



CETyS

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Annual report Management Report

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CETyS



Universidad de
San Andrés

1 Dear all,

We are pleased to write these words again, pondering over the events that took place at the CETyS in the face of an unusual and unforeseen year, which we share with you in this fifth edition of the center's annual. In spite of the difficulties caused by the pandemic, the CETyS has kept its three core lines of work: Education, research and extension.

In terms of education and skills training for politics, regulation and governance in the digital ecosystem, the 6th edition of the DITC was held, which continued the modules established and maintained its schedule in an online format. Additionally, the 4th edition of the Diploma in Internet Governance took place, which was redesigned to consider a blended virtual-on site arrangement during 2020-21, with attendees from eight countries of the region.

Regarding research projects, the first part of the GUIA project was completed, where the works started in 2019 were presented, which included twenty researchers of the region in

different aspects of AI governance, politics and ethics in the region. The GUIA project will continue in 2021, in alliance with the Latam Digital Center in Mexico. Moreover, the center participated in a research project on the regulation of digital intermediaries in the region as part of the Regional Public Goods of the IADB. The project on Data Literacy for Schools called up by the ANII (Uruguay), the Ceibal Foundation and the IDRC could start in the last term of the year, and high schools from Montevideo, Buenos Aires and Lima were added to the analysis. An outstanding work area in the center was related to a more thorough work on copyright and Internet topics, an activity carried out together with the MIPI of the University of San Andrés and the Center for Intellectual Property and Innovation.

As has been the case in the last years, in 2020 the Fintech area has been very active regarding its publications, with the Volumes III and IV of the book Fintech Law coming out, as well as its seminar.

In terms of publications, in 2020 the first issue of the Latin American Digital Society and Economy Journal was published. The CETyS and the Latam Digital Center, a member of the

together with CET.la; the journal is a unique space for regional researchers to publish their works.

When it comes to new spaces, the InDi Lab -Digital Infrastructure Laboratory- is a specific environment to address regulatory and policy-making aspects in this matter.

The level of activity has been so high that this space is not enough to explain the different activities, but none of this would have been possible without the permanent staff of the CETyS, with the executive management of Fernanda Martínez, as well as the commitment and contributions of Iván Kirschbaum and Delfina Ferracutti.

We wish you the best for 2021.



Carolina Aguerre



Pablo Palazzi

2 About us

CETyS is an academic and interdisciplinary space for research, education and dissemination on the policies and development of digital processes in the public sphere. This Latin America institution is based at the [University of San Andrés](#) (UdeSA) in Buenos Aires, Argentina.

In 2020, researchers, professionals and students from various disciplines worked together on

Two educational programs

DITC

Internet Law and Communications
Technology Program

DIGI

Diploma in Internet Governance

Five research areas



Digital Citizenship



Internet ecosystem



Fintech



Artificial Intelligence



**Digital Infrastructure
Laboratory**

TEAM:



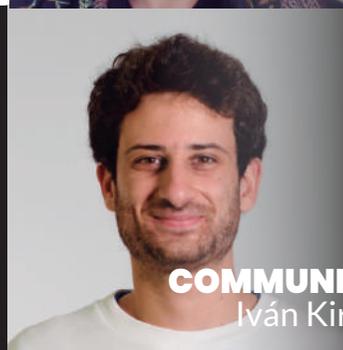
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- Santiago Gini
- Constanza Gómez Montt
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- Bruno Gorgone
- Juan Carlos Lara Gálvez
- Esteban Lescano
- Joao López
- Raúl Madrid
- Ana Victoria Martín del Campo
- Micaela Mantegna
- Carolina Martínez Elebi
- Santiago Mora
- Silvana Rivero
- Juliana Vargas Leal

Sixth edition of the Internet Law and Communications Technology Program (DITC)

Director: Pablo Palazzi



The sixth edition of [DITC](#) was held, which aims to train professionals from different disciplines in the most relevant and current legal and public policy aspects for companies, organizations and consultants operating in the Internet, digital technology and telecommunications industry.

This is a program that has updated its contents to take into account the challenges of a subject in constant change that has increasingly profound impacts in various areas of the economy, the State, and social and political life. During the course, the following topics were addressed: the regulation of convergent communications infrastructure, Internet politics and economy,

convergent communications, fintech, artificial intelligence, computer crimes, access to information and personal data protection, intellectual property and the Internet, information philosophy, and defense of competence in digital markets.

