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The concept of smart specialization has attracted great interest and has been adopted widely in European regional and innovation policy. Foresight is an important part of creating smart specialization strategies. However, both the smart specialization concept and foresight have been criticized for lacking an empirical and theoretical foundation that can help guide their application in practice. This paper contributes to the theoretical foundation of smart specialization and regional foresight by drawing on the field of economic geography and elaborating a typology for patterns of smart specialization. We highlight that there are different paths to reaching smart specialization within the same industrial domain. The empirical research focuses on the offshore wind service sector in four regions around the North Sea. The findings corroborate a typology that offers four distinct patterns—diversification, transition, radical foundation, and modernization—all of which can enable the creation of new industrial activities where regions enter an emerging industry based on fundamentally different starting points.

General information
State: Published
Organisations: Department of Management Engineering, Technology and Innovation Management
Contributors: Piirainen, K. A., Tanner, A. N., Alkærsig, L.
Number of pages: 32
Publication date: 2016
Peer-reviewed: Yes

Publication information
Journal: Technological Forecasting and Social Change
ISSN (Print): 0040-1625
Ratings:
BFI (2019): BFI-level 1
Web of Science (2019): Indexed yes
BFI (2018): BFI-level 1
Web of Science (2018): Indexed yes
BFI (2017): BFI-level 1
Scopus rating (2017): CiteScore 3.42 SJR 1.38 SNIP 1.693
Web of Science (2017): Impact factor 3.129
Web of Science (2017): Indexed yes
BFI (2016): BFI-level 1
Scopus rating (2016): CiteScore 3.03 SJR 1.303 SNIP 1.675
Web of Science (2016): Impact factor 2.625
Web of Science (2016): Indexed yes
BFI (2015): BFI-level 1
Scopus rating (2015): CiteScore 3.28 SJR 1.286 SNIP 1.84
Web of Science (2015): Impact factor 2.678
Web of Science (2015): Indexed yes
BFI (2014): BFI-level 1
Scopus rating (2014): CiteScore 2.88 SJR 1.28 SNIP 1.803
Web of Science (2014): Impact factor 2.058
Web of Science (2014): Indexed yes
BFI (2013): BFI-level 1
Scopus rating (2013): CiteScore 2.93 SJR 1.26 SNIP 1.748
Web of Science (2013): Impact factor 1.959
ISI indexed (2013): ISI indexed yes
Web of Science (2013): Indexed yes
BFI (2012): BFI-level 1
Scopus rating (2012): CiteScore 2.92 SJR 1.483 SNIP 2.005
Web of Science (2012): Impact factor 2.106
ISI indexed (2012): ISI indexed yes
Web of Science (2012): Indexed yes
BFI (2011): BFI-level 1