

Practical Methods for Introducing Data Protection Procedures into Non-Government Data Archives

Workshop Program

August 24, 2010-- Taipei, Taiwan

Location: 2F, Lecture Hall, Institute of Earth Sciences, Academia Sinica

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9:00-9:10	Welcome- Introduction
9:10-10:00	1. An Overview of Statistical Disclosure Control (SDC) <ul style="list-style-type: none">· Examples of privacy breaches and the development of SDC· The legal setting in the United States· Funding agencies, universities, and data archives· Building a coherent archive policy for data confidentiality protection
10:00-10:45	2. Data Dissemination Practices <ul style="list-style-type: none">· Choosing appropriate dissemination methods based on disclosure risk· Simple methods for reducing risks· An introduction to “sophisticated” disclosure control practices· The failure of SDC benchmarks and the development of differential privacy
10:45-11:00	Break
11:00-12:00	3. Alternatives for Confidential Data <ul style="list-style-type: none">· On-line analysis with no micro data release· Data licensing· Virtual data enclaves· Physical data enclaves· Synthetic data
12:00-13:30	Lunch
13:30-14:30	4. Alternatives for Confidential Data <ul style="list-style-type: none">· Initial confidentiality triage· Analytic approaches to data disclosure risk assessment· Software Tools: IVEWare and sdcMicro· Guidelines and training for data personnel
14:30-15:15	5. Technical Aspects of Handling Confidential Data <ul style="list-style-type: none">· Automating disclosure control checks· Evaluating the impact of SDC measures on data utility· Building a secure data processing environment· Innovations in security through cloud computing
15:15-15:30	Closing