Toward a better comprehension of Lean metrics for research and product development management - DTU Orbit (14/12/2018)

Toward a better comprehension of Lean metrics for research and product development management
This paper presents a compilation and empirical survey-based evaluation of the metrics most commonly used by program managers during product development management. This work is part of a bigger project of MIT, PMI and INCOSE. Three methodological procedures were applied: systematic literature review, focus-group discussions, and survey. The survey results indicate the metrics considered to be the most and least useful for managing lean engineering programs, and reveals a shift of interest towards qualitative metrics, especially the ones that address the achievement of stakeholder values, and the absence of useful metrics regarding the lean principles People and Pull.

General information
State: Published
Organisations: Department of Management Engineering, Production and Service Management, Engineering Systems Group, Massachusetts Institute of Technology
Contributors: da Costa, J. M. H., Oehmen, J., Rebentisch, E., Nightingale, D.
Pages: 370–383
Publication date: 2014
Peer-reviewed: Yes

Publication information
Journal: R & D Management
Volume: 44
Issue number: 4
ISSN (Print): 0033-6807
Ratings:
BFI (2018): BFI-level 2
Web of Science (2018): Indexed yes
BFI (2017): BFI-level 1
Scopus rating (2017): CiteScore 2.27 SJR 0.822 SNIP 1.234
Web of Science (2017): Impact factor 1.857
Web of Science (2017): Indexed yes
BFI (2016): BFI-level 1
Scopus rating (2016): CiteScore 2.81 SJR 1.364 SNIP 1.735
Web of Science (2016): Impact factor 2.444
BFI (2015): BFI-level 1
Scopus rating (2015): CiteScore 2.15 SJR 0.929 SNIP 1.125
Web of Science (2015): Impact factor 1.19
BFI (2014): BFI-level 1
Scopus rating (2014): CiteScore 1.98 SJR 0.745 SNIP 1.252
Web of Science (2014): Impact factor 0.848
Web of Science (2014): Indexed yes
BFI (2013): BFI-level 1
Scopus rating (2013): CiteScore 3.17 SJR 1.48 SNIP 1.344
Web of Science (2013): Impact factor 1.266
ISI indexed (2013): ISI indexed yes
BFI (2012): BFI-level 1
Scopus rating (2012): CiteScore 3.68 SJR 1.717 SNIP 2.155
Web of Science (2012): Impact factor 1.58
ISI indexed (2012): ISI indexed yes
BFI (2011): BFI-level 1
Scopus rating (2011): CiteScore 3.63 SJR 2.086 SNIP 2.348
Web of Science (2011): Impact factor 2.507
ISI indexed (2011): ISI indexed yes
BFI (2010): BFI-level 1
Scopus rating (2010): SJR 1.153 SNIP 1.664
Web of Science (2010): Impact factor 1.58
BFI (2009): BFI-level 1
Scopus rating (2009): SJR 1.584 SNIP 1.655
BFI (2008): BFI-level 1
Scopus rating (2008): SJR 1.204 SNIP 1.504
Scopus rating (2007): SJR 1.313 SNIP 1.378
Scopus rating (2006): SJR 0.708 SNIP 0.944
Scopus rating (2005): SJR 0.737 SNIP 1.011
Scopus rating (2004): SJR 0.584 SNIP 1.102
Scopus rating (2003): SJR 0.448 SNIP 0.868
Scopus rating (2002): SJR 0.787 SNIP 1.369
Scopus rating (2001): SJR 0.645 SNIP 1.266
Scopus rating (2000): SJR 0.506 SNIP 0.891
Scopus rating (1999): SJR 0.549 SNIP 0.985
Original language: English
DOIs:
10.1111/radm.12074
Source: PublicationPreSubmission
Source-ID: 91800692
Research output: Research - peer-review › Journal article – Annual report year: 2014