Academic Collaboration Sweden - China

Hans Pohl STINT Oktober 2018











Bakgrund och data

- STINT är en s.k. löntagarfondsstiftelse vars ändamål är att internationalisera svensk högre utbildning och forskning
- Vårt största bilaterala program är med Kina
- Vi bedriver sedan nyligen särskilda aktiviteter för att utveckla nyttan av akademiska samarbeten med Kina.
- Data är till största delen från Scopus (Elsevier), den bredaste publikationsdatabasen
- Publikationsanalysen gjordes våren 2018.

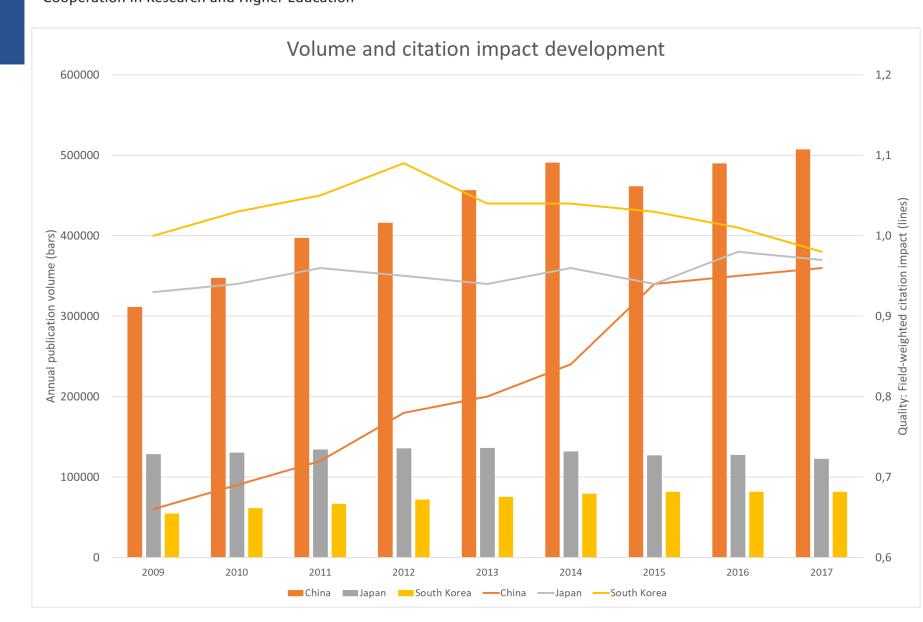




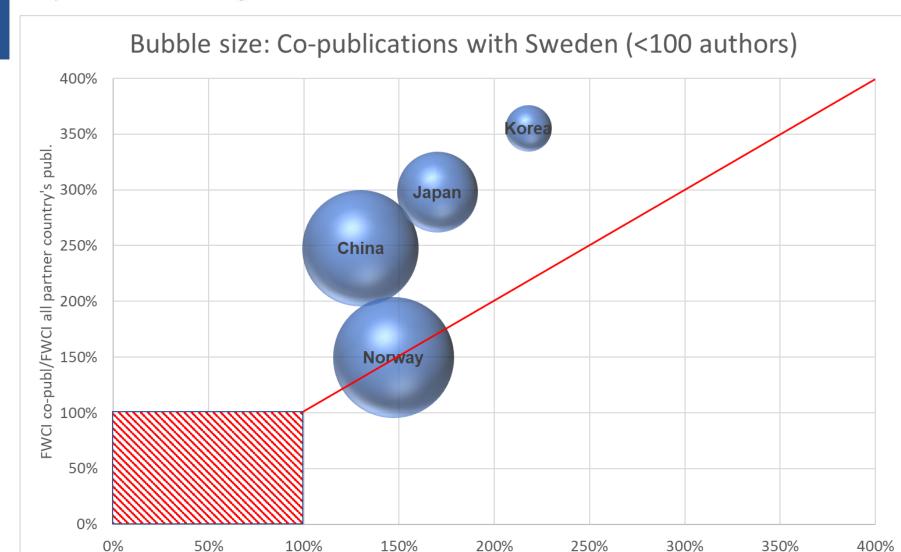
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Varför Kina?

