



STINT

The Swedish Foundation for International
Cooperation in Research and Higher Education



Win-win Research Collaboration between Sweden and Korea

Dr. Andreas Göthenberg, Executive Director, STINT



STINT

The Swedish Foundation for International
Cooperation in Research and Higher Education



STINT

- STINT was set up as an endowed, independent foundation by an act of the Swedish Parliament in 1994
- Alternative funding organisation
- Strengthen the quality and competitiveness of HEI through international cooperation



STINT

The Swedish Foundation for International
Cooperation in Research and Higher Education



STINT's programs related to Korea

- Korea-Sweden Research Cooperation (with NRF Korea)
- Strategic Grants
- Grants for Double Degree Programmes
- Initiation Grants



STINT

The Swedish Foundation for International
Cooperation in Research and Higher Education

STINT and NRF projects

New projects funded
by STINT and NRF:

2008: 10
2009: 8
2010: 10
2011: 7
2012: 6
2013: 6
2014: 4
2015: 3
2016: 5
Σ: 59

2008		
Chalmers University of Technology	Yonsei University	Effective technology transfer and valuation of IP for innovation
Gothenburg University	Konkuk University	Transport and nanoelectromechanical properties of devices based on carbon nanotubes and graphene nanoribbons
KTH Royal Institute of Technology	Chonbuk National University	Top-down versus bottom-up for Schottky barrier field-effect transistors featuring silicon nanowire channel
KTH Royal Institute of Technology	POSTECH	Atomic-scale investigation of steel materials by first principles method
Luleå University of Technology	Chungnam National University	Systematic investigation of particle design and formulation of sCT
Lund University	Dongguk University	Development of new microchip technology for disease diagnosis using protein microarray technology, affinity probing and MALDI TOF MS
Lund University	Inha University	Storage and recall of quantum states of light
Stockholm University	Hangju University of Foreign Languages	The literary world of Shin Kyung-Suk: Insight into female authorship
Umeå University	Sungkyunkwan University	Challenges in Mobile Manipulation: Perception, Reasoning and Control
Uppsala University	Yeungnam University	A study on system interoperability based on indirect mapping between multilingual
2009		
Chalmers University of Technology	Gyeongsang National University	A Korea-Sweden joint program for development of new materials for rechargeable lithium batteries
Chalmers University of Technology	KAIST	Nanoporous crystals: Synthesis morphology control and structure
Karolinska Institutet	Seoul National University	Statistical methods for complex genomics data analyses
KTH Royal Institute of Technology	KAIST	Distributed stochastic optimization of communication networks: Foundations and applications
Lund University	Konkuk University	HAMLET - a potent and highly selective anti-cancer, protein-fatty acid complex
Stockholm University	Seoul National University	Biogenesis of subunit STT3 and assembly of the OST complex
Uppsala University	Dongguk University	Designing new solar energy materials for solar cell applications
Uppsala University	Irje University	Computer assisted analysis of microscopic images applied to biological research and cancer diagnosis
2010		
Chalmers University of Technology	Seoul National University	The physics and applications of graphene and Josephson-junction devices
Gothenburg University	Seoul National University	Role of dendritic cells for induction of regulatory T cells and novel approaches to inhibit inflammation-related immune diseases
Karlstad University	Kumoh Institute of Technology	2 Connect! - A collaborative project
KTH Royal Institute of Technology	Seoul National University	Partial differential equations and free boundary problems with applications
Lund University	Dongguk University	New translational biomarker tools for clinical diagnostics and therapeutics
Stockholm University	Gwangju Institute of Science and Technology	Global black carbon radiative forcing
