolazione procompetitiva e tutela della concorrenza . RIVISTA DELLA REGOLAZIONE DEI MERCATI, p. 137-171, ISSN: 2284-2934 - **Articolo in rivista**
4. Federico Ghezzi, Mariateresa Maggiolino (2014). L'??imputazione delle sanzioni antitrust nei gruppi di imprese, tra ???responsabilità personale??? e finalità dissuasive. RIVISTA DELLE SOCIETA', p. 1060-1123, ISSN: 0035-6018 - **Articolo in rivista**
  5. F. Ghezzi, M. Maggiolino (2013). Le pratiche concordate nel diritto antitrust europeo, ossia: quando giochi a carte, tienile coperte . RIVISTA DELLE SOCIETA', p. 1238-1280, ISSN: 0035-6018 - **Articolo in rivista**
  6. Federico Ghezzi (2013). La disciplina di controllo delle concentrazioni in Italia e l'obbligo di comunicazione preventiva: "dal pieno al vuoto". RIVISTA DELLE SOCIETA', vol. 58, p. 485-504, ISSN: 0035-6018 - **Articolo in rivista**
  7. F. Ghezzi (2012). La nuova disciplina dei legami personali in Italia. MERCATO CONCORRENZA REGOLE, vol. XIV, p. 199-229, ISSN: 1590-5128 - **Articolo in rivista**
  8. Federico Ghezzi (2012). La disciplina italiana degli impegni antitrust, ossia l'uso e l'abuso di uno strumento di decisione (troppo) flessibile. RIVISTA DELLE SOCIETA', vol. 57, p. 447-496, ISSN: 0035-6018 - **Articolo in rivista**
  9. F. Ghezzi (2011). codici di condotta, autodisciplina, pratiche commerciali scorrette: un rapporto difficile. RIVISTA DELLE SOCIETA', vol. 56, p. 680-701, ISSN: 0035-6018 - **Articolo in rivista**
  10. F. Ghezzi, M. Maggiolino (2011). Crisi d'impresa e diritto antitrust. RIVISTA DELLE SOCIETA', vol. 56, p. 334-403, ISSN: 0035-6018 - **Articolo in rivista**
  11. F. GHEZZI (2008). Obiettivi e priorità nell'applicazione della disciplina delle intese in Italia. ECONOMIA E POLITICA INDUSTRIALE, vol. 34, p. 5-28, ISSN: 0391-2078 - **Articolo in rivista**
  12. F. GHEZZI (2007). L'Autorità garante della concorrenza e il disegno di legge governativo di riforma delle autorità indipendenti. RIVISTA DELLE SOCIETA', vol. 53, p. 532-583, ISSN: 0035-6018 - **Articolo in rivista**
  13. F. Ghezzi, M. Montagnani (2004). Software e innovazione predatoria. AIDA. ANNALI ITALIANI DEL DIRITTO D'AUTORE, DELLA CULTURA E DELLO SPETTACOLO, p. 425-450, ISSN: 1720-4259 - **Articolo in rivista**
  14. F. GHEZZI (2003). La disciplina delle concentrazioni e la promozione dei campioni nazionali tra diritto comunitario e normative nazionali antitrust. RIVISTA DELLE SOCIETA', vol. 48, p. 1098-1140, ISSN: 0035-6018 - **Articolo in rivista**
  15. F. GHEZZI (2002). Verso un diritto antitrust comune? Il processo di convergenza delle discipline statunitense e comunitaria in materia di intese. RIVISTA DELLE SOCIETA', vol. 47, p. 499-595, ISSN: 0035-6018 - **Articolo in rivista**
  16. GHEZZI F (2001). La valutazione delle concentrazioni verticali nei "mercati della con-vergenza" tra i settori delle telecomunicazioni e dell'emittenza tele-visiva. RIVISTA DELLE SOCIETA', p. 563-612, ISSN: 0035-6018 - **Articolo in rivista**
  17. GHEZZI F (2000). Brevi considerazioni in tema di "intese anticontraffazione" e diritto antitrust. AIDA. ANNALI ITALIANI DEL DIRITTO D'AUTORE, DELLA CULTURA E DELLO SPETTACOLO, p. 25-49, ISSN: 1720-4259 - **Articolo in rivista**
  18. F. Ghezzi (2012). Commento all'art. 101 TFUE sezII-II-III-IV. In: (a cura di): L.C. Ubertaini, Commentario breve alle leggi su proprietà intellettuale e concorrenza. . p. 2479-2564, CEDAM, ISBN: 9788813311902 - **Contributo in volume (Capitolo o Saggio)**
  19. F. Ghezzi, M. Maggiolino (2011). L'ABUSO DI POSIZIONE DOMINANTE: ALCUNE NOTAZIONI DI CARATTERE GENERALE. In: (a cura di): A. Catricalà, E. Gabrielli, I Contratti nella concorrenza. p. 211-242, utet giuridica, ISBN: 9788859802358 - **Contributo in volume (Capitolo o Saggio)**
  20. A. Flanagan, F. Ghezzi, M.L. Montagnani (2010). The search for boundaries: IPR exercise and enforcement as 'misuse'. In: (a cura di): A. Flanagan, M.L. Montagnani, Intellectual Property Law: Economic and Social Justice Perspectives. p. 144-162, Edward Elgar Publisher, ISBN: 9781848446274 - **Contributo in volume (Capitolo o Saggio)**

