



## Seminar: Privacy and Confidentiality of Information in the Digital Age

September 4<sup>th</sup> and 5<sup>th</sup>, 2018  
Mexico City

*Preliminary Program*  
(March 21, 2018)



**Background:** The massive use of electronic devices, the internet and the generation and availability of digital data, enables the possibility of strengthen the generation of statistical and geographical official information. Nevertheless, it is necessary to put in place the appropriate legislation and regulation, as well as the technical procedures that allow the use of data bases for public purposes, ensuring privacy, confidentiality and security of information.

Therefore, it is convenient to review up to where we can make use of the data; evaluate the ethical and regulatory framework, the development of the laws and meet the technical methods that preserves the privacy and confidentiality. In a world where data and information flows increasingly, security of personal data is on risk. Both legislation and the data techniques, should ensure private and confidential information, seeking an appropriate balance between the efficiency to generate the necessary information for research, decision-making, both public and private, and the rights of individuals on their personal data.

**General objective:** Analyse the technical challenges of Big Data, and the fulfilment of legal obligations, mainly those related to privacy, confidentiality and protection of personal data, in order to generate official information.

**Specific objectives:** Get to know the best practices to safeguard the confidentiality of statistical information in order to generate geographic, environmental, economic, demographic and social information, in the digital era.

Get to know the rules and practices that are need to be taken, given the current data analytics to protect the confidentiality of the information and personal data in order to generate official information.

Review the legal and technical possibilities to access and exploit new data sources, in the possession of private depositaries of information in order to generate public interest information.

**Development:** The seminar will consist of keynote speeches, discussion sessions in thematic panels and roundtables in which, speakers from various sectors, will seek a wide interaction to expose, share and discuss proposals with the audience, about the topics that will be submitted.

**Participants:** The seminar is directed to officials and people from the private sector, interested in the analysis of statistical and geographical information, data scientists, researchers, policy-makers, graduate students and other stakeholders in the management of huge volumes of information from different study fields.

September 4<sup>th</sup>

8:30- 9:00 Registration

9:00 -9:15 Opening INEGI-INFOTEC

9:15-10:20 Keynote speech: The phenomenon of Big Data in the digital transformation

Present the functioning of modern digitalized economy, the risks and opportunities it poses to improve the official and public interest information, Addressing the risks and benefits of Big Data techniques, as initiating factors of security changes when generating information.

**Wonki Min**, Suny Korea University, Department of Technology and Society, (C)

Discussant: **Enrique Ordaz**, INEGI (C)

10:00-10:20 Q & A

10:20-12:00 Session 1. Limits on the gathering of data and information.

How can we protect the information that is produced against the modern data analytics?

**David Salgado**, NSO Spain (TBC)

**Robert Kirkpatrick**, Global Pulse (TBC)

**Armando Becerra**, "Vulnerability of personal data", INAI (TBC)

**Jean-Marc Van Gyseghem**, Research Centre on Information, Law and Society at the University of Namur, Belgium (TBC)

Discussant: (TBD)

11:40-12:00 Q & A

12:00-12:10 Coffee Break

12:10-13:50 Session 2. Big Data and personal data protection: the role of consent, liability of information and principles applicable to this right.

Review the legal implications on the protection of personal data that must be comply, in the exploitation of huge clusters of information.

**José Luis Piñar Mañas**, General Council of the Spanish Advocates (GCSA) (TBC)

**Felix Ritchie**, UWE, Bristol UK, "The use, quality and accessibility of government data, and its policy application" (TBC)

**Nelson Remolina Angarita**, Study Group on the internet, E-Commerce, Telecommunications and Informatics, GECTI of Units (TBC)

**Jane Hamilton**, Digital Policy Branch, Innovation, Science & Economic Development, Canada, "Policy development related to building trust and confidence in the digital economy" (TBC)

Discussant: **Evelyn Téllez Carvajal**, INFOTEC (C)

13:50-14:10 Q & A

14:10-15:30 Lunch

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**15:30-16:40 Session 3. Security, privacy and confidentiality of official information.**

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This session will review the methods or practices to improve the security of the informants. What do the national statistical offices do? anonymized, added, "encrypt" (blockchain), another?

Security for different statistical domains.

**Sarah Giessing**, DESTATIS, Germany, "General overview of methods and techniques of disclosure avoidance: advantages and disadvantages", (TBC)

**Peter Wright**, Statistics Canada, "Assurance of the confidentiality, privacy and security within the Quality Assurance Framework", (TBC)

**Aref Dajani**, "Techniques to prevent disclosure", US Census Bureau, Centre for Disclosure Avoidance Research, USA. (C)

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**16:40-16:50 Coffee Break**

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**16:50-18:30 Session 3. Security, privacy and confidentiality of official information. (Continuation)**

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**Tanvi Desai**, Essex University, "Overview of the security and confidentiality landscape in the UK, (C)

**Peter-Paul de Wolf**, "Strategies of the disclosure control in particular statistical domains at Centre of Excellence on Statistical Disclosure Control", CBS, Netherlands (TBC)

**Natalia Volkow**, "INEGI's Micro data lab, disclosure control" (C)

**PD** Conference of European Statisticians, "Generic law on official statistics: Emerging issues"

Discussant: **Gerardo Leyva**, INEGI (C)

**17:50-18:30** Q & A

September 5<sup>th</sup>

8:30- 9:00 Registration

**9:00-11:10 Session 4. Legal aspects of Big Data: contracts, privacy notices, consent of the information holders and intellectual property rights.**

Draw attention to the legal aspects related to the use of Big Data.

**Miguel Recio Gayo**, Consultant of European law on protection of personal data (TBC)

**María Solange Maqueo Ramírez**, CIDE (C)

**Lina Ornelas Núñez**, Google (TBC)

**10:00-10:10 Coffee Break**

**Olivia Andrea Mendoza Enríquez**, INFOTEC (C)

**Oscar Javier Solorio**, University of Colima (TBC)

Discussant: (TBD)

**10:50-11:10 Q & A**

**11:10-13:40 Session 5. Access and use of new data sources in order to generate official information.**

From the footprint that leave today's human activities, information is produced, sometimes in huge volumes that are collected through remote sensing systems, analysis of data traffic in fixed and mobile networks, the internet of things, and others, using artificial intelligence techniques, which allow generating relevant information to private and public entities.

How to ensure access to these data under strict confidentiality?

**Miguel Luengo-Oroz**, Global Pulse (TBC)

**Mallory Soldner**, UPS (TBC)

**Juan Murillo Arias**, BBVA Innovation Center (TBC)

**12:10-12:20 Coffee Break**

**Albrecht Wirthmann**, EUROSTAT (TBC)

**María Cristina Capelo**, Facebook (TBC)

**Mansour Raad**, ESRI, (TBC)

Discussant: (TBD)

**13:20-13:40 Q & A**

**13:40-14:00 Conclusions and closing**

**14:00-15:20 Lunch**

(TBD) To be defined

(TBC) To be confirmed

(C) Confirmed