Stockholm University	Hanyang University	Swedish - Korean research cooperation on methods for measuring soundscape quality
Stockholm University	Korea University	Isotopic constraints on sources of climate affecting aerosols in East Asia
Stockholm University	Seoul National University	Biogenesis of subunit STT3 and assembly of the OST complex
Uppsala University	Seoul National University	Concerted effort in developing materials for hydrogen storage applications
2011		
Chalmers University of Technology	Korea Institute of Advanced Science and Technology	Local rigidity of hyperbolic lattices in Hermitian symmetric lie groups
KTH Royal Institute of Technology	Seoul National University	Distributed management of sensor and actor network systems for intelligent space monitoring
Stockholm University	Seoul National University	New functional materials formed by self-assembly of nano-cellulose
Umeå University	Sungkyunkwan University	Data-driven network informatics
University of Borås	Seoul National University	Renewable thermoset and thermoplastic structural green composites with natural fibers: Future outlook in automotive applications
Uppsala University	Hanyang University	Theoretical exploration of bio-molecules adsorption on solid-state surfaces through realistic ab initio simulations
Uppsala University	Seoul National University	Innovation and career of knowledge workers
2012		
Halmstad University	Korea Institute of Science and Technology	Growth and optical/electrical characterization of Sb based type-II nanostructures for mid-wave and long-wave infrared imaging applications
KTH Royal Institute of Technology	POSTECH	Research enhancement for nuclear thermal-hydraulics and safety in the post-Fukushima accident era
KTH Royal Institute of Technology	POSTECH	Quantum Polarization - Quantum Properties of Light Polarization
Linköping University	The Catholic University of Korea	Development of corneal endothelial replacements for corneal transplantation
Lund University	Sungkyunkwan University	Exploring light-harvesting complexes from marine organisms by multidimensional spectroscopy
Uppsala University	Dongguk University	Designing new solar energy materials for solar cell applications
2013		
KTH Royal Institute of Technology	Seoul National University	Korea-Sweden NanoBio Synergies
Lund University	Hannam University	Novel multidimensional method for characterization of macromolecules of biotechnological interest
Göteborgs universitet	Pohang University of Science and Technology	A collaborative effort to develop exosomes and artificial nanovesicles as therapeutics in disease
Karolinska Institutet	Pohang University of Science and Technology	Inositol phosphate kinases and the regulation of insulin secretion in health and disease
Luleå University of Technology	Chosun University	Building a knowledge bridge on laser beam welding between Sweden and Korea
Karolinska Institutet	Seoul National University	Dissecting nervous system development and function using the C. elegans model
2014		
KTH Royal Institute of Technology	Korean Advanced Institute of Science and Technology	Sweden (KTH)-Korea (KAIST) collaborative structural biology program for molecular mechanisms of molecular complexes involved in chromatin modification
Lund University	Korea University	Design and Optimization of Electrodes for Electrochemical Cells
Karolinska Institutet	Seoul National University	The development of statistical methods for high-throughput molecular data analysis
Göteborgs universitet	Kyung-Hee University	The roles of acupuncture and tactile stimulation in the modulation of pain processing
2015		
KTH Royal Institute of Technology	Yonsei University	Agile Radio Resource Management for 5G Wireless Systems in Shared Spectrum
Göteborgs universitet	Inha University	Korea-Sweden collaborative studies for monitoring climate change in Polar regions
Uppsala University	Yonsei University	Advancing Comparative Public Administration by Exploring Lessons on Implementation Efficiency and Democratic Legitimacy in Sweden and South Korea