### 3 RANGONE Nicoletta

1. N. Rangone (2012). The myth and reality of good quality regulation tools. ITALIAN JOURNAL OF PUBLIC LAW, vol. 4, p. 1-30, ISSN: 2239-8279 - **Articolo in rivista**
2. RANGONE N (2004). Commento al Codice delle comunicazioni elettroniche. GIORNALE DI DIRITTO AMMINISTRATIVO, vol. 11, p. 1173-1182, ISSN: 1591-559X - **Articolo in rivista**
3. RANGONE N (2003). Continuità, trasparenza e regolazione del servizio universale. GIORNALE DI DIRITTO AMMINISTRATIVO, vol. 10, p. 1089-1094, ISSN: 1591-559X - **Articolo in rivista**
4. RANGONE N (2002). L'assetto organizzativo del settore delle telecomunicazioni. GIORNALE DI DIRITTO AMMINISTRATIVO, vol. 10, p. 1123-1131, ISSN: 1591-559X - **Articolo in rivista**
5. RANGONE N (2015). New Frontiers for Competition Advocacy and the Potential Role of Competition Impact Assessment. In: (a cura di): DREXEL J DI PORTO F , Competition Law as Regulation. p. 118-150, UK and Northampton:Edward Elgar: Cheltenham, ISBN: 978-1-78347-258-1 - **Contributo in volume (Capitolo o Saggio)**
6. RANGONE N (2015). Regolazione e concorrenza nei servizi a rete. Il trasporto ferroviario. In: (a cura di): Michela Passalacqua, Il «disordine» dei servizi pubblici locali. Dalla promozione del mercato ai vincoli di finanza pubblica. p. 73-93, ISBN: 978-88-9210019-0 - **Contributo in volume (Capitolo o Saggio)**
7. RANGONE N, Fabiana Di Porto (2015). Behavioural Sciences in Practice: Lessons for EU Policymakers . In: (a cura di): ALEMANNO A SIBONY AL, Nudging and the Law. What Can EU Law Learn from Behavioural Sciences?. p. 29-59, Hart Publishing, ISBN: 978-1-84946-732-2 - **Contributo in volume (Capitolo o Saggio)**
8. RANGONE N (2014). Incidenza della regolazione sull'economia ... e viceversa. In: (a cura di): LEMME GIULIANO, Diritto ed economia del mercato. p. 393-414, PADOVA:WOLTERS KLUWER - CEDAM, ISBN: 978-88-13-34111-4 -

