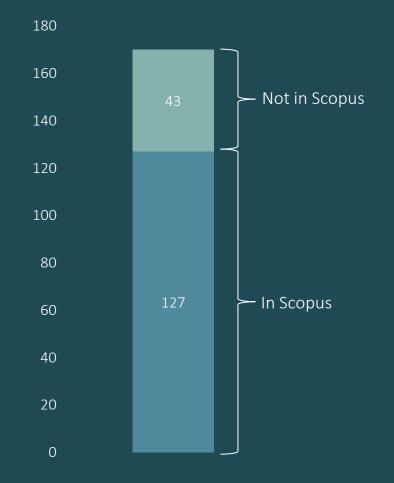


Scopus coverage

- Out of the original 170 publications from PDRL between 2019-2023, 127 are found in Scopus.
- Scopus coverage is thus 75 pct.
- The following analysis is conducted on the publications found in Scopus.

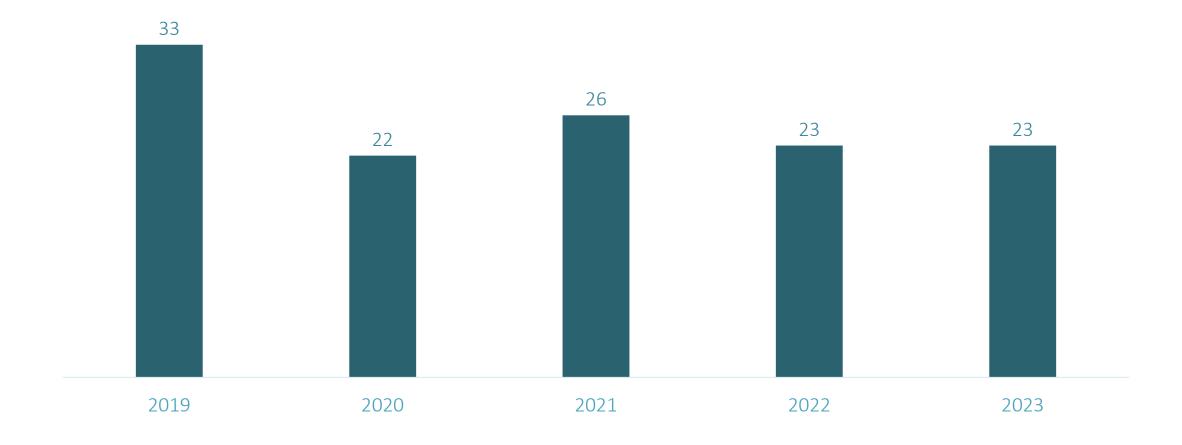


Scopus



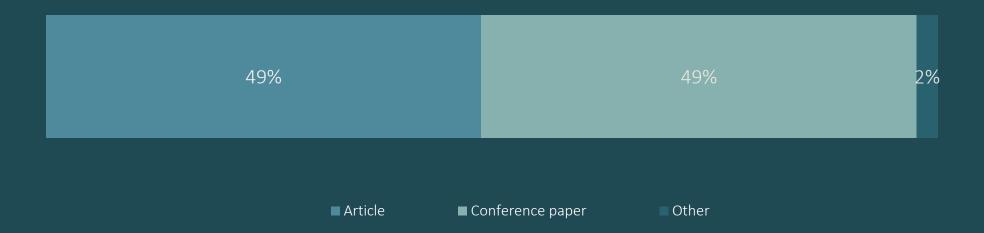


On average PDRL publishes 25 papers per year (127 in total)



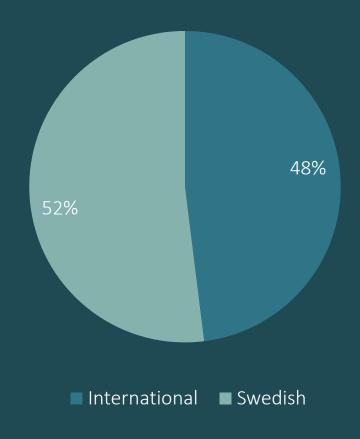


An equal number of articles and conference papers (62 of each)