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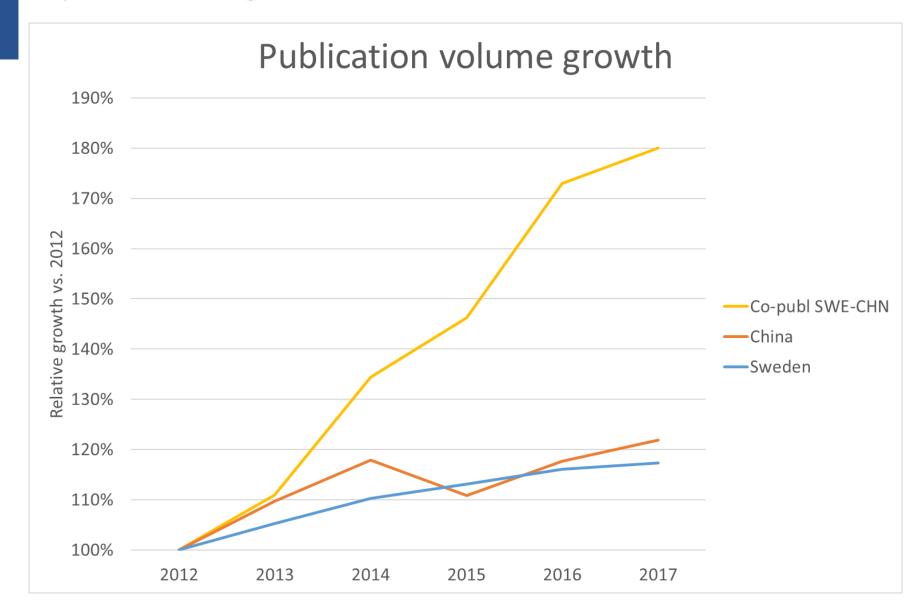