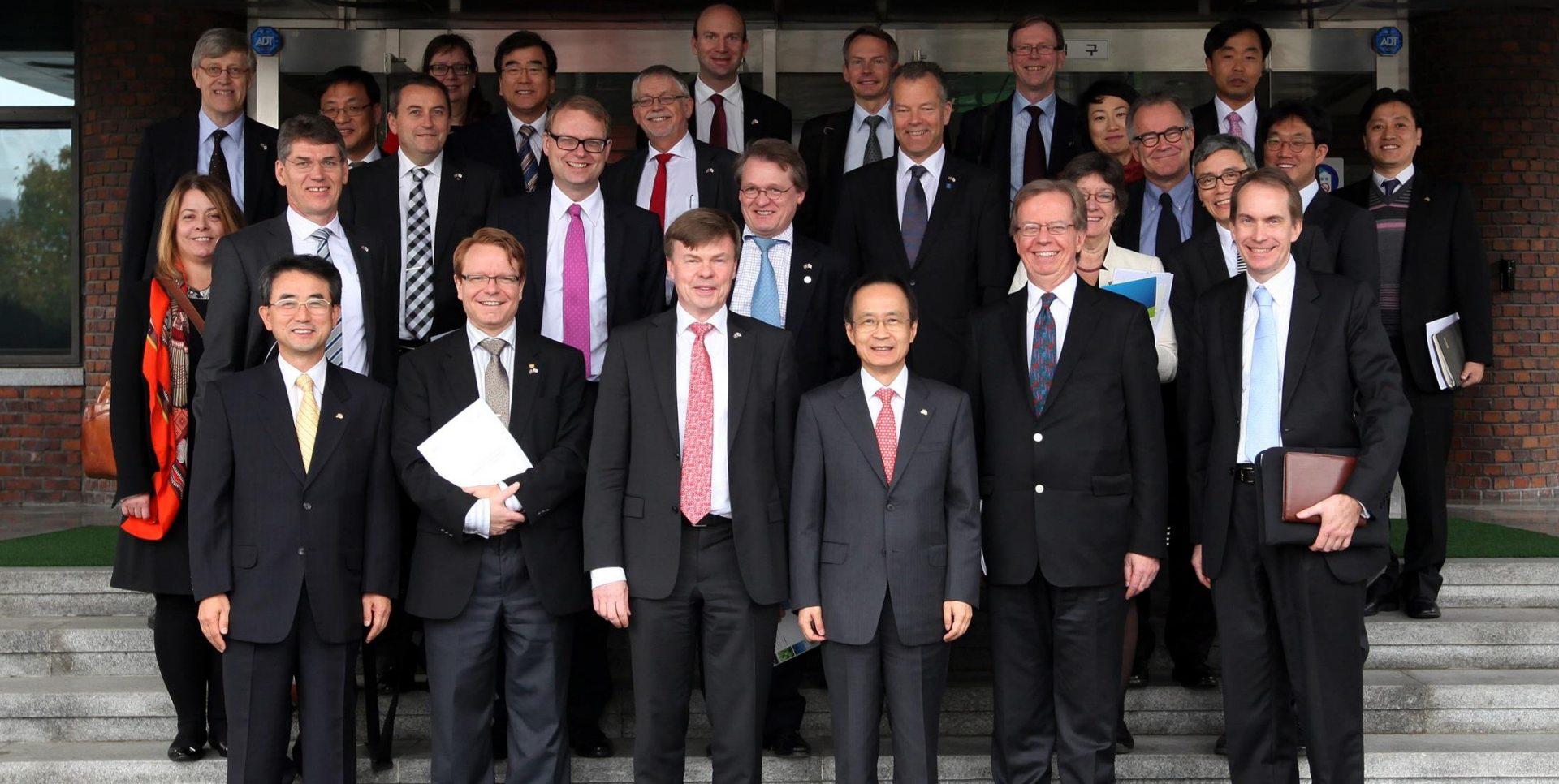


STINT

The Swedish Foundation for International
Cooperation in Research and Higher Education



Swedish University Presidents' Delegation 2012





STINT

The Swedish Foundation for International
Cooperation in Research and Higher Education



STINT Strategic Grants

2015 Korea-Sweden Excellence Seminar

6 Swedish universities

(Chalmers, KTH, Linköping U, Lund U, Stockholm U, Uppsala U)

**Leading to even more and stronger research and academic
network between Sweden and Korea**





STINT

The Swedish Foundation for International
Cooperation in Research and Higher Education

