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Emerging Industrial Patterns in Washington's Economy: A Structural Change Analysis

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Introduction

WA IO Model

- 9th estimates of input-output model for Washington State.
- IO model years 1963, 1967, 1972, 1982,1987, 2007, 2012
- Each of the model years correspond to Economic Census years

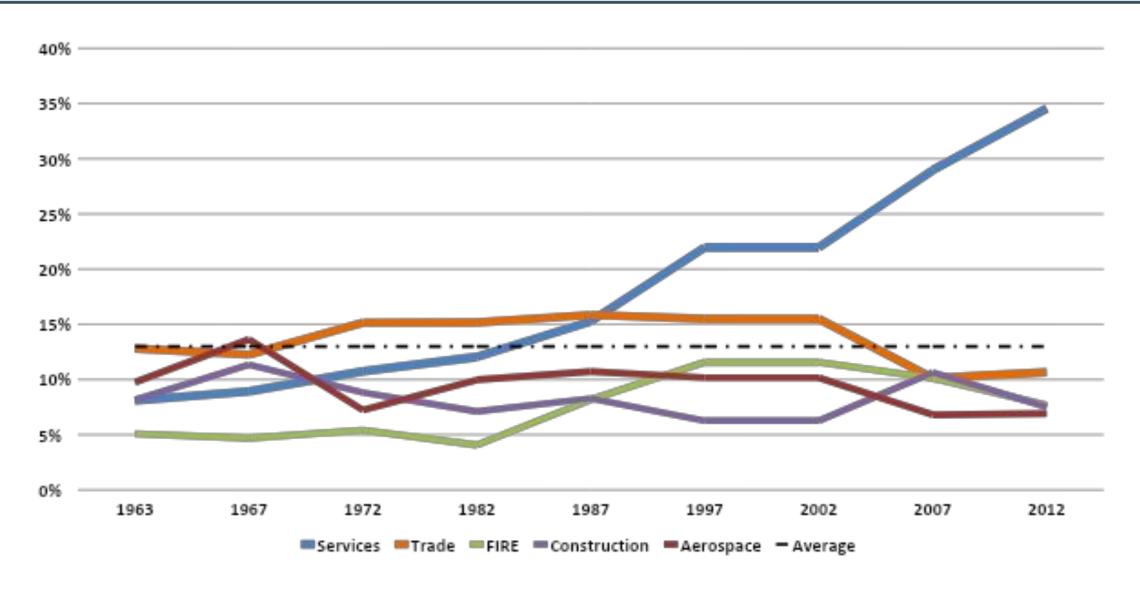
Table 1. 2012 Washington State Aggregated IO Sectoring Plan

Industry	NAICS Code
Agriculture	111, 112
Forestry & Fishing	113 (includes state forests, etc), 114
Mining	21
Food Products	311, 312
Textiles & Apparel	313, 314, 315
Lumber & Wood Products	321
Pulp & Paper products	322
Printing & publishing	323, 5111
Chemicals	325
Petroleum	324
Stone, clay & glass	327
Primary metals	331
Fabricated Metals	332
Industrial, Electrical & Instruments	333, 334, 335, 3391
Aerospace	3364
Ship & Boat Building	3366 (includes federal/PSNS)
Other Transport eq.	3361, 3362, 3363, 3365, 3369
Other Manufacturing	316, 326, 337, 3399
Construction	236-238
Transportation services	481, 482, 483 (Includes Ferry), 484, 485, 486, 487, 488, 491, 492 (includes transit), 493
Utilities	2211 (includes public, BPA, etc.), 2212 (includes public), 2213 (includes public)
Communications	517
Trade	423-425, 44-45, 722
FIRE	521, 522, 523, 524, 525, 53
Services	115, 51 (excludes 5111, 517), 54, 55, 56, 61, 62, 71, 721, 81