FWCI co-publ/FWCI all Swedish publ

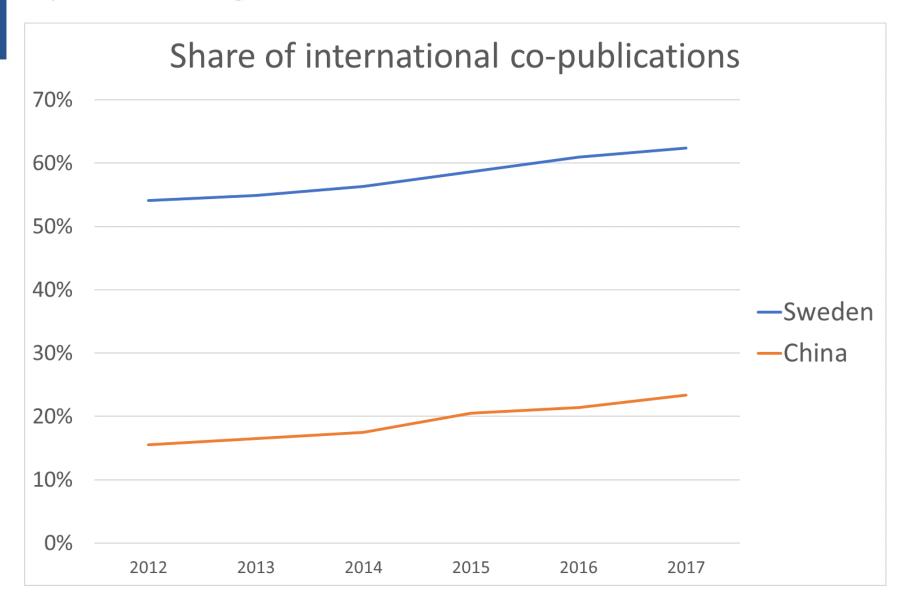


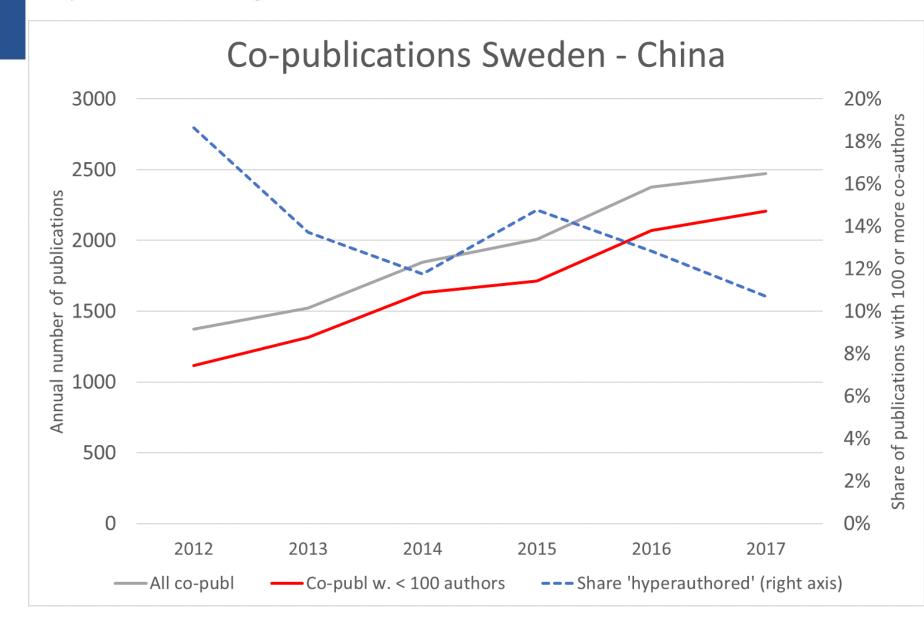
Sampublikationer Sverige - Kina



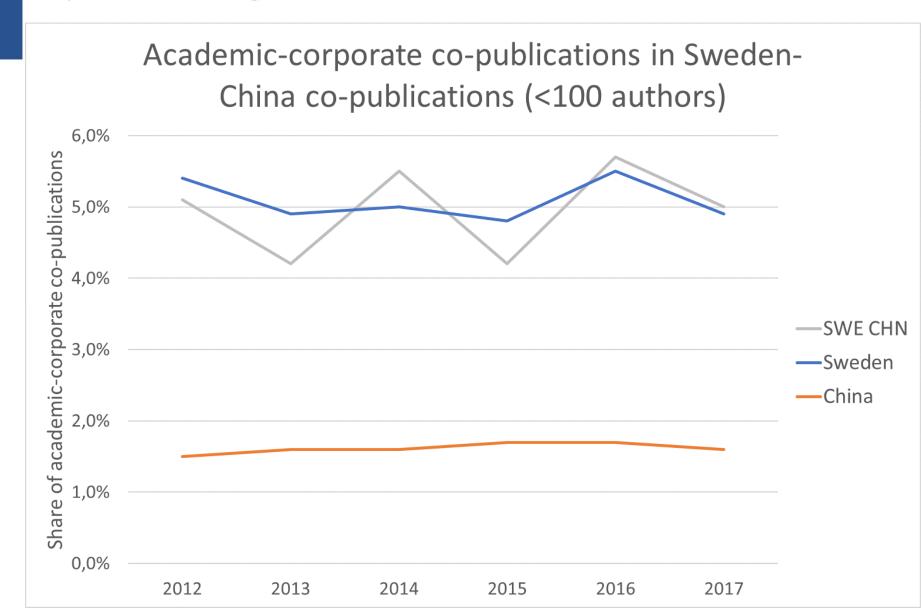








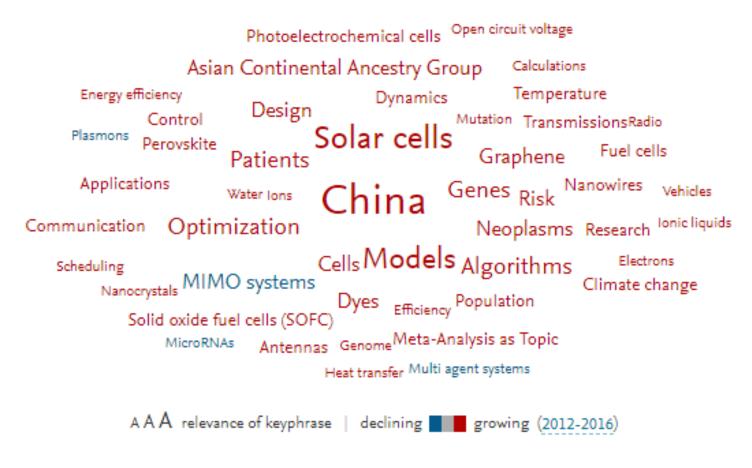




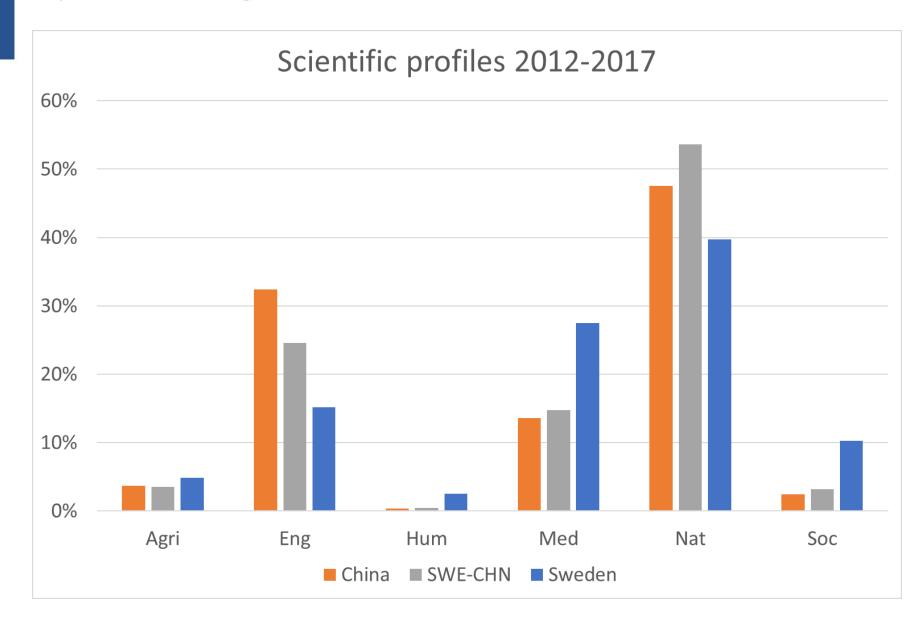