#### **Contributo in volume (Capitolo o Saggio)**

9. N. Rangone (2007). Veneto; Calabria; Campania. In: OECD. Reviews of Regulatory Reform Italy: Ensuring Quality across Levels of Government. p. 35-92, OECD, ISBN: 9789264040458 - **Contributo in volume (Capitolo o Saggio)**
10. RANGONE N (2006). Comunicazioni elettroniche. In: S. Cassese. Dizionario di diritto pubblico. vol. II, p. 1101-1110 - **Contributo in volume (Capitolo o Saggio)**
11. RANGONE N (2006). Regolazione. In: S. Cassese. Dizionario di diritto pubblico vol V. p. 5057-5070 - **Contributo in volume (Capitolo o Saggio)**
12. N. Rangone (2003). Le telecomunicazioni. In: S. Cassese. Trattato di diritto amministrativo. vol. III, p. 2391-2438, Milano:Giuffrè Editore, ISBN: 8814103852 - **Contributo in volume (Capitolo o Saggio)**
13. N. Rangone (2002). I servizi pubblici: nozioni e regole. In: Associazione italiana dei professori di diritto amministrativo. Annuario 2001. GIUFFRÈ EDITORE, ISBN: 881409392X - **Contributo in volume (Capitolo o Saggio)**
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19. RANGONE N (2015). Semplificazione amministrativa. In: Enciclopedia Italiana di Scienze, Lettere e Arti Treccani, appendice IX. vol. X, Roma:Enciclopedia Italiana di Scienze, Lettere ed Arti fondata da G. Treccani , ISBN: 978-88-12-00557-4 - **Voce (in dizionario o enciclopedia)**
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2. E. Carloni (2011). Le verità amministrative. L'attività conoscitiva pubblica tra procedimento e processo. p. 1-298, MILANO:Giuffrè, ISBN: 8814172684 - **Monografia o trattato scientifico**
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4. Carloni Enrico (2015). Tendenze recenti e nuovi principi della digitalizzazione pubblica. GIORNALE DI DIRITTO AMMINISTRATIVO, p. 148-158, ISSN: 1591-559X - **Articolo in rivista**
5. Carloni Enrico (2014). Le Linee guida del Garante della privacy: protezione dei dati e protezione dell'opacità. GIORNALE DI DIRITTO AMMINISTRATIVO, vol. 2014, p. 1113-1122, ISSN: 1591-559X - **Articolo in rivista**
6. CARLONI E. (2012). Amministrazione aperta e governance dell'Italia digitale. GIORNALE DI DIRITTO AMMINISTRATIVO, p. 1041-1046, ISSN: 1591-559X - **Articolo in rivista**
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11. E. CARLONI (2008). Le prospettive dell'eGovernment nella Repubblica delle autonomie. GIORNALE DI DIRITTO AMMINISTRATIVO, vol. 4 / 2008, p. 453-459, ISSN: 1591-559X - **Articolo in rivista**
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15. Carloni E. (2013). I principi del codice della trasparenza. In: Ponti B. (a cura di). La trasparenza amministrativa dopo il d.lgs. 14 marzo 2013, n. 33. p. 29-56, Santarcangelo di Romagna:Maggioli editore, ISBN: 9788838781025 - **Contributo in volume (Capitolo o Saggio)**
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servizio della Nazione. Etica e statuto del funzionario pubblico. p. 108-132, Milano:Franco Angeli, ISBN: 9788856815931 - **Contributo in volume (Capitolo o Saggio)**

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18. Carloni E. (2008). La qualità dei dati pubblici. In: PONTI B. A CURA DI. Il regime dei dati pubblici. Esperienze europee e ordinamento nazionale. p. 253-310, RIMINI:MAGGIOLI, ISBN: 9788838747120 - **Contributo in volume (Capitolo o Saggio)**
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## 5 DI PORTO Fabiana

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6. Fabiana Di Porto (2011). L’informazione come ‘oggetto’ e come ‘strumento’ di regolazione (il caso dei mercati energetici al dettaglio). RIVISTA TRIMESTRALE DI DIRITTO PUBBLICO, vol. 4, p. 975-1010, ISSN: 0557-1464 - **Articolo in rivista**
7. Fabiana Di Porto (2011). New information challenges for the Italian energy retail market. NETWORK INDUSTRIES QUARTERLY, vol. 2, p. 22-25, ISSN: 1662-6176 - **Articolo in rivista**
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11. F. Di Porto, N. Rangone (2015). Behavioural Sciences in Practice: Lessons for EU Rulemakers. In: A. Alemanno A.-L. Sibony. Nudge and the Law. A European perspective. p. 29-59, OXFORD:Hart Publishing, ISBN: 9781849467322 - **Contributo in volume (Capitolo o Saggio)**
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17. F. Di Porto (2004). Vertical Integration and Control of Key Bottleneck Facilities in the Broadcasting Sector. In: -. Working Papers 2003-2004 a cura dell’Osservatorio di Proprietà Intellettuale, Concorrenza e Comunicazioni, CERADI, LUISS Guido Carli. p. 17-28, Roma:LUISS Guido Carli - Osservatorio di Proprietà Intellettuale, Concorrenza e Comunicazioni - **Contributo in volume (Capitolo o Saggio)**
18. F. Di Porto, Josef Drexl (a cura di) (2015). Preface. Competition Law as Regulation, ASCOLA (Academic Society for



- Competition Law) Series. CHELTENHAM:Edward Elgar, ISBN: 9781783472581 - **Curatela**
19. F. Di Porto (2011). Energy Law in Italy. Alphen aan den Rijn:Kluwer Law International, ISBN: 9789041137760 - **Monografia o trattato scientifico**
20. Fabiana Di Porto (2008). La disciplina delle reti nel diritto dell'economia. vol. VI, PADOVA:CEDAM, ISBN: 9788813288785 - **Monografia o trattato scientifico**