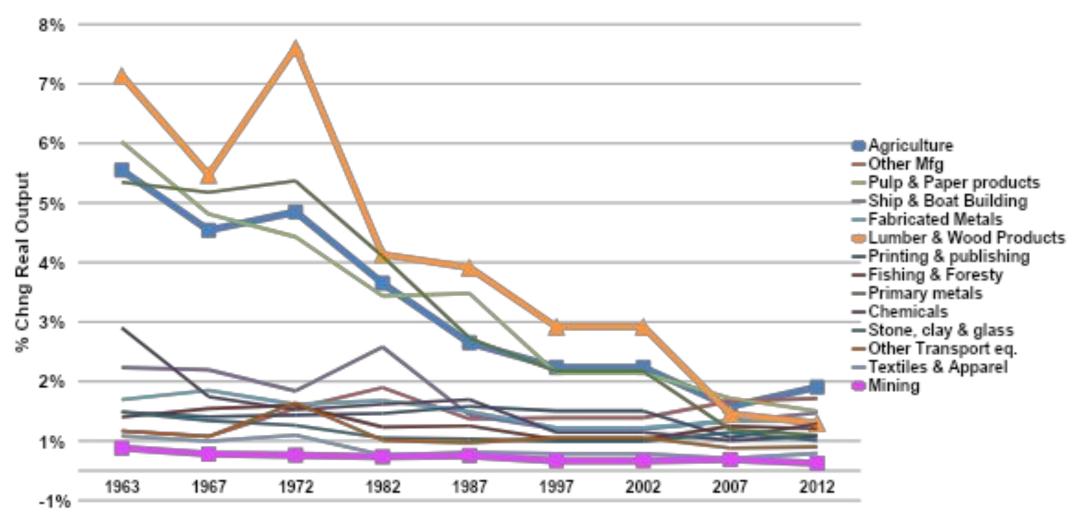
Analyses of Changes in Washington's Economic Structure

- Changes in real output
- •Changes in interindustry activity (business to business sales)
- Changes in real final demand