Co-publications Sweden - China

Fingerprint of co-publ. <100 authors



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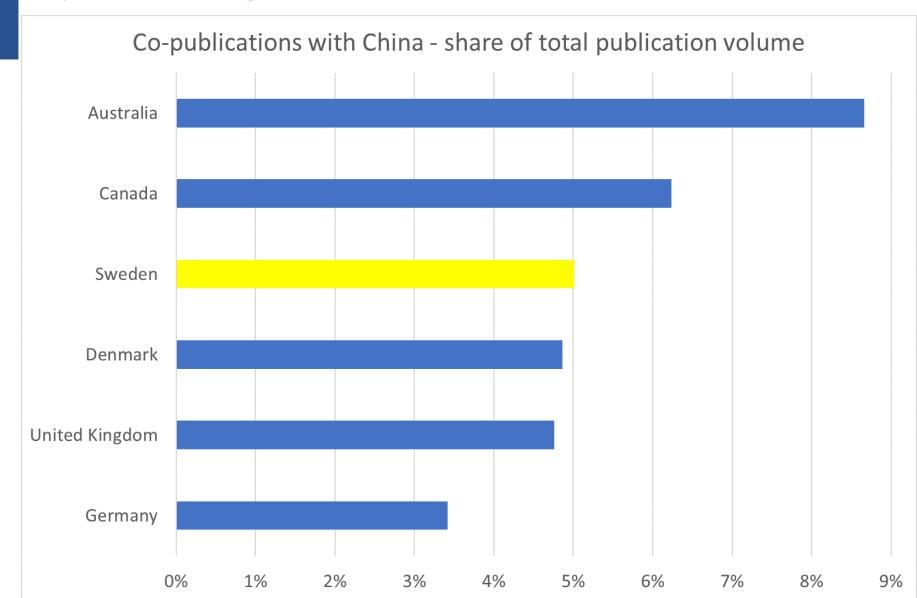




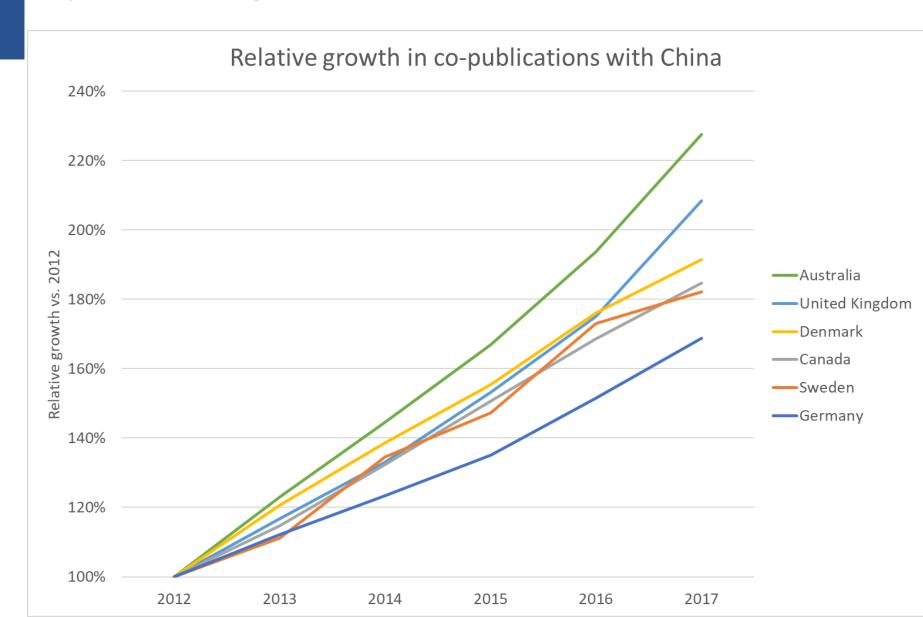
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Internationell jämförelse