The faculty was comprised of Oscar González, Carolina Aguerre, Santiago Gini, Santiago Mora, Micaela Mantegna, Carla Delle Donne, Santiago Vallés, Pablo Palazzi, Paula Vargas, Karina Pedace, Tomás Balmaceda, Fernanda Vicens and visiting specialists. Likewise, a new Cybersecurity module was added this year by Pablo Palazzi and Marcela Pallero.

3 Educational programs

In 2020, two leading educational programs in the region were held by professors and national and international experts with prestigious professional backgrounds. Due to the COVID-19 crisis, the classes were organized in the distance modality by adapting their content and dynamics to the possibilities offered by the online course with the advice provided by experts from the University of San Andrés.

Fourth edition of the Diploma in Internet Governance (DiGI)



Director: Carolina Aguerre

Scientific Committee: Carolina Aguerre, Diego Canabarro and Judith Mariscal

In the 2020-2021 edition, **DiGI** delves into the challenges of Internet governance and its ecosystem by studying the processes that shape the technologies, institutions, policies and standards of the digital environment. This fourth edition is characterized by having a broad regional representation, with students from 10 Latin American countries, and by its systemic approach, which is based on examples and topics that are particularly critical for the region.

The first part of the program, from September 2020 to

June 2021, is carried out remotely with synchronous and asynchronous classes, a virtual campus and discussion forums. The program concludes with a face-to-face stage concentrated in the last week of July 2021, in Tepoztlán (Mexico), in order to integrate the concepts and problems acquired.

This edition is organized in conjunction with Centro Latam Digital and relies upon a faculty of 16 visiting professors and specialists from various organizations, such as the Internet Society, ICANN, LACNIC and regional and global universities.



Other news



Carolina Aguerre (co-director of CETyS) is selected by UNESCO to join the group of experts entrusted with the task of drafting a global recommendation on ethics and artificial intelligence.

4 Projects and publications

Diploma in Regulation in Digital Technologies (RTDi)

Coming soon

Likewise, we are working on the early launch of the third educational program of CETyS that will have its first edition in 2021, with a 100% online modality.

GulA Launch: Artificial Intelligence in Latin America and the Caribbean

The GulA project was created with the aim of strengthening a space where regional researchers can address discussions about the ethics, principles, norms and policies of artificial intelligence (AI) systems and the specific problems of Latin America and the Caribbean.

During 2020, 8 documents and 1 manual were published by 19 researchers from the region that contribute to these issues and to the development and adoption of AI systems. The research documents are available to the public on the official guia.ai website, in its Spanish or English version.



The project is supported by the fAIR LAC platform of the Inter-American Development Bank (IDB), and this first edition received a donation from Facebook.

Publication of the Latin American Journal of Digital Economy and Society (RLESD)

We have launched the first RLESD issue, which is an academic, online and open access journal to disseminate original research on digital policies and the impact of digitization in Latin America. This first issue includes articles on some of the digital policy problems exposed in Latin America by the current pandemic, such as the digital divide, the gender gap, digital skills, connectivity and the shared use of infrastructures.

The magazine is organized together with Centro Latam Digital, Cet.la, CIDE and the University of San Andrés.



Second edition of the Law and New Technologies Magazine

In February, the second issue of the Law and New Technologies Magazine, directed by Pablo Palazzi, was released. This magazine is the collective work of more than 16 specialists that cover everything from brand use on the Internet to digital signatures, through the international aspects of cybercrime, fintech aspects, online gender violence and the application of technology to the legal practice, among others.

In addition, the magazine publishes the transcript of the seminar "The right to image on the Internet and gender violence in digital environments", which is the first debate on these issues carried out in a university where real cases were discussed, including victims of these criminal acts and their lawyers, as well as prosecutors and regulators who intervened in the matter.

