

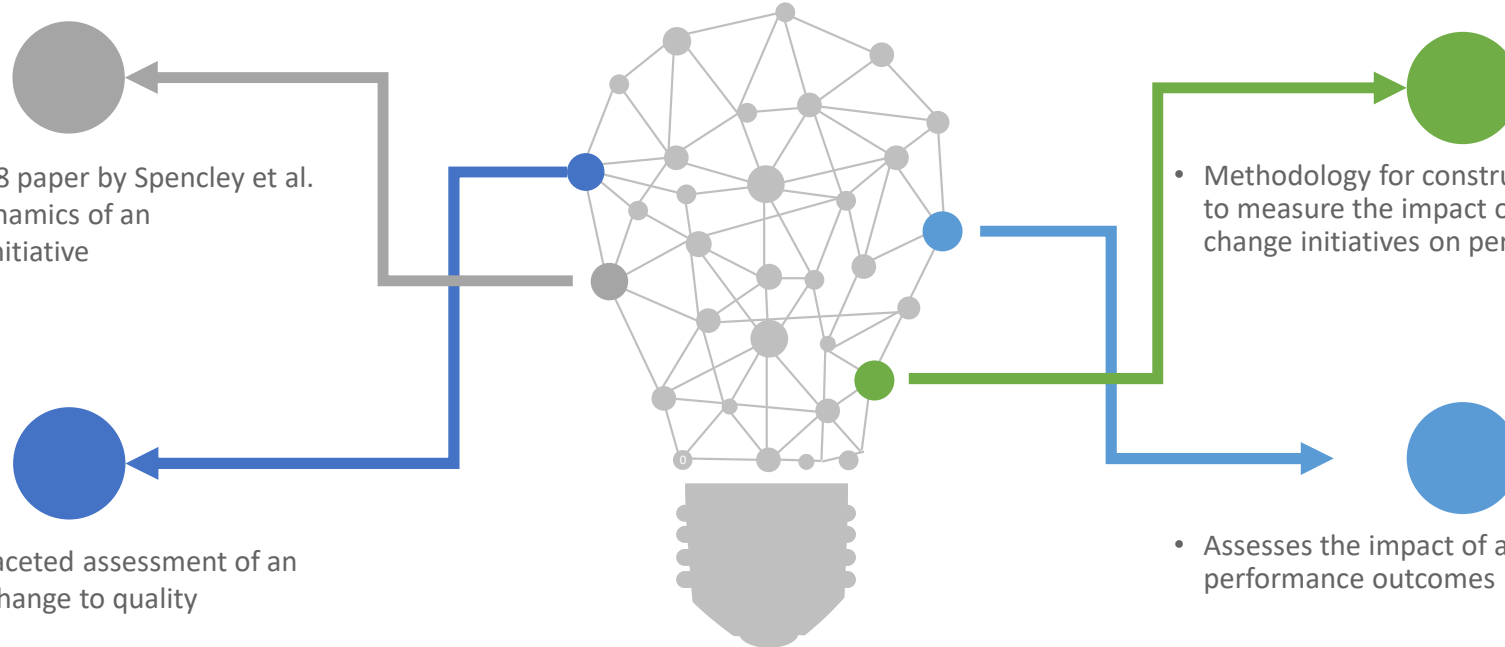
ASSESSING IMPACT OF ORGANIZATIONAL CHANGE FOR A SYSTEMS APPROACH TO QUALITY

Elizabeth Gordon, Keila Rawlinson, Dean Reed

SYSTEMS APPROACH TO QUALITY: A Multi-Step Study

ASSESSING IMPACT OF ORGANIZATIONAL CHANGE FOR A SYSTEMS APPROACH TO QUALITY by Gordon et al.

THE IMPACT OF IMPLEMENTING A SYSTEM APPROACH TO QUALITY: A GENERAL CONTRACTOR CASE STUDY by Gordon et al.



- Builds from 2018 paper by Spencley et al.
- Assesses the dynamics of an organizational initiative

- Provides multifaceted assessment of an organization's change to quality

- Methodology for construction practitioners to measure the impact of organization change initiatives on performance

- Assesses the impact of an SAQ on performance outcomes

AGENDA

- Purpose
- Capability-Building
- Assessing Cultural Change
- Conclusion

PURPOSE: Why pursue this study?