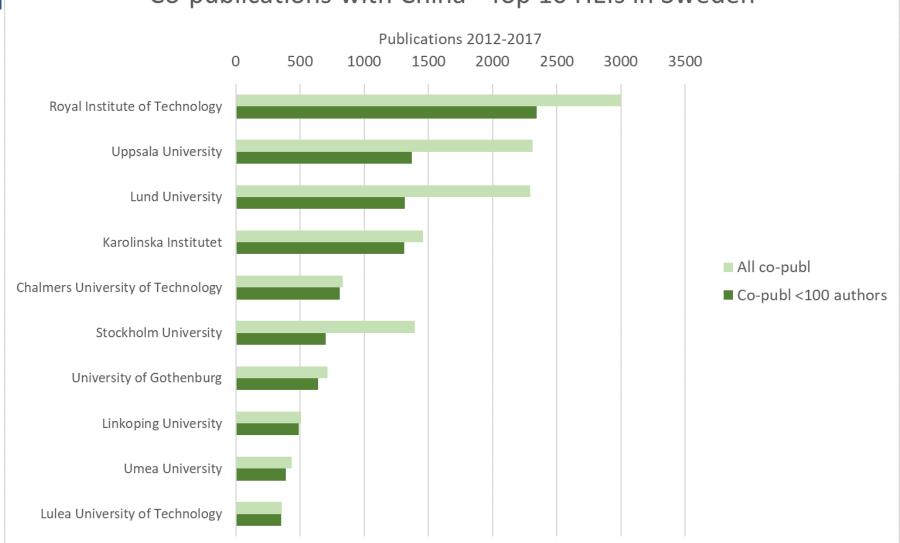




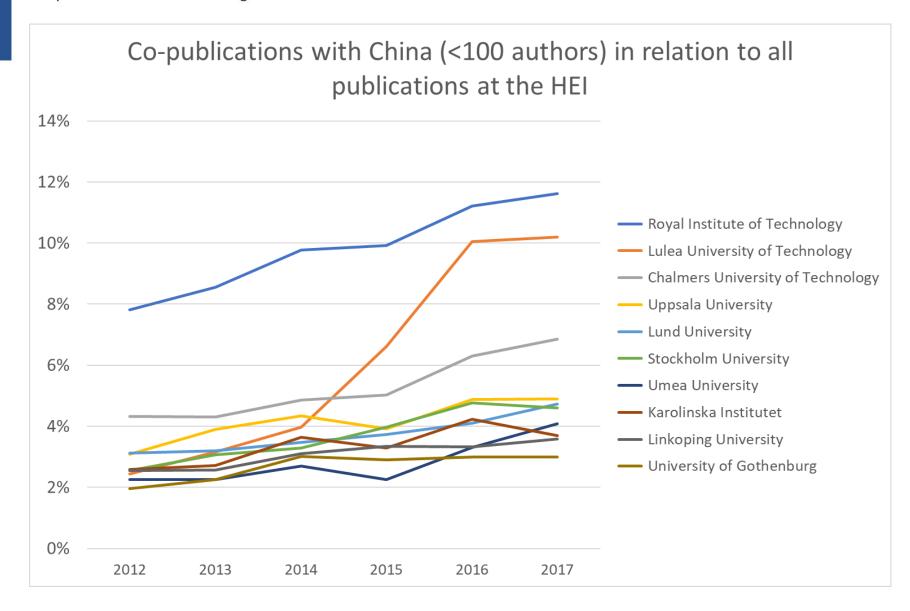
Vilka svenska lärosäten samarbetar mest med Kina?



Co-publications with China - Top 10 HEIs in Sweden



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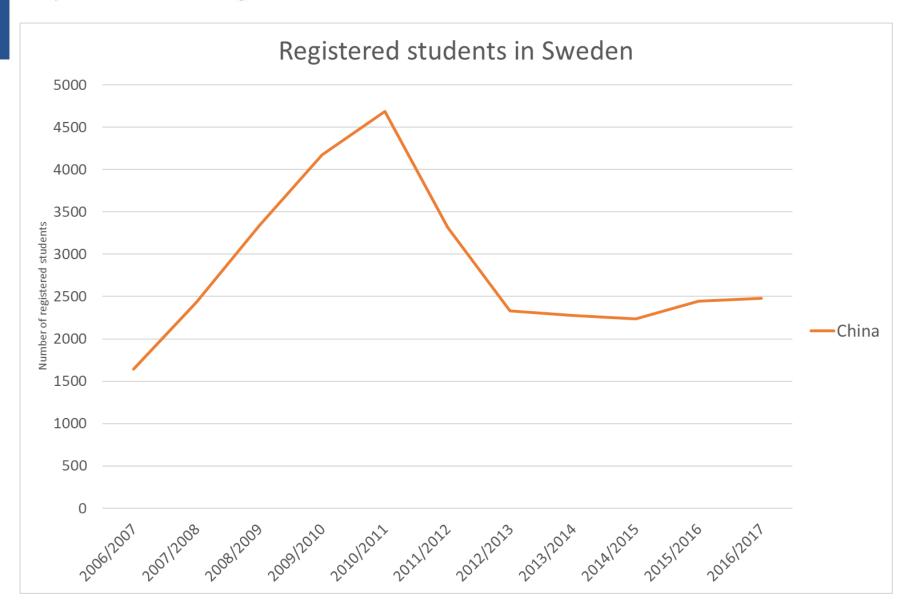