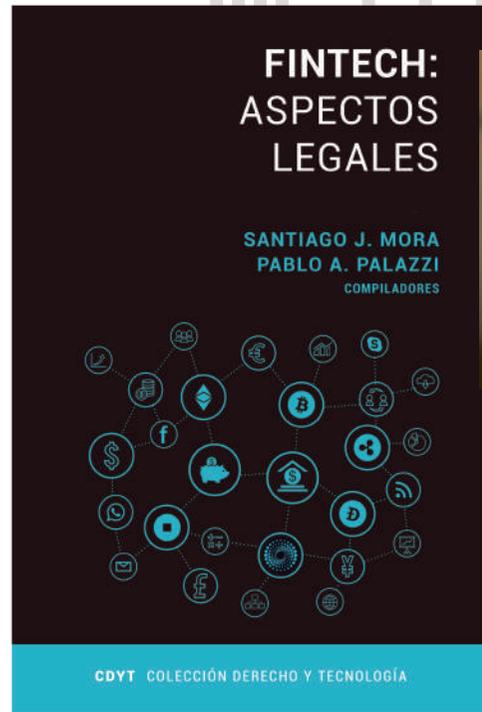
 See magazine >>

 See magazine >>

Launch of volumes III and IV of the book Fintech: Aspectos Legales [Fintech: Legal Aspects.]

In November, volumes III and IV of the first Fintech Law legal work with a Latin American scope were launched by its compilers Santiago Mora and Pablo Palazzi.

The book is a collective work including more than 40 authors, and the released volumes analyze the news of the last year both in regulatory aspects and in Fintech businesses (including changes brought about by the COVID-19 pandemic).



Data literacy in schools. Skills for an expanded digital citizenship.



With the aim of achieving a real and effective inclusion of young people in the world of the future, CETyS is undertaking a project of digital literacy and digital skills development in secondary schools in Buenos Aires, Lima and Montevideo.

This year, an exploratory survey was carried out in two groups of students in each city in order to detect their initial skills and thus begin virtual workshops in 2021. The workshops aim at developing technical, socio-emotional and cognitive and metacognitive skills so that secondary school students can suggest solutions to specific problems in their localities by means of the analysis, management and visualization of large amounts of data, thus furthering new forms of citizen participation.

The project is financed by the Education Sector Fund of the Ceibal Foundation.

+ See more >>

Copyright considerations in the Internet environment in Latin America

Together with the Master's Degree in Intellectual Property and Innovation from the University of San Andrés (UdeSA), we called for the presentation of short articles for a special publication that addresses the key issues of the challenges faced by intellectual property and copyright in the digital environment. This publication has the aim of capturing different conceptual, normative trajectories and academic and empirical positions, particularly in the exercise of copyright in relation to the advances of digital information and communication systems.

+ See more >>



Assessment of the potential impact of artificial intelligence in the Latin American judicial system

The project aims to raise awareness and improve decision-making by law enforcement officials and public policy makers regarding the use of artificial intelligence (AI).

In order to achieve this objective, an analysis and collaboration stage is implemented with the judicial systems of Argentina, Chile, Colombia, Mexico and Uruguay so as to provide a decision framework that helps law enforcement agencies to evaluate their preparation, needs and challenges in connection with the responsible adoption of AI-based technologies.

The project is funded by the [Tinker Foundation](#).

Regulatory frameworks to promote Digital Commerce in Latin America and the Caribbean

CETyS was selected by the Latin American Internet Association (ALAI) and the Inter-American Development Bank (IDB) to put together a document within the framework of the "Program for the Promotion of Digital Commerce in South America". The document assesses the similarities and differences in terms of provisions in Argentina, Chile and Mexico on the liability of intermediaries, intellectual property and digital content management in order to develop recommendations that enhance digital commerce in the region and favor the formation of a regional, digital market.

5 Other initiatives

Launch of the Digital Infrastructure Laboratory (InDi Lab) and its newsletter



The [InDi Lab](#) was launched, which is a space for the analysis, research and dissemination on the regulation of digital infrastructure and its public policies as a fundamental element for the development of connectivity services, added value, platforms and applications within the framework of the digital ecosystem and its governance.

Likewise, the InDi Lab releases its quarterly newsletter that includes analysis of relevant news on the matter, opinion articles, monitoring and current debates on regulation together with announcements of activities in this area.

 **Newsletter registration >>**



Issue No. 50 of the Machine Intelligence Lab (MILab) newsletter

In November, the weekly MILab newsletter reached its 50th issue. This newsletter sends weekly mailings on the latest trends and news about artificial intelligence and its impact on society.

The newsletter incorporates the CETyS [Artificial Intelligence area](#): a space for analysis, reflection and research on the ethical, social and regulatory impact of technologies related to artificial intelligence.