Top Five Expanding Industries, % Share Total Real Output, 2012\$

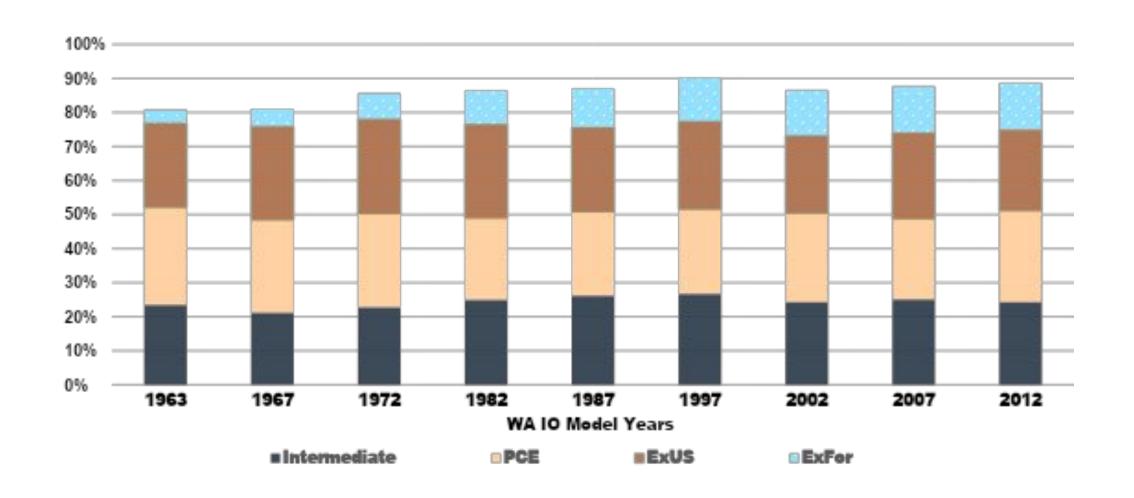


Slow Growth/Declining? Industries, % Share Total Real Output, 2012\$

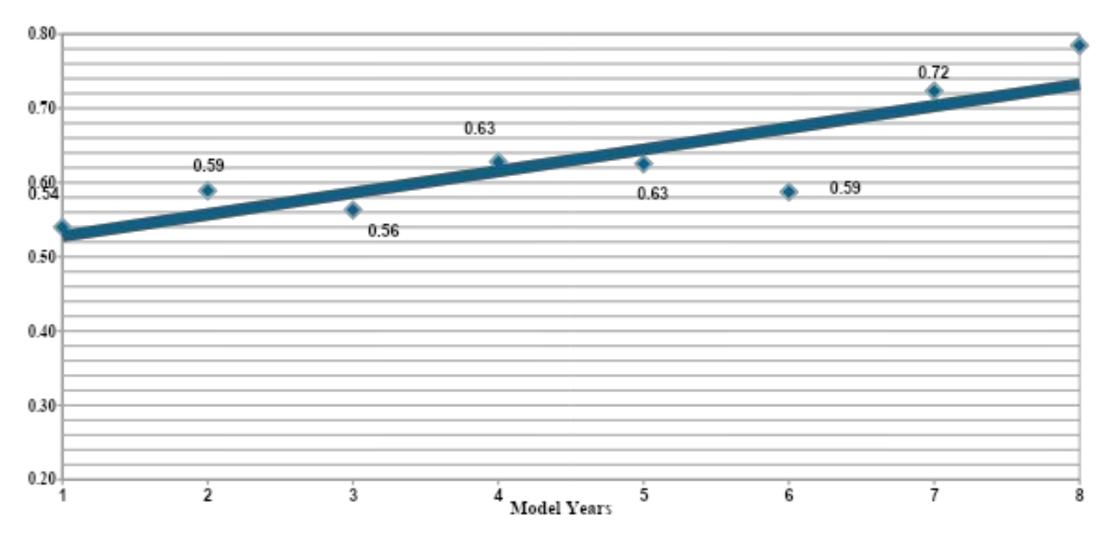


WA IO Model Year

% Distribution of Total Real Output to Final Demand, 1963-2012 (in 2012 \$)



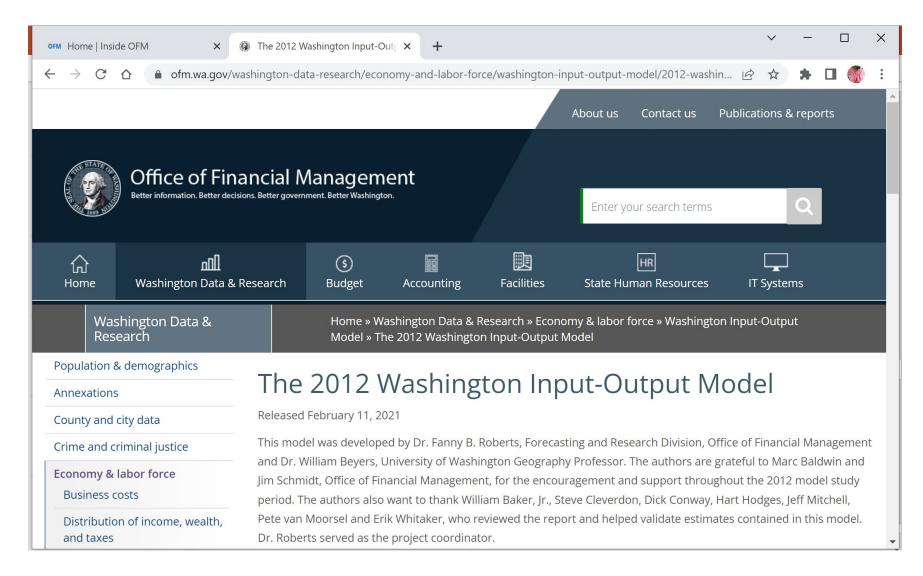
Correlations of 2012 Technology Matrix with Previous Model Years



Concluding Remarks and Future Studies

- An interesting finding of this analysis is the mitigation of concerns about Washington State's economy and its reliance on only a few major sectors of the economy, namely, the aerospace and military sectors. The data presented here suggests that the leading contributor to Washington State's economic real output now lies in the services sector.
- While the graph of technology matrix correlations on the previous slide suggests a stable internal economic structure for the state, there is still some further analysis that is being done further confirm this finding.

Washington IO Model on Office of Financial Management Website



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