

A Five Year View of Internet Related Data Collection

Towards Data-Driven Policy Making for the Future

9th Workshop on Internet Economics (WIE 2018)
Macroscopic Measurements of Ecosystem

James.Miller@FCC.Gov
202-418-7351
Senior Attorney Advisor EMCD/OET/FCC

JamesMillerEsquire@gmail.com
@japanLawProf
@yositune

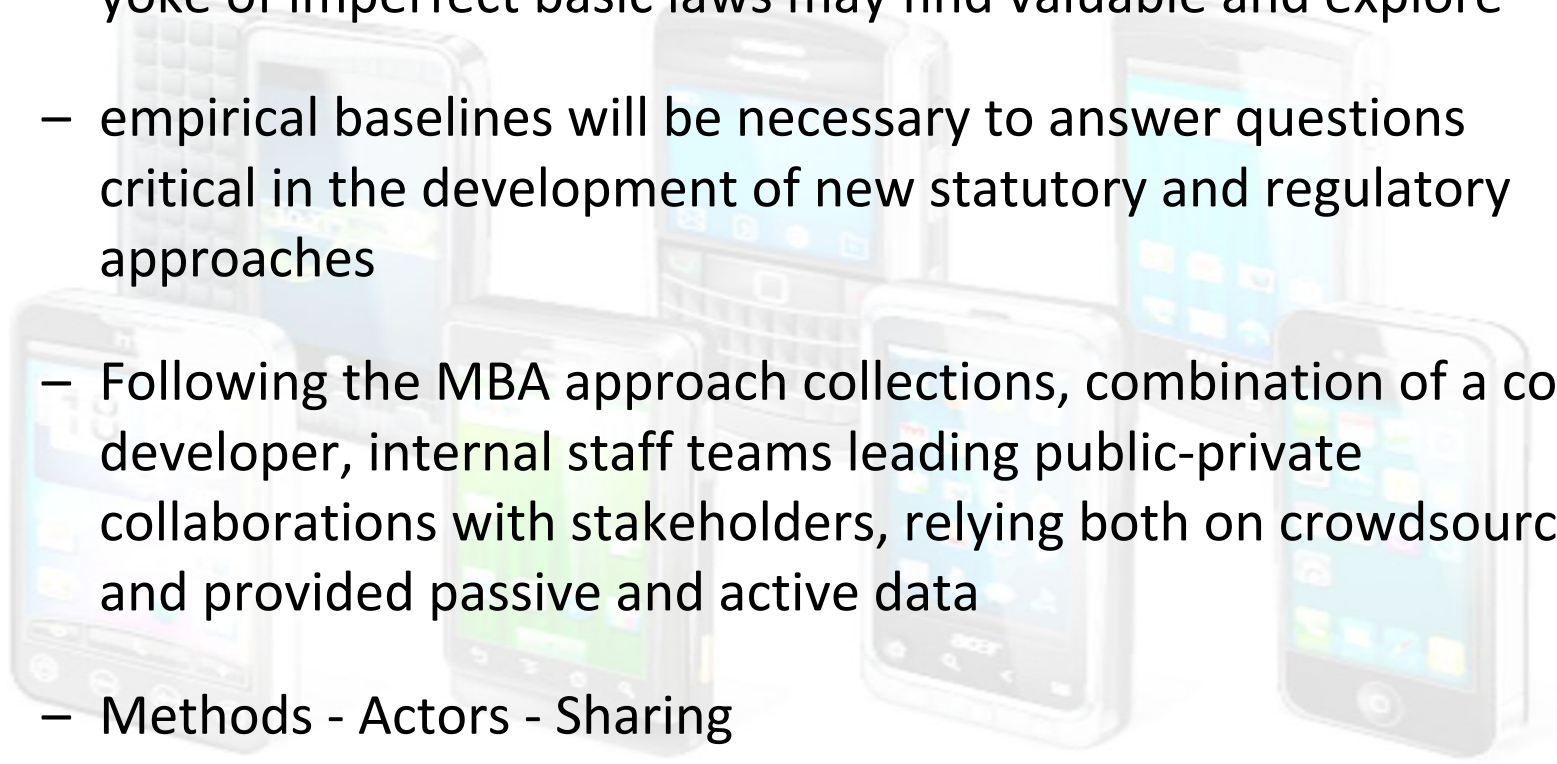
Disclaimer

The opinions expressed are those of the author and do not necessarily represent the views of the Federal Communications Commission or the United States Government; The Maureen and Mike Mansfield Foundation; or any Japanese Ministry or the Government of Japan.