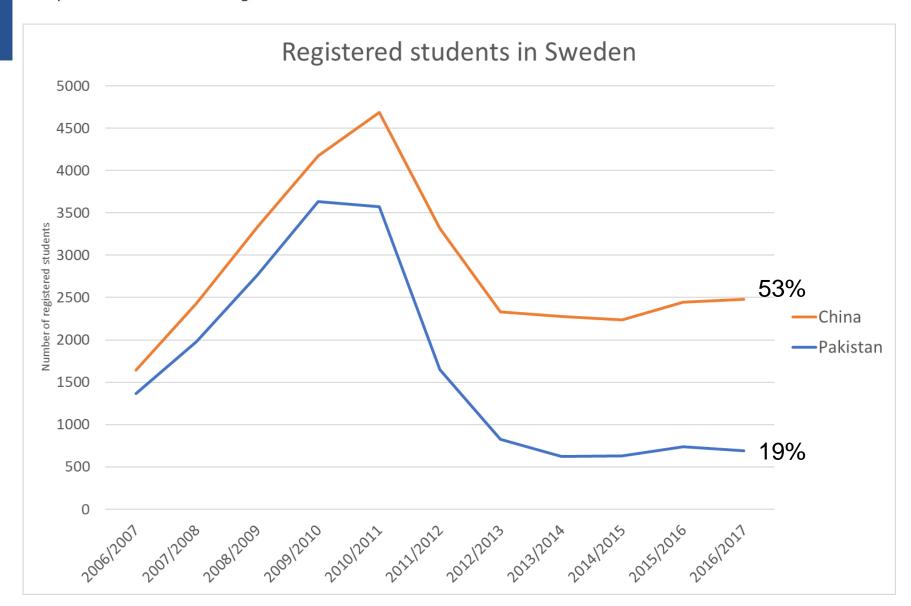
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Studenter från Kina

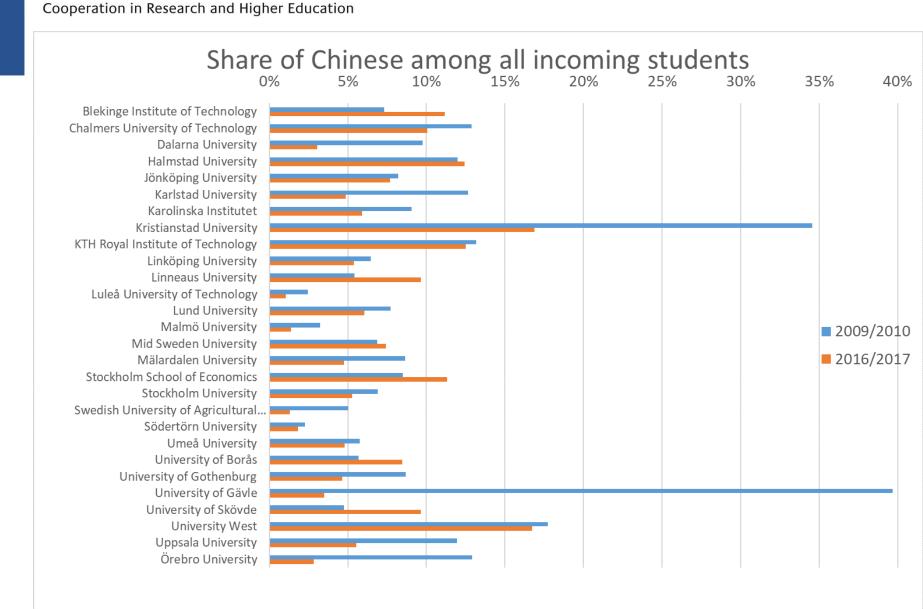
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Slutsatser och rekommendationer

Forskningssamarbetet mellan Sverige och Kina:

- Växer och ger bra citeringsgenomslag
- Har en tyngdpunkt i natur- och teknikvetenskaperna
- Handlar mer om Kina än om Sverige.

Fortsätt att utveckla samarbetet, exempelvis genom att:

- Bredda deltagandet (lärosäten såväl som vetenskapliga discipliner)
- Studera/säkerställ att studentmobilitet bidrar
- Öka bidraget till innovation.