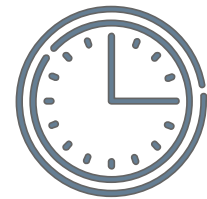
Develop a methodology to assess the adoption of the Systems Approach to Quality (SAQ) from 2013 - 2020



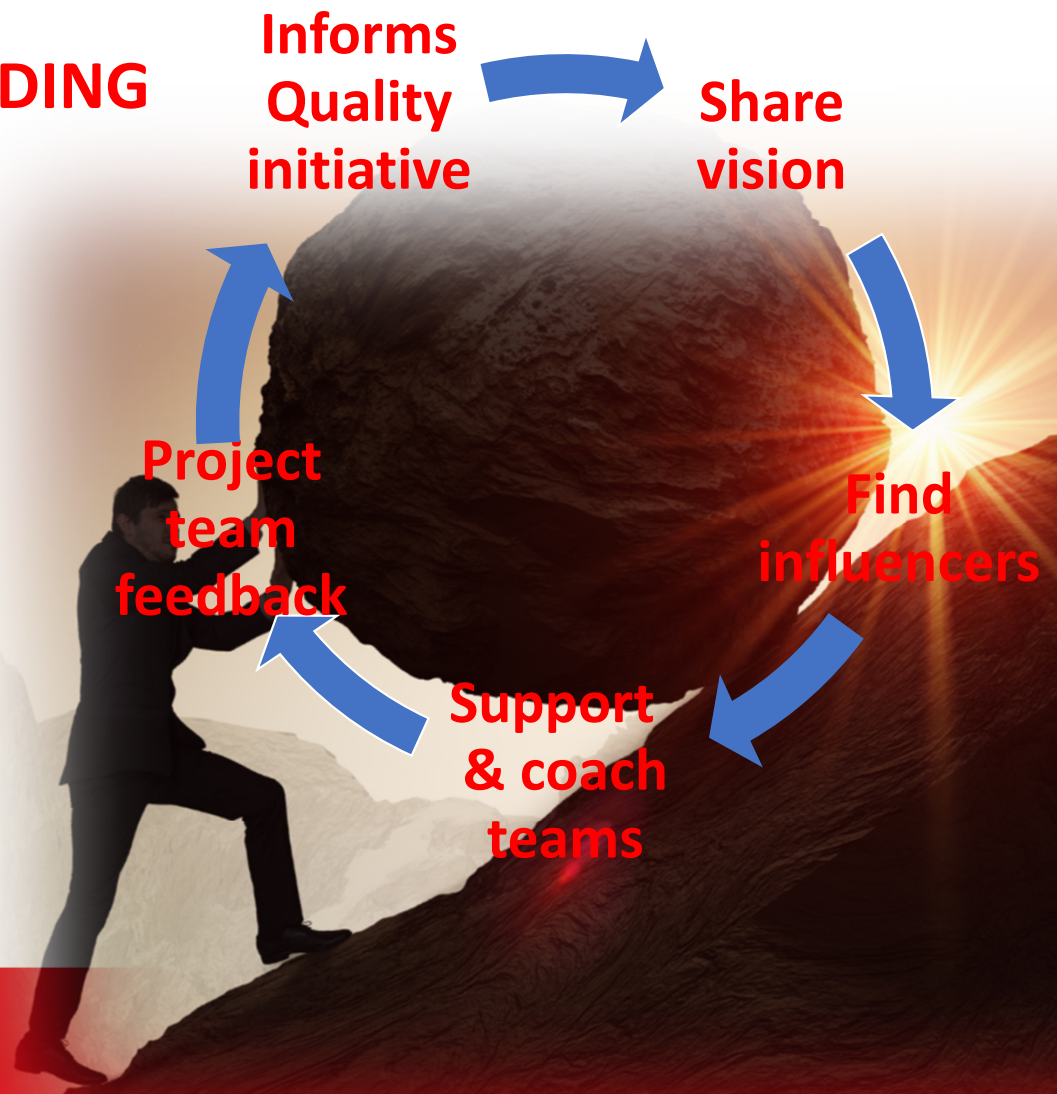
Share what we learned with our organization measuring organizational change



Understand how to improve upon our current organizational change management process



CAPABILITY-BUILDING



Slide 5

EG8

<https://www.google.com/url?sa=i&url=https%3A%2F%2Fwww.vectorstock.com%2Froyalty-free-vectors%2Fpush-Elizabeth-Gordon%2F>
Elizabeth Gordon, 6/27/2021