Quality and Cooperation

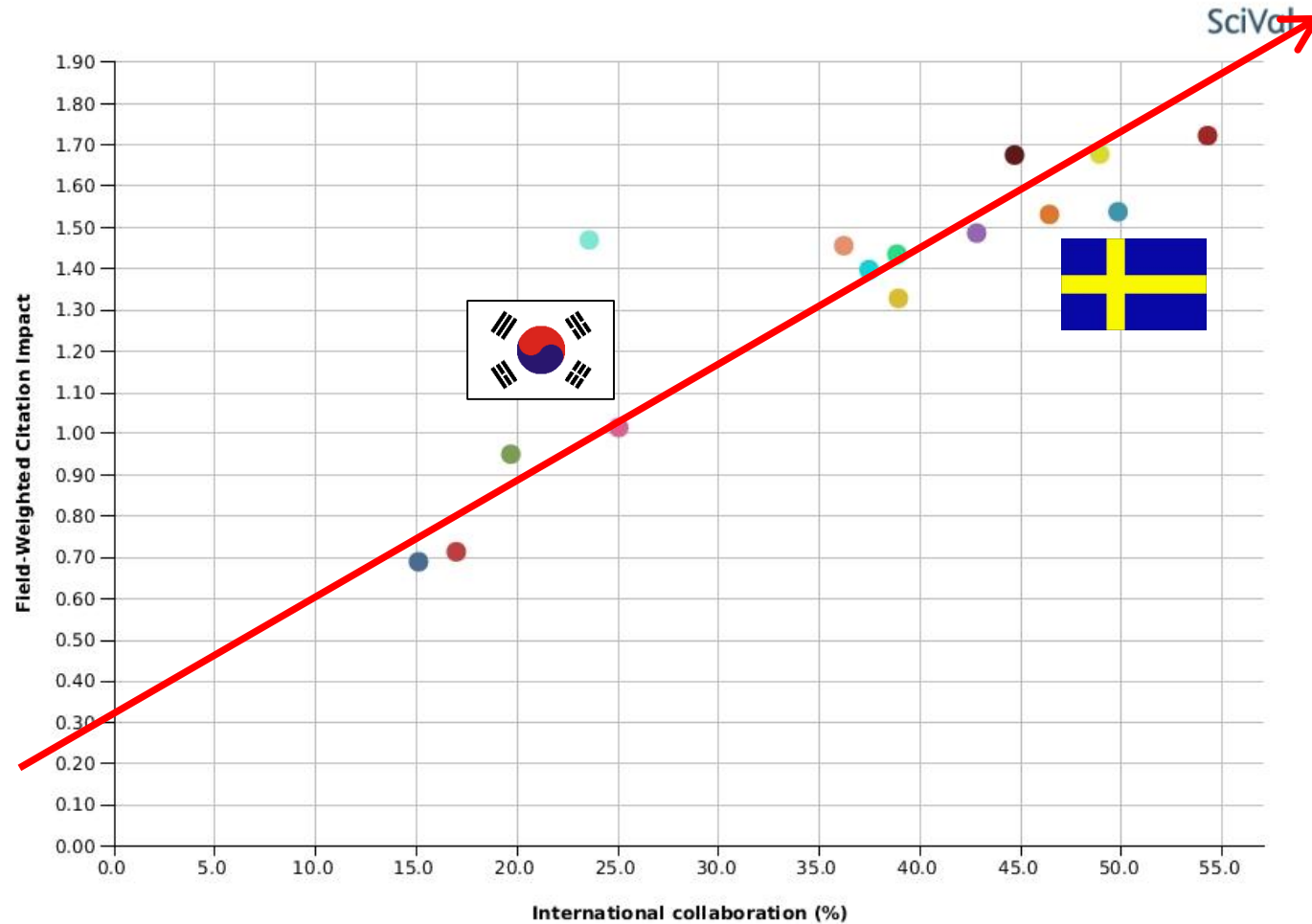


Chart Legend

- Australia [Country]
- Belgium [Country]
- Canada [Country]
- China [Country]
- Denmark [Country]
- Germany [Country]
- India [Country]
- Japan [Country]
- Netherlands [Country]
- Singapore [Country]
- South Korea [Country]
- Sweden [Country]
- Switzerland [Country]
- United Kingdom [Country]
- United States [Country]

Source: Data from SciVal® database, Elsevier B.V., <http://www.scival.com> downloaded June 2015

