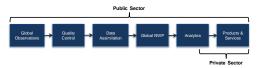
Environmental Data Paradigm Foundational Weather Data that Drives the Enterprise

Neil Jacobs

neil.jacobs@panasonic.aero

Value chain of the Weather Enterprise (WE)

Fair Weather Report (2003) defines the WE as:



Public Sector: Creates the output

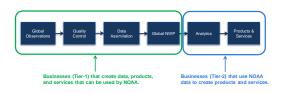
Private Sector: Repackages (aka. "value-add") this output into consumer products and services

Value chain of the Weather Enterprise (WE)

However, 15 years later...



Value chain of the Weather Enterprise (WE)

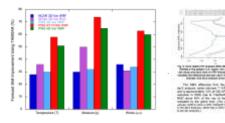




UAV/UAS TAMDAR Edge

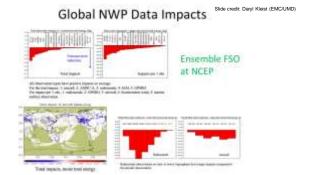


NOAA / FAA 4-Year TAMDAR Study Results



Morrogon, V. H., S. G. Berjorns, D. D. James, T. W. Schlater, T. L. Schle, Z. Diele, 2010 Evolution of Registed Assent Claims (Standard Hospital Assent Schler-Kenner United TAMON: Wise Forecasting 25, 427-545.

Berjorns, S. G., D. A. Seminer, W. R. Morrogon, S. Samer, B. E. Schwartz, T. W. Schlater, 2010 Relative Disor-Regis Forecast impact ton Arcadi, Politic, Radiosensis, VO. (PSPW, METRIC, and Mesonet Claims vision for the Proceedings of the P



History of NOAA TAMDAR data contracts

2005-2009: TAMDAR data provided for free* to NOAA/NWS for impact studies and evaluation
2009-2012: Funded contract to supply TAMDAR data through the NOAAAMDAR data program
2013-2014: No contract (data lapse) — NOAA budget cuts, sequestration, CR, etc.
2015-Present: Funded contract to supply TAMDAR data through the National Mesonet Program

How did we arrive at our pricing model?
Why impose data redistribution restrictions?





Value chain of the Weather Enterprise (WE)

"Free and open" sounds great, but ..

If Tier-2 businesses have "free" access to widgets sold to NOAA by Tier-1 businesses, this eliminates the market opportunity for Tier-1 businesses to sell those same widgets to Tier-2 businesses.

Tier-1 businesses will simply build that lost revenue into the price NOAA pays.

Result: Taxpayers get less data for the same \$, or have to pay more \$ for the same data.

Essentially, "free and open" (depending on widget source) has the potential to stifle WE economic growth.

To create a win-win public-private partnership sustainable business relationship, these unintended consequences must be considered.



Thank You