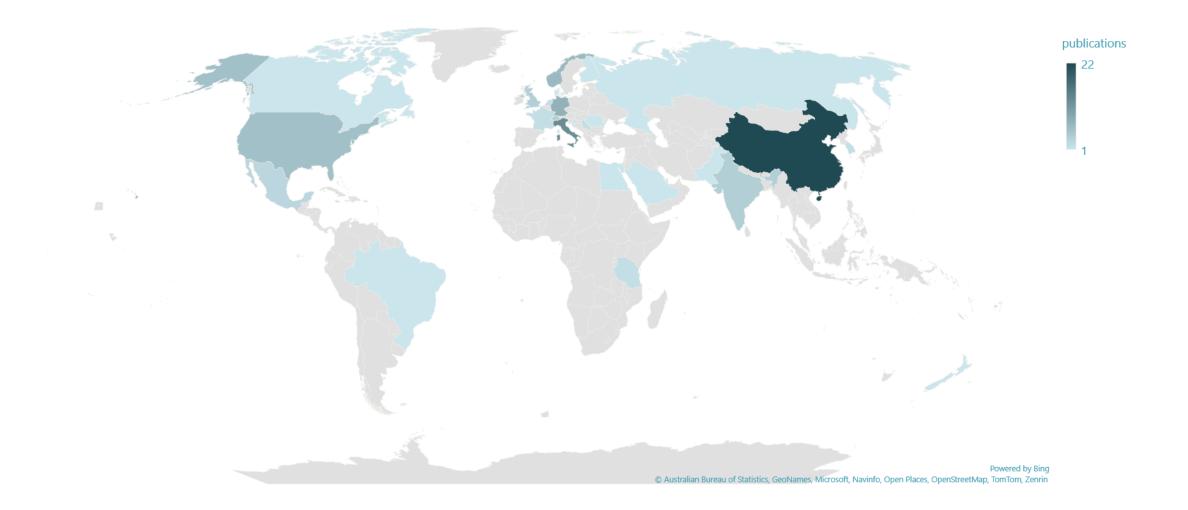




48 pct. of the publications are co-authored with researchers affiliated with international organizations (universities, research institutes etc)

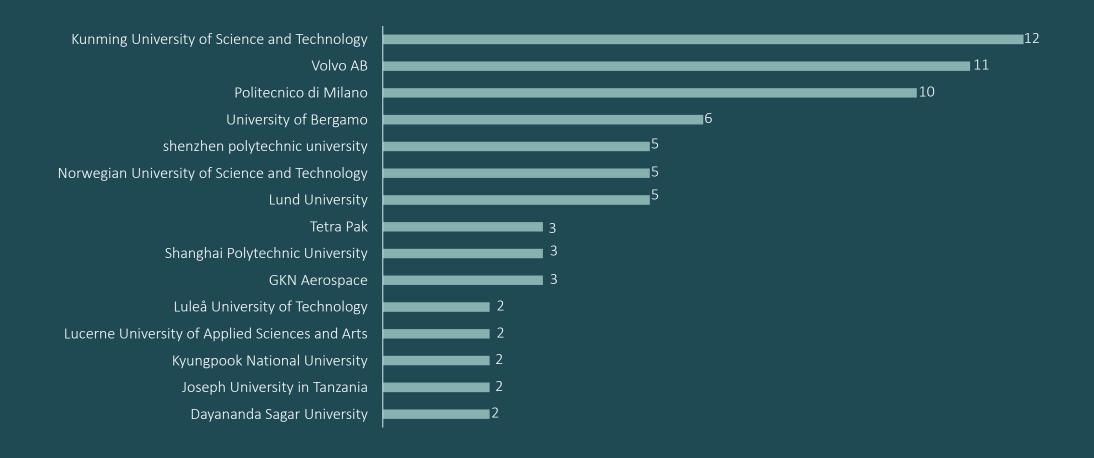


China (22 co-authored publications) is clearly the biggest collaboration country followed by Italy (13) and Germany (8).