ASSESSING CULTURAL CHANGE: Qualitative feedback & Quantitative data

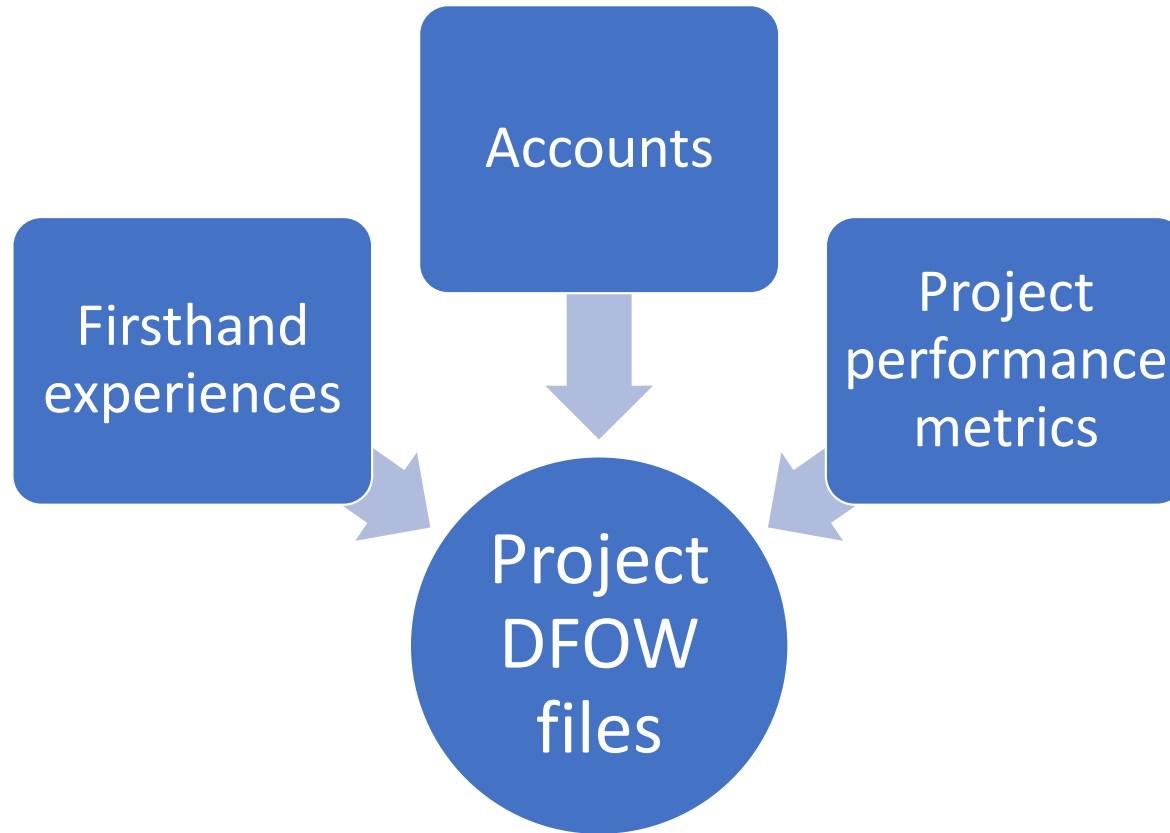


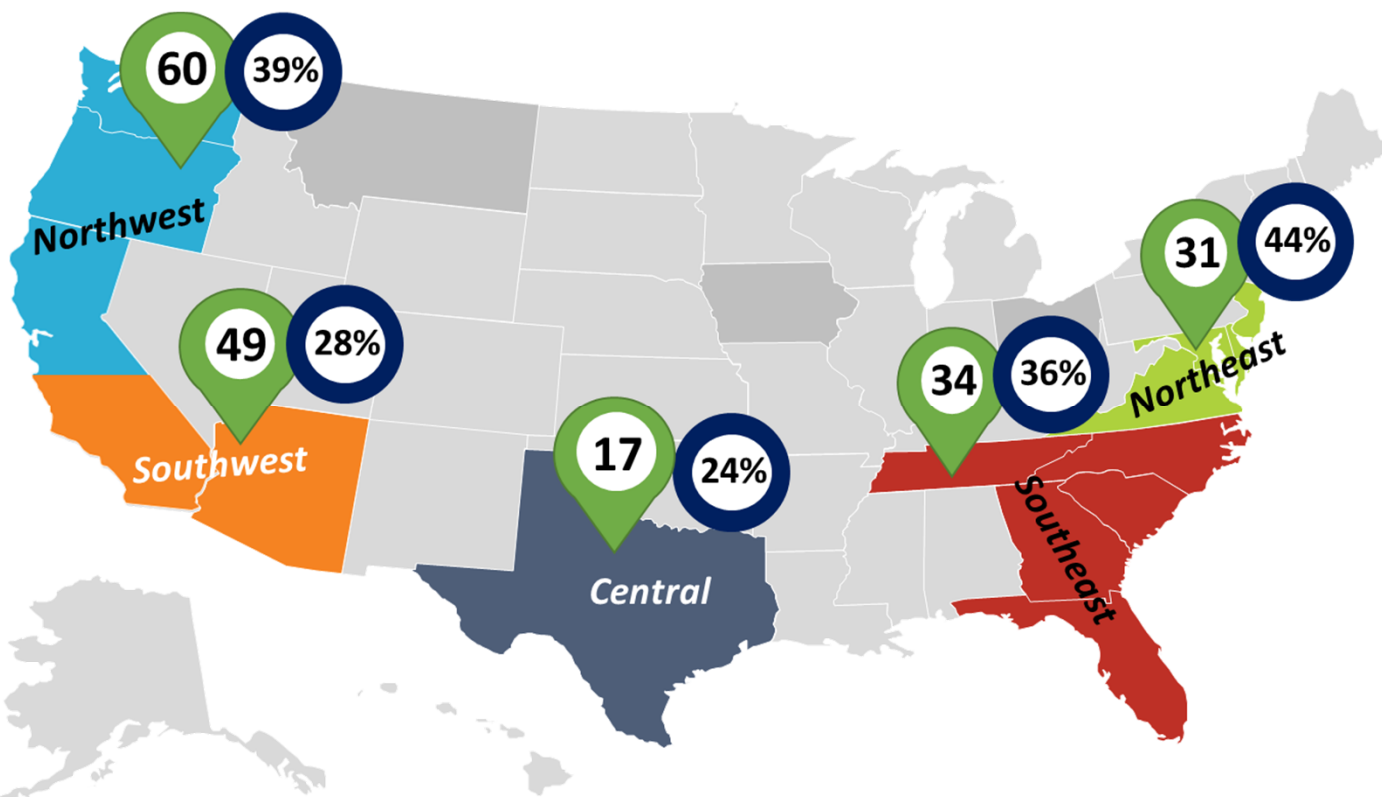
TABLE 1: Projects with and Quantity of DFOW Files by Year the Project Mobilized


Year Project Mobilized	Count of Projects with DFOW Files	DFOW Project Revenues as Percent of Annual Sales	Count of DFOW Files	DFOW Files as a Percent of DFOW Files Total
2016	3	5%	134	3%
2017	17	29%	392	9%
2018	37	31%	1081	26%
2019	66	42%	1686	41%
2020	67	55%	861	21%
5 Year Total	190	34%	4154	100%


TABLE 2: Projects with DFOW Files Sorted by Core Markets

Organization's Core Market Category	Count of Projects with DFOW Files	DFOW Project Revenues as Percent of Core Market Sales
Advanced Technology	34	33%
Commerical	42	41%
Healthcare	37	23%
Higher Education	13	35%
Life Sciences	44	42%
Other	20	24%

TABLE 3: Projects with DFOW Files Sorted by Regions



 **Count of Projects with DFOW Files**

 **DFOW Project revenues as Percentage of Regional Sales**

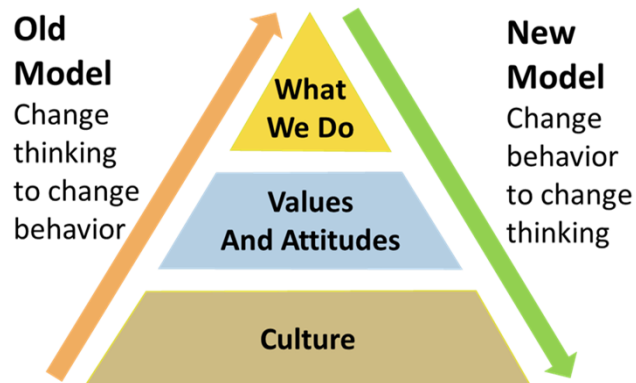
Organization's Geographical Region	Count of Projects with DFOW Files	DFOW Project Revenues as Percent of Regional Sales
Central	17	24%
Northeast	31	44%
Northwest	60	39%
Southeast	49	36%
Southwest	34	28%
5 Year Total	190	34%

CONCLUSIONS: New Insights

There could be other quantitative data sources that could be minded to inform the evaluation of SAQ adoption



Organizational change efforts to date reflect John Shock's description of How Culture Changes.



Change in the operational level, created new project cultures regardless of project contract type and delivery method



Intitutions, Questions & Further Study

Continue to Study Rogers Diffusion of Innovation Theory, & understand the social system & change agents that influenced change



Continue to understand the creation, transformation and transfer of DFOW & MAC to inform SAQ maturity models



Refine how we collect quantitative and qualitative feedback to better assess SAQ adoption and integration.



THANK YOU!

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