## 5 – Main staff involved, highlighting the time commitment expected

### List of the Research Units

#### Unit 1 - ZENO ZENCOVICH Vincenzo

##### Personnel of the research unit

n°	Surname Name	Category	University/Research Institution	E-mail address	Months/person expected
1.	ZENO ZENCOVICH Vincenzo	Professore Ordinario	Università degli Studi ROMA TRE	vincenzo.zenozencovich@uniroma3.it (adesione completata il 12/12/2015)	4,0
2.	RESTA Giorgio	Professore Associato confermato	Università degli Studi ROMA TRE	giorgio.resta@uniba.it (adesione completata il 10/12/2015)	0,6
3.	MANTELERO Alessandro	Ricercatore confermato	Politecnico di TORINO	alessandro.mantelero@polito.it (adesione completata il 10/12/2015)	1,0
4.	MEZZANOTTE Francesco	Assegnista	Università degli Studi ROMA TRE	francesco.mezzanotte@uniroma3.it (adesione completata il 28/12/2015)	2,0

##### Possible sub-unit

Surname	Name	Category	E-mail address	Months/person expected
GIANNONE CODIGLIONE	GIORGIO	CHIEF PROJECT RESEARCHER	g.giannonecodiglione@gmail.com	4,0
LOTANO	LUCA	RESEARCHER	segreteria@fondazionecalamandrei.it	4,0

##### Institution:

Fondazione Centro di iniziativa giuridica Piero Calamandrei

#### Unit 2 - AMMANNATI Laura

##### Personnel of the research unit

n°	Surname Name	Category	University/Research Institution	E-mail address	Months/person expected
1.	AMMANNATI Laura	Professore Ordinario	Università degli Studi di MILANO	laura.ammannati@unimi.it (adesione completata il 20/12/2015)	0,5

n°	Surname Name	Category	University/Research Institution	E-mail address	Months/person expected
2.	MARINO Giuseppe	Professore Associato confermato	Università degli Studi di MILANO	giuseppe.marino@unimi.it (adesione completata il 23/12/2015)	0,7
3.	MINNECI Ugo	Professore Associato confermato	Università degli Studi di MILANO	ugo.minneci@unimi.it (adesione completata il 22/12/2015)	0,7
4.	OROFINO Marco	Ricercatore confermato	Università degli Studi di MILANO	marco.orofino@unimi.it (adesione completata il 22/12/2015)	0,7
5.	VILLATA Francesca Clara	Professore Associato confermato	Università degli Studi di MILANO	francesca.villata@unimi.it (adesione completata il 22/12/2015)	0,7
6.	CERVONE Elisabetta	Assegnista	Università degli Studi di MILANO	elisabetta.cervone@yahoo.com (adesione completata il 14/01/2016)	12,0

### Unit 3 - GHEZZI Federico

#### Personnel of the research unit

n°	Surname Name	Category	University/Research Institution	E-mail address	Months/person expected
1.	GHEZZI Federico	Professore Ordinario	Università Commerciale "Luigi Bocconi" MILANO	federico.ghezzi@unibocconi.it (adesione completata il 15/01/2016)	0,5
2.	MAGNANI Paola	Professore Associato confermato	Università Commerciale "Luigi Bocconi" MILANO	paola.magnani@unibocconi.it (adesione completata il 17/12/2015)	0,3
3.	MONTAGNANI Maria Lilla'	Professore Associato (L. 240/10)	Università Commerciale "Luigi Bocconi" MILANO	lilla.montagnani@unibocconi.it (adesione completata il 08/01/2016)	1,0
4.	MAGGIOLINO Mariateresa	Ricercatore a t.d. (art.1 comma 14 L. 230/05)	Università Commerciale "Luigi Bocconi" MILANO	mariateresa.maggiolino@unibocconi.it (adesione completata il 08/01/2016)	10,0
5.	AREZZO Emanuela	Ricercatore non confermato	Università degli Studi di TERAMO	earezzo@unite.it (adesione completata il 08/01/2016)	0,5