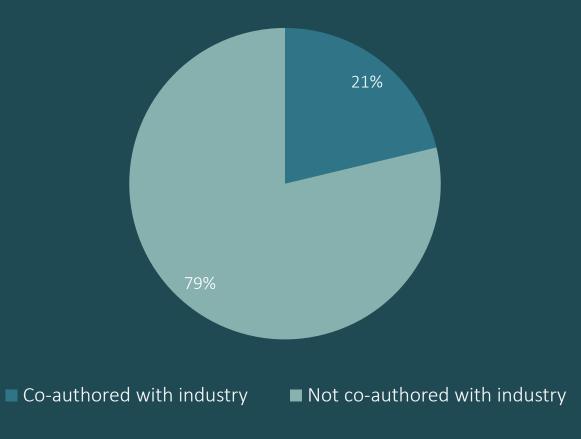




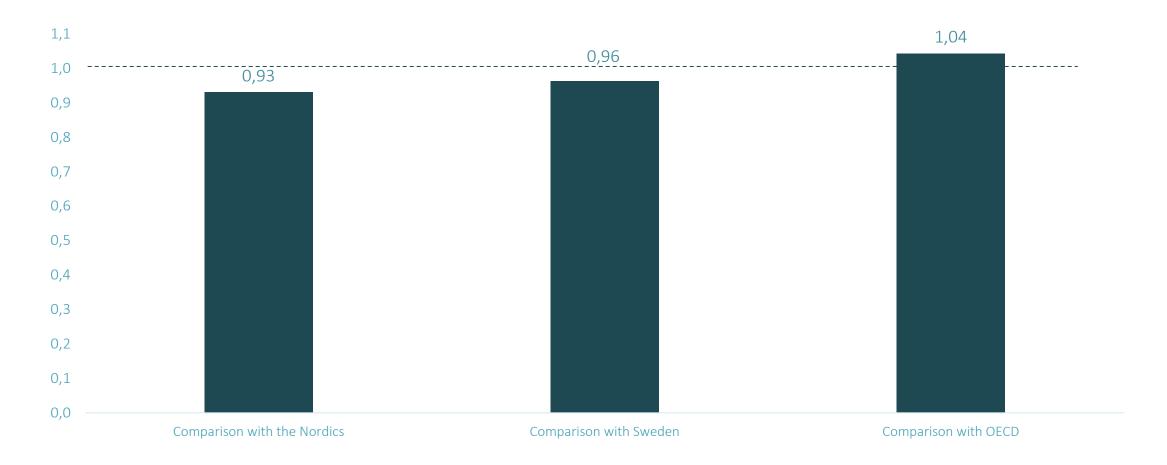
Kumming University, Volvo AB and Politecnico di Milano are among the top collaborators



27 (21 pct.) of publications are co-authored with industry researchers



PDRL publications are cited almost to the same extent as comparable publications (in the same journals) from Swedish universities



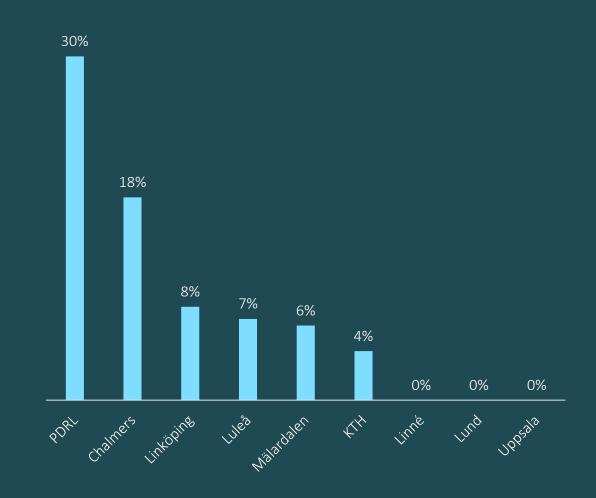


PDRL's publication strategy shows results

Publications from PDRL are often published in the journals and conferences PDRL have identified as the most important outlets. 30 pct. of the publications from PDRL between 2019-2023 have been published in these outlets (journals and conferences are listed in the Appendix).

Compared to eight other universities, PDRL publications are published far more often in these outlets. PDRL publications are published over 10 percentage points more than the university that publishes the second most in these outlets, Chalmers.