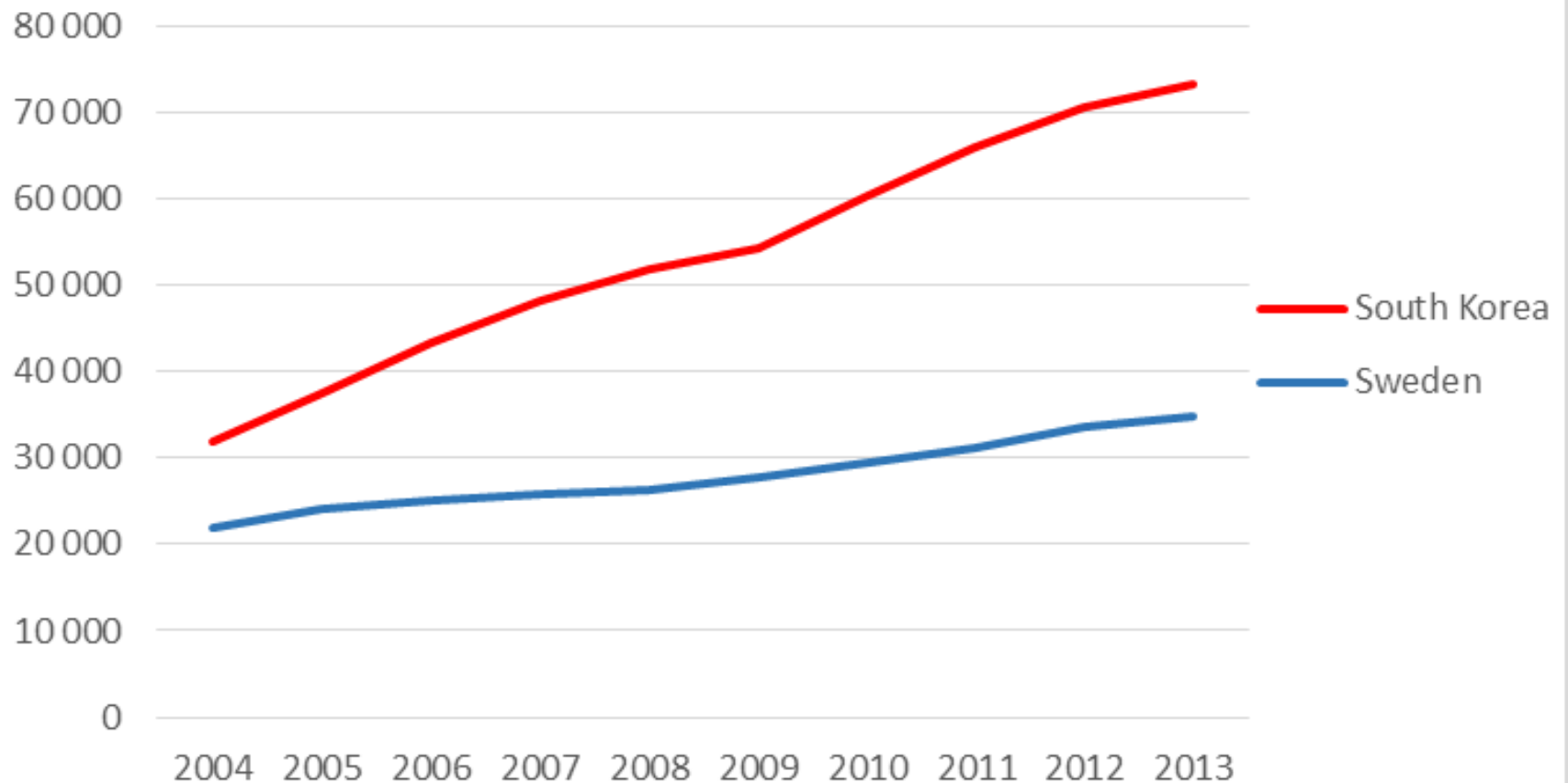


STINT

The Swedish Foundation for International
Cooperation in Research and Higher Education



Annual volumes of publications



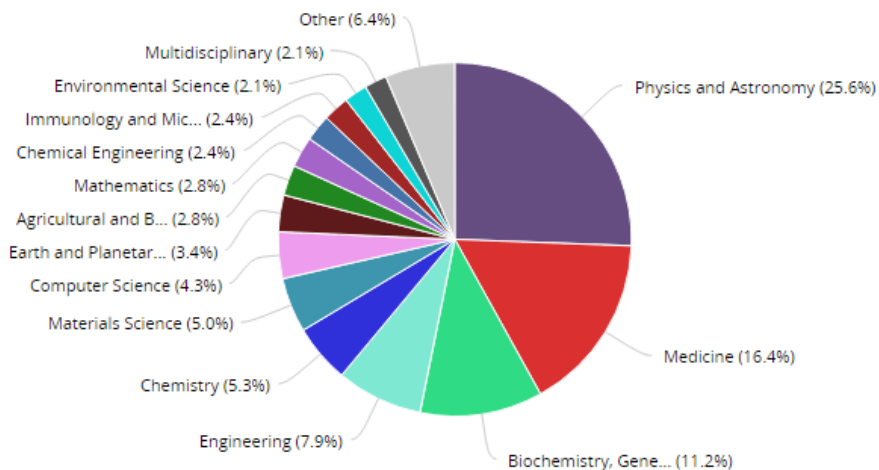
Source: Data from SciVal® database, Elsevier B.V., <http://www.scival.com> downloaded April 2015