### Unit 4 - RANGONE Nicoletta

#### Personnel of the research unit

n°	Surname Name	Category	University/Research Institution	E-mail address	Months/person expected
1.	RANGONE	Professore	Libera Università degli	n.rangone@lumsa.it (adesione completata il	1,5

n°	Surname Name	Category	University/Research Institution	E-mail address	Months/pers on expected
	Nicoletta	Straordinario	Studi "Maria SS.Assunta" - LUMSA	10/01/2016)	
2.	CENTONI Marco	Professore Associato confermato	Libera Università degli Studi "Maria SS.Assunta" - LUMSA	m.centoni@lumsa.it (adesione completata il 10/01/2016)	0,5
3.	MARUOTTI Antonello	Professore Associato (L. 240/10)	Libera Università degli Studi "Maria SS.Assunta" - LUMSA	a.maruotti@lumsa.it (adesione completata il 10/01/2016)	0,8
4.	RIZZOLLI Matteo	Professore Associato (L. 240/10)	Libera Università degli Studi "Maria SS.Assunta" - LUMSA	mrizzolli@gmail.com (adesione completata il 10/01/2016)	0,8
5.	CARDARELLI Francesco	Professore Associato confermato	Università degli Studi di ROMA "Foro Italico"	cardarelli@tiscali.it (adesione completata il 11/01/2016)	1,0
6.	LAMBERTI Laura	Professore Associato (L. 240/10)	Seconda Università degli Studi di NAPOLI	laura.lamberti@unina2.it (adesione completata il 10/01/2016)	1,0

#### Unit 5 - CARLONI Enrico

##### Personnel of the research unit

n°	Surname Name	Category	University/Research Institution	E-mail address	Months/person expected
1.	CARLONI Enrico	Professore Associato confermato	Università degli Studi di PERUGIA	carloni@unipg.it (adesione completata il 04/01/2016)	2,0
2.	PONTI Benedetto	Ricercatore confermato	Università degli Studi di PERUGIA	benedetto.ponti@unipg.it (adesione completata il 08/01/2016)	1,5
3.	PIRAS Paola	Professore Ordinario	Università degli Studi di CAGLIARI	ppiras@unica.it (adesione completata il 11/01/2016)	1,0
4.	POLINORI Paolo	Professore Associato confermato	Università degli Studi di PERUGIA	polpa@unipg.it (adesione completata il 10/01/2016)	0,5
5.	DAVID Daniele	Dottorando	Università degli Studi di PERUGIA	daniele.david88@gmail.com (adesione completata il 07/01/2016)	1,0

#### Unit 6 - DI PORTO Fabiana

##### Personnel of the research unit

n°	Surname Name	Category	University/Research Institution	E-mail address	Months/pers on expected
1.	DI PORTO Fabiana	Professore Associato confermato	Università del SALENTO	fabiana.diporto@unisalento.it (adesione completata il 10/12/2015)	1,5
2.	DE GIORGI CEZZI Gabriella	Professore Ordinario	Università del SALENTO	gabrielladegiorgi@libero.it (adesione completata il 11/12/2015)	0,5

n°	Surname Name	Category	University/Research Institution	E-mail address	Months/pers on expected
3.	FACCHINETTI Gisella	Professore Ordinario	Università del SALENTO	gisella.facchinetti@unisalento.it (adesione completata il 26/12/2015)	0,3
4.	TUCCARI Francesco	Professore Associato confermato	Università del SALENTO	francesco.tuccari@unisalento.it (adesione completata il 22/12/2015)	0,5
5.	BONOMO Annamaria	Professore Associato (L. 240/10)	Università degli Studi di BARI ALDO MORO	annamaria.bonomo@uniba.it (adesione completata il 12/12/2015)	1,5

<b>6 - Major new contracts for staff specifically to recruit</b>					
n°	Associated or principal investigator	Number of contracts RTD expected	Number of research grants expected	Number of PhD expected	Predictable overall time commitment (months)
1.	ZENO ZENCOVICH Vincenzo	0	1	0	12
2.	AMMANNATI Laura	0	1	0	12
3.	GHEZZI Federico	1	0	0	9
4.	RANGONE Nicoletta	0	1	0	12
5.	CARLONI Enrico	0	1	0	12
6.	DI PORTO Fabiana	0	1	0	12
	<b>Total</b>	<b>1</b>	<b>5</b>	<b>0</b>	<b>69</b>

"I dati contenuti nella domanda di finanziamento sono trattati esclusivamente per lo svolgimento delle funzioni istituzionali del MIUR. Incaricato del trattamento è il CINECA- Dipartimento Servizi per il MIUR. La consultazione è altresì riservata agli atenei e agli enti di ricerca (ciascuno per le parti di propria competenza), al MIUR - D.G. per il Coordinamento e lo Sviluppo della Ricerca - Ufficio V, al CNGR e ai CdS. Il MIUR potrà anche procedere alla diffusione dei principali dati economici e scientifici relativi ai progetti finanziati".