Publications from the comparison universities have been selected based on keywords, which is further explained on the following page.





How specialized are the universities?

Specialization is measured by first downloading all publications that have been published by BTH and 8 other Swedish universities between 2019-2023 that uses at least 2 of the 15 keywords selected to represent the research field by PDRL (keywords are presented to the right).

The total publication volume within this research area (B) is then divided by the total publication volume from Swedish universities during the same period (SE).

We then divide each (x) of the 9 universities' publications that include at least 2 of the 15 keywords (A) with the total amount of publications from each of the universities (I).

Finally, we perform the following equation to calculate the scientific specialization:

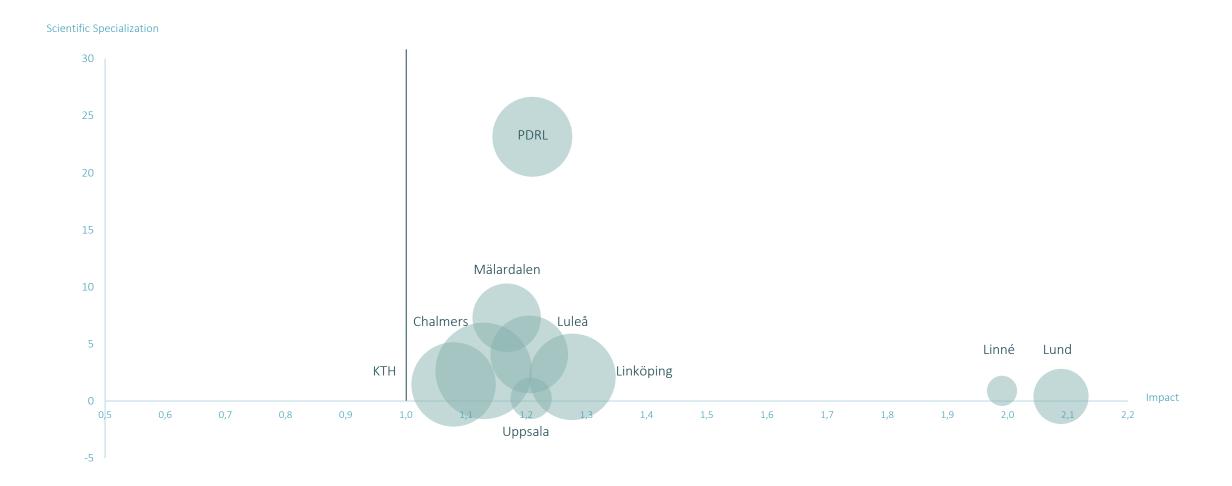
$$\frac{A/I^x}{B/SE}$$

Top 15 keywords used for the analysis

product-service systems value-driven design data-driven design decision support systems design space exploration design thinking digital servitization metal forming model-based decision-making model-driven-development systems engineering sustainable product development complex systems design virtual prototyping Engineering design



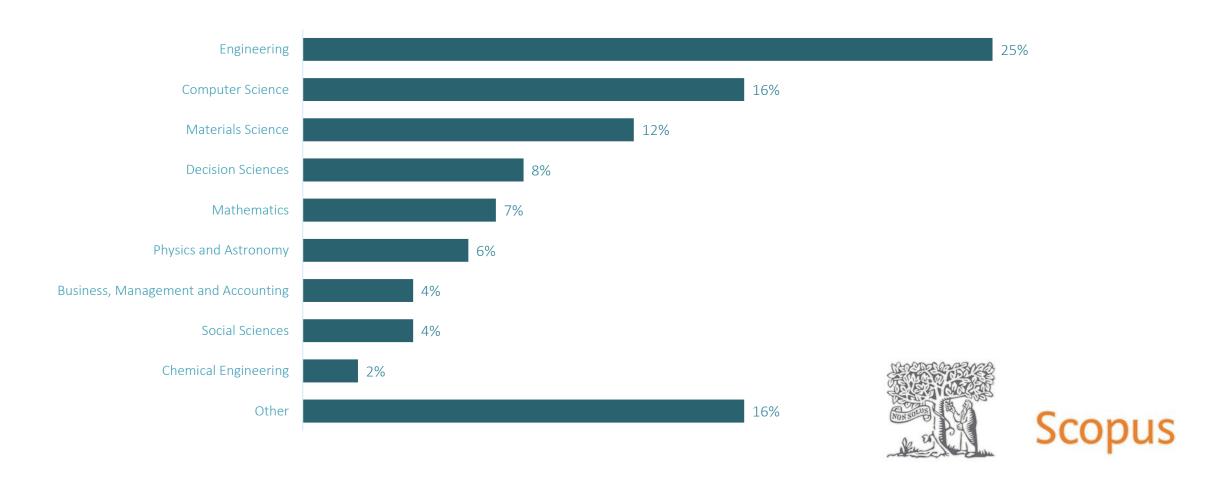
Very specialized, relatively high impact