STINT

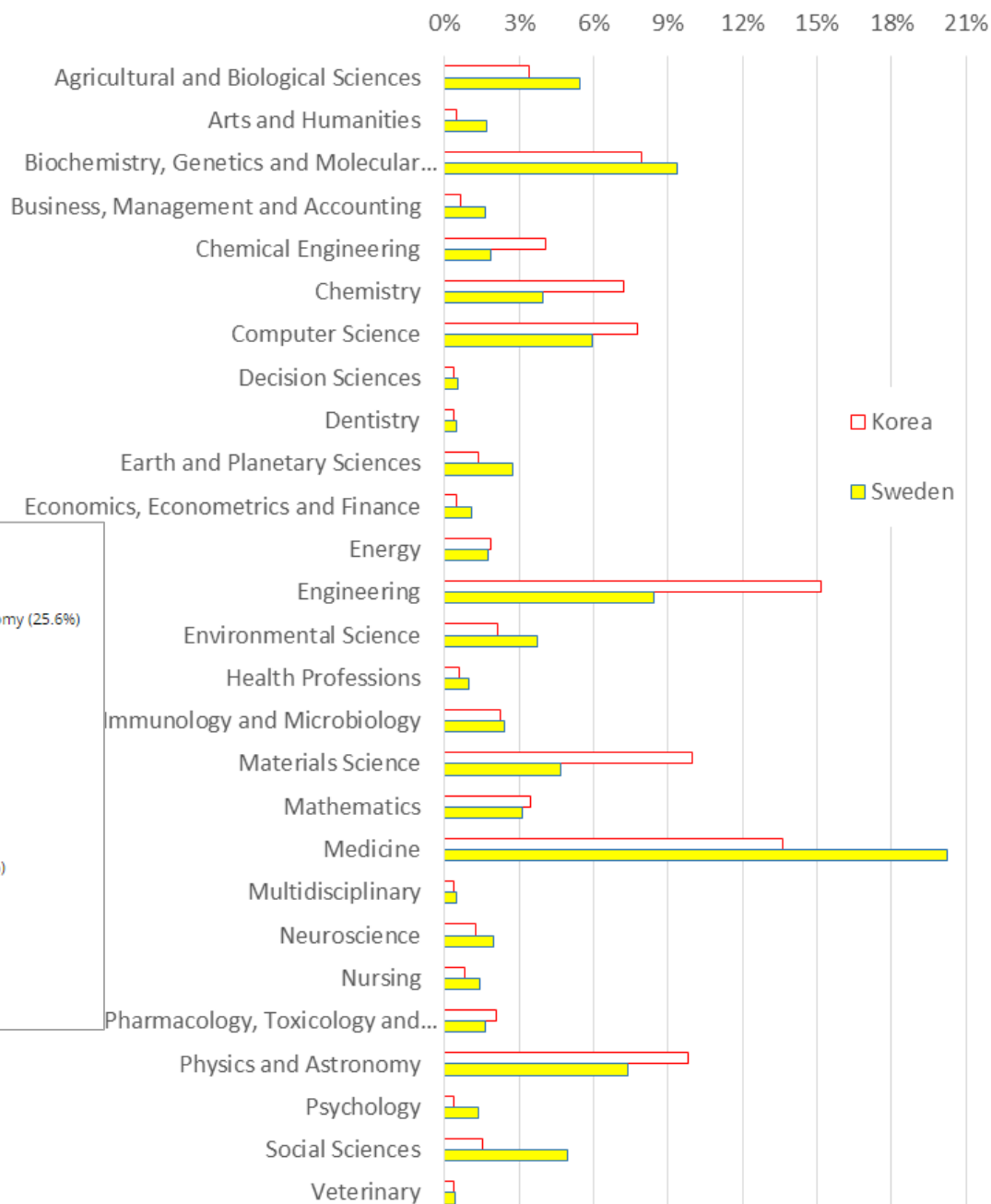
The Swedish Foundation for International
Cooperation in Research and Higher Education

Scientific Profiles



Source: Data from SciVal® database,
Elsevier B.V., <http://www.scival.com>
downloaded April 2015 and Sept 2016

Scientific profiles - volumes



**STINT**

The Swedish Foundation for International
Cooperation in Research and Higher Education