 **Newsletter registration >>**

Launch of the Diploma in Internet Governance (DiGI) blog



The DiGI student blog was launched with notes on the role of the state in Internet governance, abuses in the DNS, the relationship between algorithms and cultural consumption in a Netflix analysis, and the possibilities offered by blockchains as regards privacy, among other issues relevant to the matter.

 **DiGI blog >>**

6 Work documents

Artificial Intelligence and Health

The document "Artificial Intelligence and Health", written by Carolina Martínez Elebi, is an approach to the research, development and implementation of AI technologies in the field of health, its social impacts, the international regulatory framework, current local regulations and the ethical principles that must be taken into account in order to reduce risks. The research comprises an analysis with a focus on Argentina, but including examples from the region and the world.

This work is part of ongoing investigations in the Artificial Intelligence Research area of CETYS.

 [See document >>](#)

The thin and mobile frontier of the *corona apps*

Faced with the growing technology-based initiatives to control the advance of COVID-19, the co-director of CETyS, Carolina Aguerre, has drafted a research document for the Carolina Foundation on the different mobile applications being used for these purposes in Latin America.

 [See document >>](#)

7 Activities

Other news

Participation of Pablo Palazzi and Micaela Mantegna in the webinar of "Artificial Intelligence and Law" of the Department of Law of University of San Andrés.



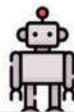
GuIA.ai **GuIA virtual meetings: artificial intelligence in Latin America and the Caribbean**

In July, the #EncuentrosGuIA cycle was held with the presentation of the documents prepared for the GuIA project. In the 3 webinars, conversations were conducted on "The law, ethics and human rights in the face of artificial intelligence", "Data and AI" and "Ethics, policies and AI applications in the region".

The webinar recordings can be found on the official [Guia.ai](https://www.guia.ai) website.

INTELIGENCIA ARTIFICIAL
DERECHO & ETICA

See conference >>



Fintech Law Argentina 2020 Annual Conference

In November, the fifth edition of the annual Fintech Law Argentina conference was held, organized together with the Law Department of the University of San Andrés. The conference addressed the main changes, discussions and regulations in the development of all verticals of the fintech field in a concentrated event.

The edition included the presentation of volumes III and IV of the "Fintech: Legal Aspects" book, compiled by Santiago Mora and Pablo Palazzi.

 See conference >>



The geopolitics of 5G

In September, the conference on "The geopolitics of 5G" was organized together with the Strategic Policies and Global Affairs Area (PEsAG) of the University of San Andrés. This conference covered various topics from the basic description of the operation and applications of 5G, as well as its challenges and productive potential, to the controversies that this new generation of technologies has raised among different countries.

The conference featured Argentine experts, company representatives and government officials, and guests from Germany, Mexico, Israel, the United States, and Brazil.



Workshop. Social media platforms and NGOs in Latin America: possibilities and limitations

In October, a workshop was organized for regional NGOs with the aim of addressing the challenges these organizations face to participate in the governance of the content circulating on the Internet. The workshop was conducted by Brenda Dvoskin (a Harvard Law School doctoral candidate), who presented the results of a previous research on the subject.

At the same time, some work was performed on ideas and possible solutions to improve policy development and to address the limitations faced by non-profit organizations when participating in content management.

Technology and research in Latin America: where are we and what do we need?

In October, the launch event of the Latin American Journal of Digital Economy and Society was held. The virtual event addressed essential issues for the construction of an academic space around digital policy in Latin America: priorities and the current scenario in terms of access to ICTs, the kind of tools we have and what the knowledge gaps are, and the possibility of dialogue spaces to ensure greater representation of actors and sectors on the agenda.

The event was organized together with Centro Latam Digital, Cet.la, CIDE and the University of San Andrés, including panelists from Argentina, Chile, Mexico and Peru.

Other news

Virtual class of the DITC program on fintech topics (digital document, digital and electronic signature) open to the public.

 **Watch the class >>**



InDi Lab: Axes and perspectives of the digital infrastructure ecosystem towards 2021

In December the Laboratory of Digital Infrastructure (InDi Lab) was launched with an event that addressed the government, industry and digital services agenda for 2021, as well as the regulatory challenges of mobile services along with industry specialists.

 [See event >>](#)

8 CETyS Community