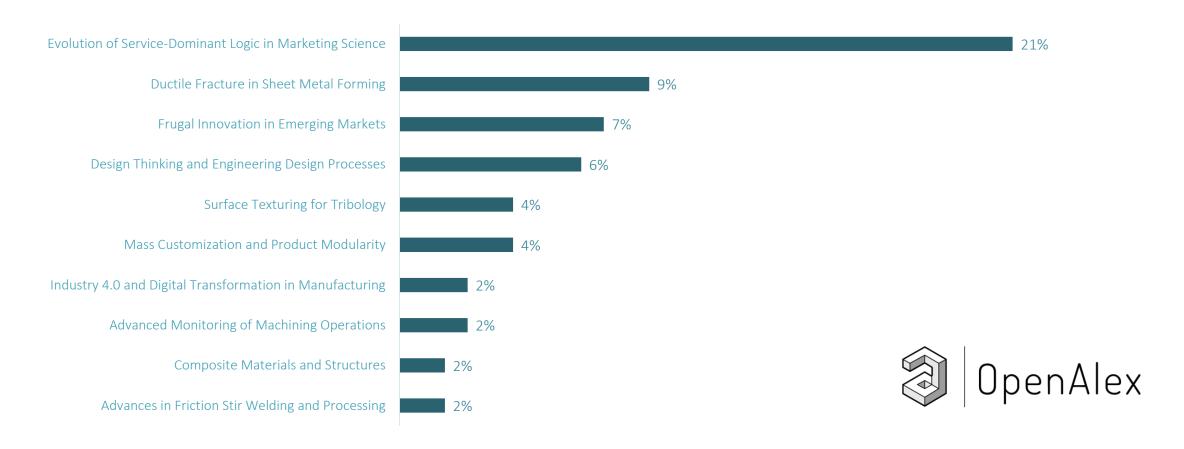
Appendix

Computer Science, Engineering and Mathematics are the most common research areas in Scopus





Evolution of Service-Dominant Logic in Marketing Science and Ductile Fracture in Sheet Metal Forming are the most common research areas when using OpenAlex's categories





The list shows the journals and conferences identified by PDRL as the most important

Journals	Conferences
Computers in Industry	International Conference on Engineering Design (ICED)
Concurrent Engineering Research and Applications	International DESIGN conference
Journal of Engineering Design	CIRP Design conference
Journal of Cleaner Production	ASME International Design Engineering Technical Conferences & Computers and Information in Engineering Conference (IDETC/CIE)
International Journal of Solids and Structures	PRO-VE IFIP/SOCOLNET Working Conference on Virtual Enterprises
International Journal of Material Forming	Conference of the International Deep Drawing Research Group (IDDRG)
International Journal of Fracture	International ESAFORM Conference on Material Forming
Design Studies	International Conference and Workshop on Numerical Simulation of 3D Sheet Metal Forming Processes (NUMISHEE)
Design Science	International Conference on Fracture (ICF)





where it all adds up

Copenhagen	
Overgaden Oven Vandet 58A	ĺ,
1415 Copenhagen	

Stockholm	
Götgatan 22A	
118 46 Stockholm	
Sweden	

De Ruijterkade 7			
1013 AA Amsterdam			
The Netherlands			

Amsterdam

C	o	n	ta	a C	t