Research Collaboration Sweden - China

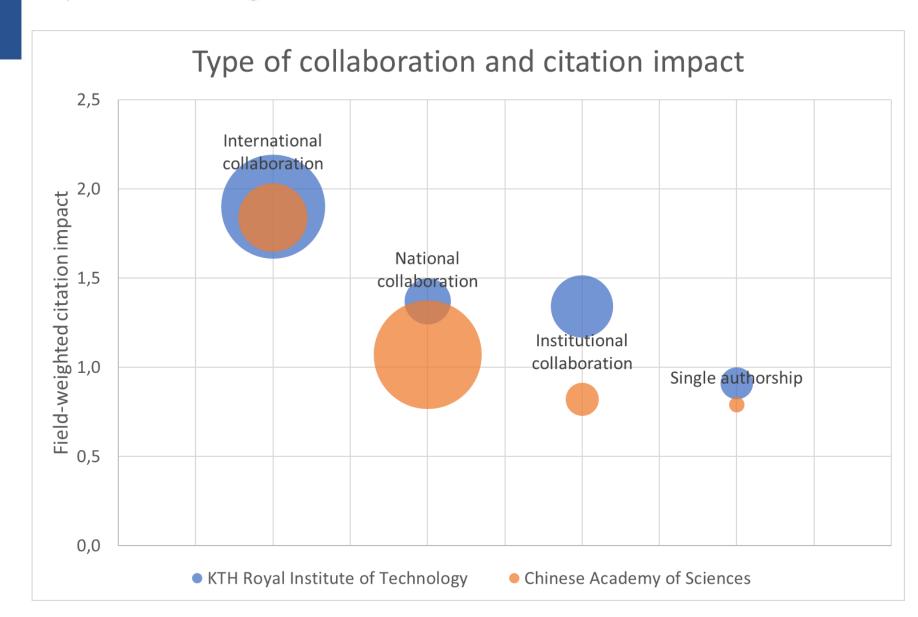
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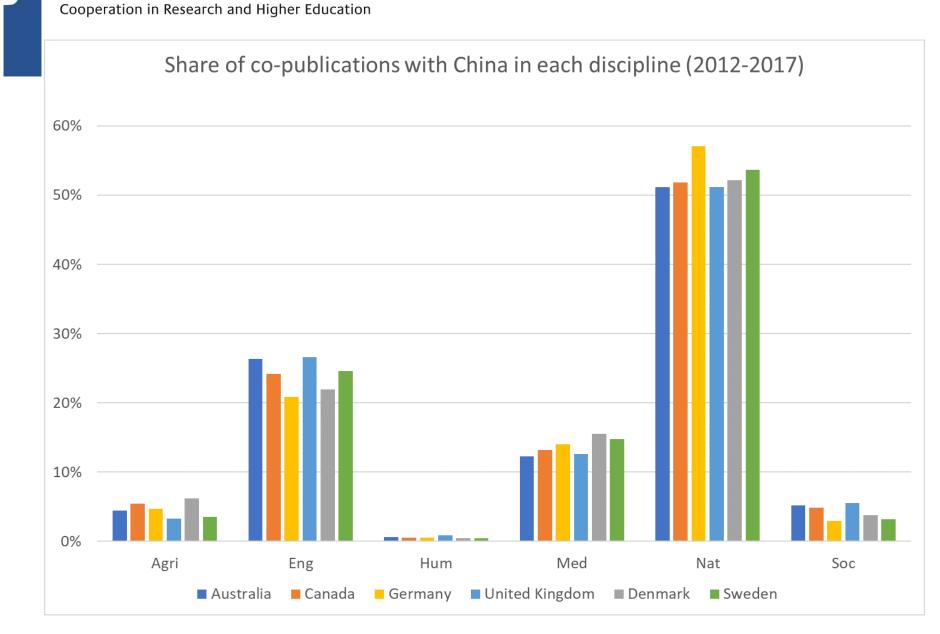








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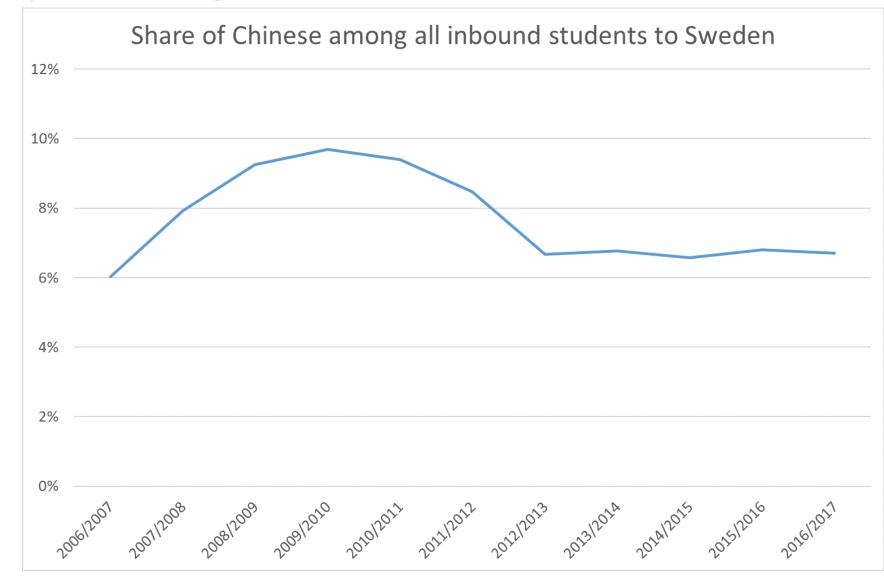