本人の見解によるものであり、アメリカ合衆国その他の代弁ではないことをご承知下さい

- **Likelihood of new statutory law to govern evolving problems continues to rise**

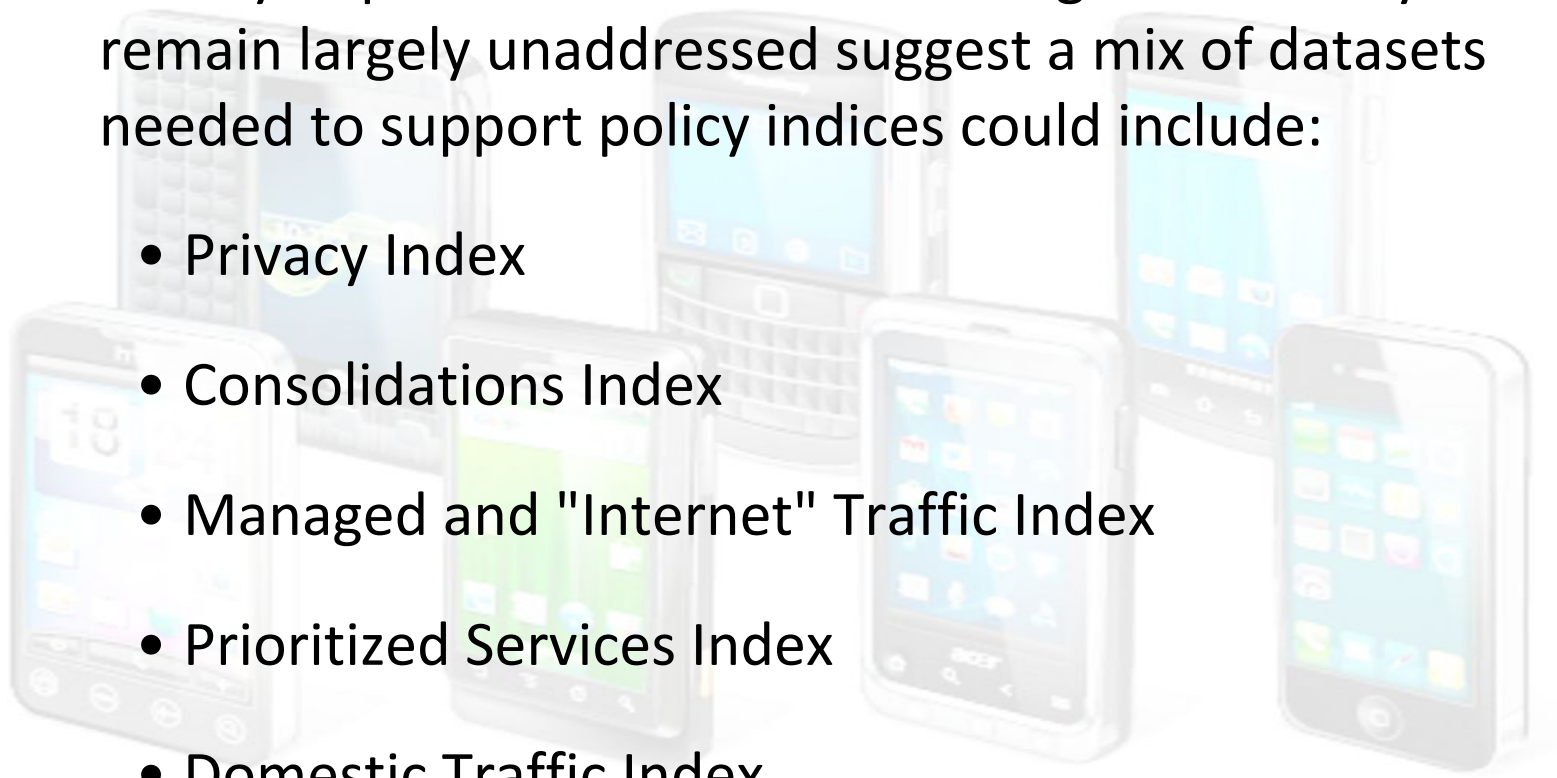
- measurement questions may and should evolve as legislators craft new statutory law and regulators struggling under the yoke of imperfect basic laws may find valuable and explore
- empirical baselines will be necessary to answer questions critical in the development of new statutory and regulatory approaches
- Following the MBA approach collections, combination of a core developer, internal staff teams leading public-private collaborations with stakeholders, relying both on crowdsourcing and provided passive and active data
- Methods - Actors - Sharing



- **Goal to publicly share robust observational datasets to support policy analysis, conclusions and proposals**

- variety of problems in the broader digital economy that remain largely unaddressed suggest a mix of datasets needed to support policy indices could include:

- Privacy Index
- Consolidations Index
- Managed and "Internet" Traffic Index
- Prioritized Services Index
- Domestic Traffic Index



- **Privacy Index**

- a mix of text corpus analysis of statements by digital economy actors that might be processed in machine readable and webscraped form to produce an index of weightings of various actors



- **Consolidations Index**

- a view of centralization and consolidations of various technical infrastructure including virtual and physical network assets (akin to the DHS NCS reports of past), DNS Cloud and other service infrastructure redundancy, collocation concentrations geographically



- **Managed and "Internet" Traffic Index**

- describing the variety and volumes of traffic carried over managed, hybrid, or traditionally globally accessible routed paths;



- **Prioritized Services Index**

- addressing the varieties and volumes of prioritized services on networks;



- **Domestic Traffic Index**

- providing a view of service breakdowns of data, search and other application layer features by source, path and other features



ご清聴ありがとうございました！