Sweden – Korea Co-publications

2011-2016

▲ +38.1%

Up 38.1% over the period 2011-2015

▲ +53.2%

Up 53.2% over the period 2011-2015

Sweden

2,168 ▲

co-authors with South Korea

1.66

Field-Weighted Citation Impact

Co-authored

1,939 ▲

publications

4.53

Field-Weighted Citation Impact

▲ +98.0%

Up 98.0% over the period 2011-2015

South Korea

2,488 ▲

co-authors with Sweden

1.04

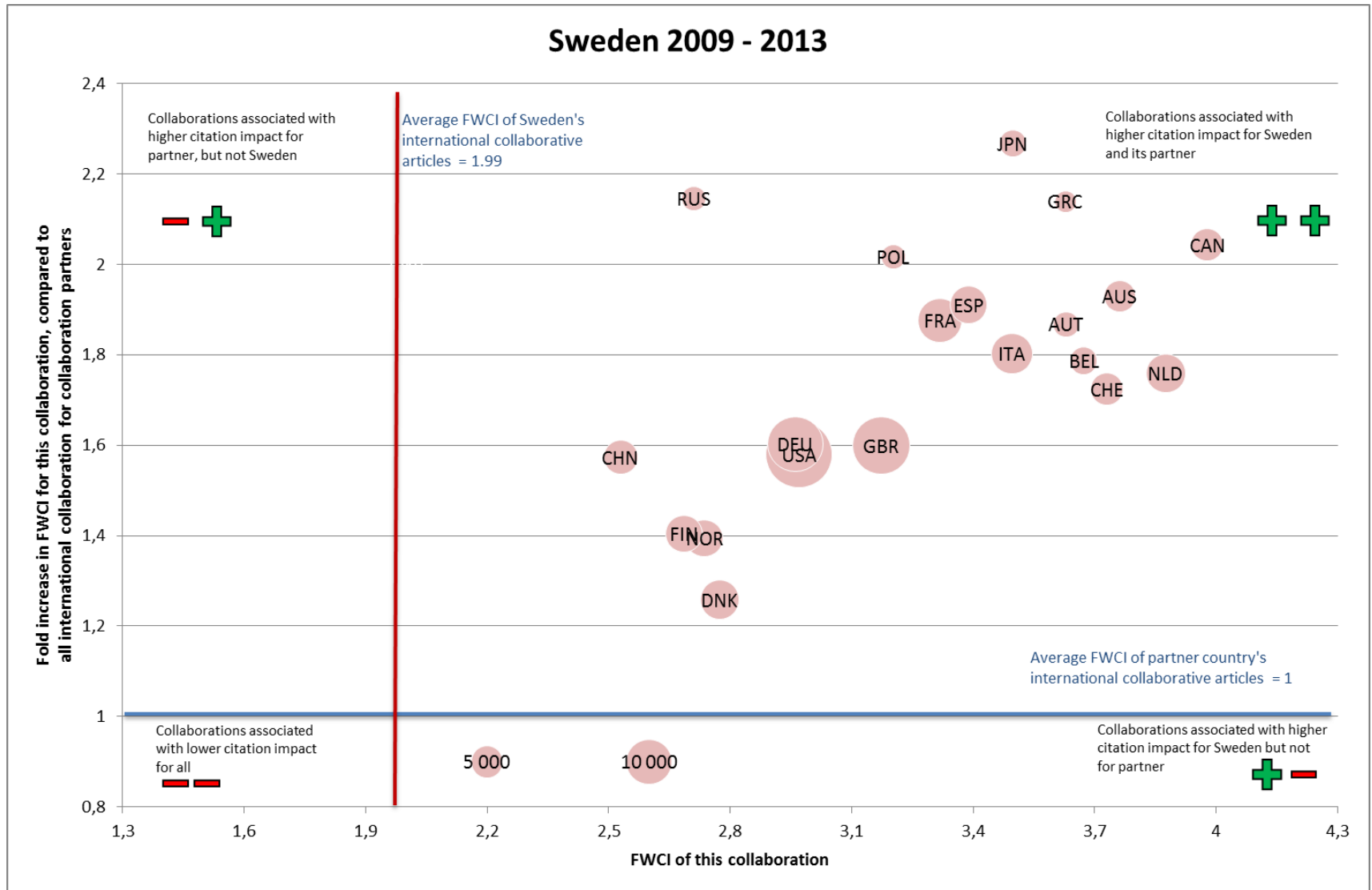
Field-Weighted Citation Impact

Authors	108,183 ▲	-	376,354 ▲
Scholarly Output	204,050 ▲	-	422,497 ▲
Views count (from Scopus)	3,555,056	93,009	6,260,222
Field-Weighted Views Impact	1.42	5.05	1.12
Citation Count	1,614,043	56,548	2,153,092
Number of Institutions	58		145



