ETHICS IN DATA SHARING
A MODEL FOR BEST PRACTICE

DATA SHARING CURRENT PRACTICE

- SURFnet shares data with researchers on a regular basis
- Mostly aggregated data (e.g., flows), but occasionally also full traces
- Ethical concerns
  - Personally identifying information? (privacy of users and institutions)
  - Opt-out right?
- Current practice addresses these concerns by sharing only based on personal relationship, i.e. forming a network of TRUSTED RESEARCHERS ONLY

PROPOSED FRAMEWORK

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DATA LIFECYCLE

RESEARCH DEFINITION
RESEARCH DESIGN
COLLECTION
STORAGE
ANALYSIS
VERIFIABILITY
DISSEMINATION
CURATION

 TPB Blockade Effectiveness
Design Design and implementation of tools and experiments
Values: accountability, objectivity, fairness

Data Collection Measurements
Values: Truth, safety, objectivity, beneficence, transparency of tool, however not for the user

Data Storage Encrypted local disk
Values: Privacy, reputation, truth, accountability

Data Analysis Geo Location full data; IP to AS mapping through a third party service, aggregation and statistical analysis
Values: Objectivity, truth, accountability

Data Verifiability Publications, outcome in a technical report (public after review by lawyers)
Values: Truth, accountability

Dissemination Publications, outcome in a technical report (public after review by lawyers)
Values: Truth, accountability

Data Curation Stored offline; shared only aggregated data.
Values: accountability
privacy, truth

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