Incoming students from China

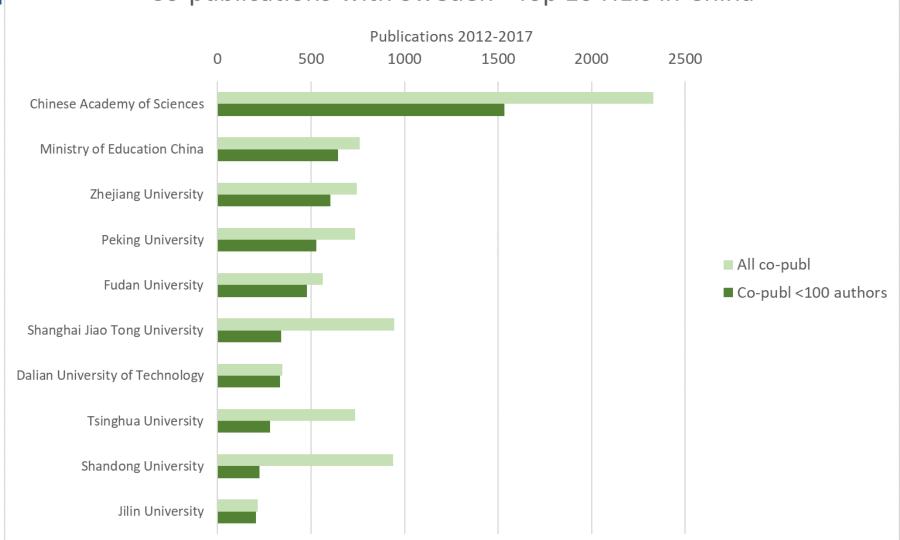
Incoming Chinese students in				
relation to population size				
Australia	0,472%			
New Zealand	0,362%			
Canada	0,170%			
United Kingdom	0,140%			
United States	0,091%			
Korea, Rep.	0,068%			
Japan	0,062%			
France	0,038%			
Finland	0,032%			
Germany	0,029%			
Sweden	0,024%			
Denmark	0,023%			
Switzerland	0,018%			
Norway	0,013%			
Austria	0,007%			
Belgium	0,005%			
Brazil	0,000%			







Co-publications with Sweden - Top 10 HEIs in China





ZIINI

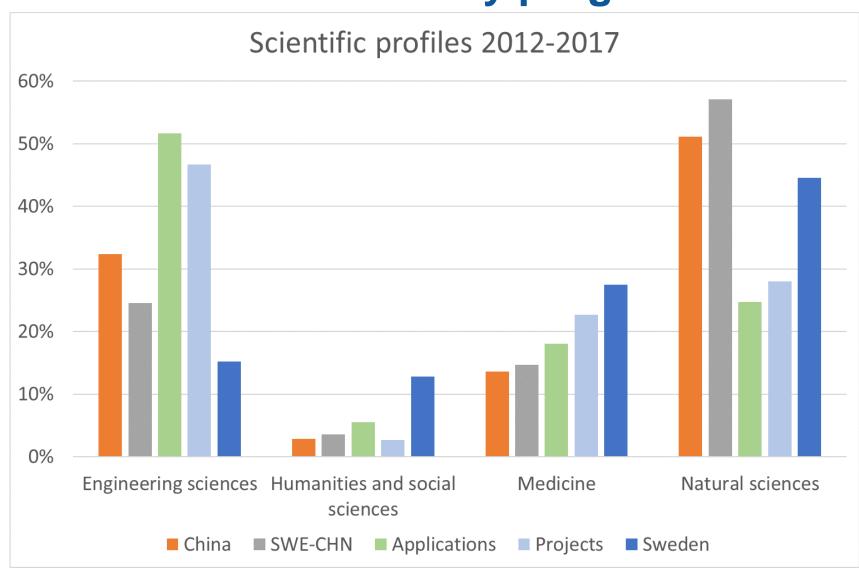
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Most productive researchers (<100 co-auth)

No. of publ.	Author	Scopus main affiliation	Second affiliation	Research area
215	Sun, Licheng	KTH Royal Institute of Technology	Dalian University of Technology	Catalysts, solar cells
204	He, Sailing	KTH Royal Institute of Technology	Zhejiang University	Metamaterials,, antennas
141	Sundén, Bengt	Lund University		Heat transfer, fuel cells
115	Liu, Johan	Shanghai University	Chalmers University of Technology	Thermal insulating materials, graphene
89	Wang, Shumin	Shanghai Institute of Microsystem and Information Technology Chinese Academy of Sciences	Chalmers University of Technology	Semiconductors
86	Vasilakos, Athanisos V.	Lulea University of Technology		Wireless networks, cloud computing
82	Li, Xin	KTH Royal Institute of Technology		Solar cells, fluorescence
82	Yan, Jinyue	KTH Royal Institute of Technology	Mälardalen University	Solar cells, energy
82	Zhu, Bin	China University of Geosciences	KTH Royal Institute of Technology	Fuel cells
77	Luo, Yi	Hefei National Laboratory for Physical Sciences at	KTH Royal Institute of Technology	Materials science, chemical engineering



STINT – NSFC mobility programme





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