STINT

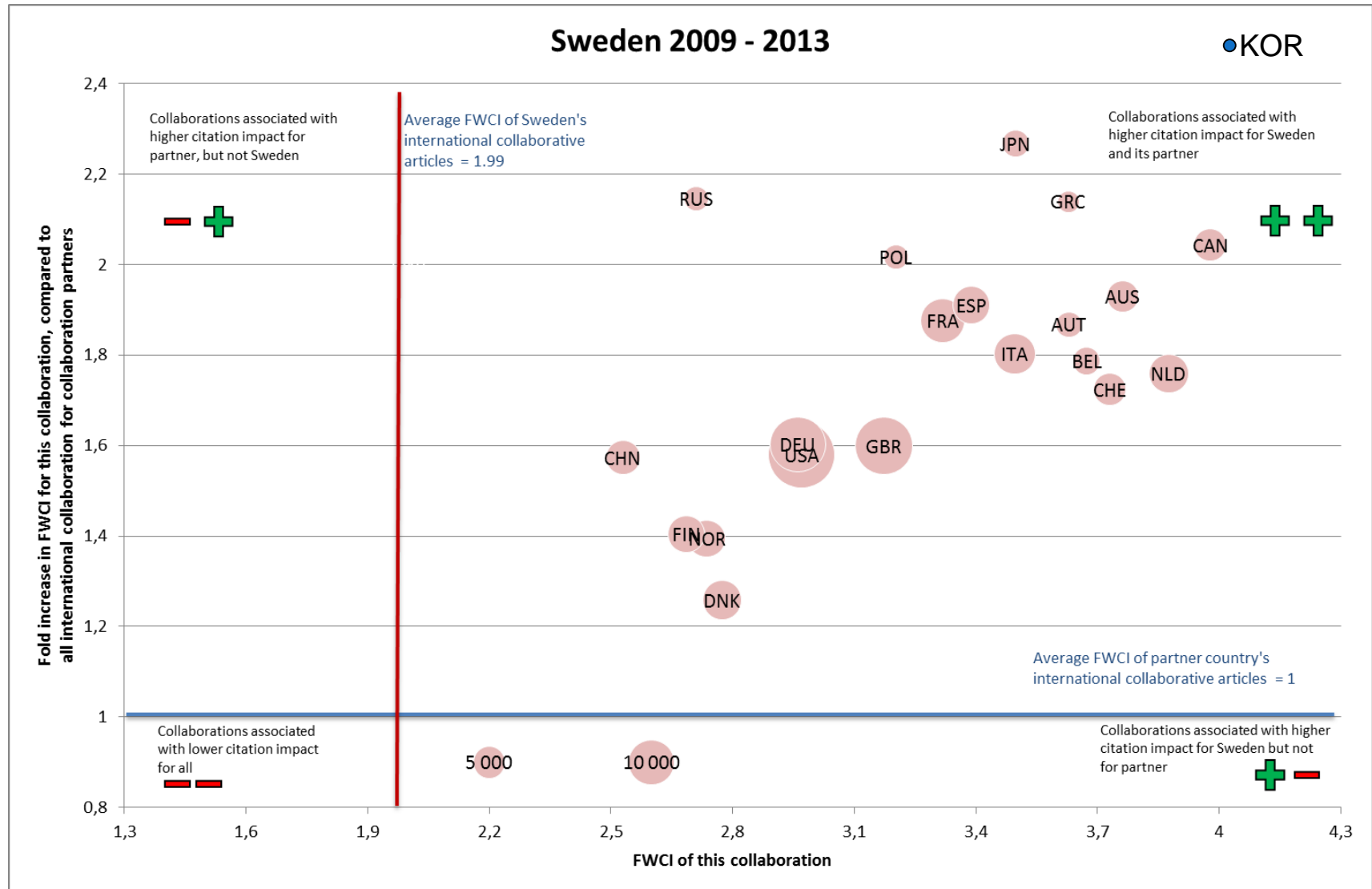
The Swedish Foundation for International
Cooperation in Research and Higher Education





STINT

The Swedish Foundation for International
Cooperation in Research and Higher Education





STINT

The Swedish Foundation for International
Cooperation in Research and Higher Education



Thank you!

andreas.gothenberg@stint.se

@STINTtweet

@AGothenberg