



Information Meeting on Cooperation with India


MALIN PETERSEN, COUNTRY MANAGER INDIA



”

Join us in Co-Creation for Innovation!

[WWW.LINKEDIN.COM/GROUPS/8982790/](https://www.linkedin.com/groups/8982790/)



Sweden India Innovation Initiative
Listed group

Set your group up for success

Start a post in this group

Photo Video Poll

All Recommended

Himanshu Agarwal • 1st
Senior Vice President International Markets, Zydex Industries Pvt Ltd
6d
Great to be in this innovation group, thanks to [Malin Petersen](#)
Like Comment

Malin Petersen
Programme Manager, International Collaboration at Sweden's Innovation Ag...
1w
Are you interested in Indo-Swedish cooperation on research and innovation? Welcome to join a webcasted meeting to get information and guidance on funding opportunities, upcoming events, intellectual property and more.
<https://lnkd.in/e-5VB7ZA>

318 members
Including Fredrik Hörstedt and 149 other connections



Invite connections

See all

About this group

Sweden India Innovation Initiative gathers innovation actors within industry, academia and government for exchange of information, coordination and joint projects. It is based on Swedish and Indian interests and strength, as well as interests of the private sector. By ...

See all

Admins

Malin Petersen · You **Owner**
Programme Manager,
International Collaboration at
Sweden's Innovation Agency,
Vinnova

Pär Pihlqvist · 1st **Owner**
Digital Communications at
Vinnova

Sarah Schulman
· 1st **Manager**
Country Manager- innovation &
research collaboration with

Agenda

- **Funding opportunities**
 - DST
 - Vinnova
- **Guidance concerning IP**
 - Swedish Intellectual Property Office
 - Remfry & Sagar India
- **Indo-Swedish research cooperation**
 - The Swedish Foundation for International Cooperation in Research and Higher Education
- **Upcoming events**
 - Office of Science and Innovation, New Delhi
 - Business Sweden in India
 - Vinnova





Funding within Circular Economy

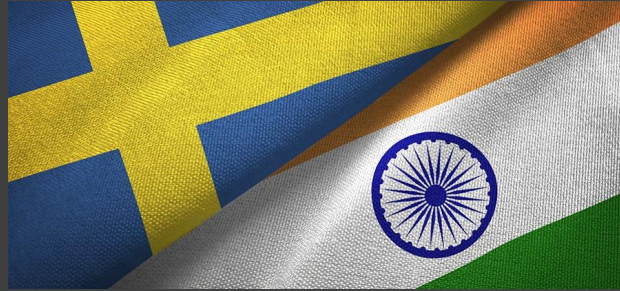
DR CHADARAM SIVAJI, DIRECTOR
INDIAN DEPARTEMENT OF SCIENCE AND TECHNOLOGY



FORMAS



Upcoming Indo-Swedish Call on Circular Economy



EU-Funding

DR NADINE SCHWEIZER

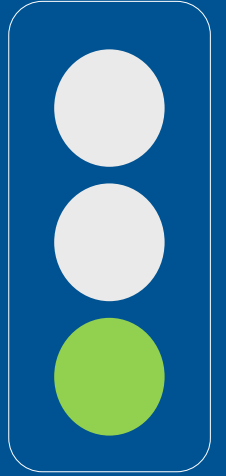
NATIONAL CONTACT POINT, HORIZON EUROPE

The global approach to research and innovation

Horizon Europe

Framework programme for research and innovation 2021–2027

The global approach to research and innovation



- Most Horizon Europe calls are open to participants from non-EU countries.
- Some (few!) exceptions:

“Participation from non-EU countries can be limited in order to safeguard the EU’s strategic assets, interests, autonomy or security. Limitations or conditions may also be applicable to the participation of legal entities established in an eligible country but which are controlled directly or indirectly by an ineligible country [Horizon Europe regulation article 22(5)].”
- Third country?
 - Not a EU member state
 - No association agreement signed

Horizon Europe

Missions

Pillar 1

Excellent Science

European Research Council

Marie Skłodowska-Curie
Actions

Research Infrastructures

Pillar 2

Global Challenges and
European Industrial
Competitiveness

Clusters

- Health
- Culture, Creativity and Inclusive Society
- Civil Security for Society
- Digital, Industry and Space
- Climate, Energy and Mobility
- Food, Bioeconomy, Natural Resources, Agriculture and Environment

Joint Research Centre

Partnerships

Pillar 3

Innovative Europe

European Innovation Council

European innovation
ecosystems

European Institute of
Innovation
and Technology

Widening Participation and Strengthening the European Research Area

Widening participation and spreading excellence

Reforming and Enhancing the European R&I system

Call Topic Identifier	Call Topic Title	Programme	Type of Action	Call Deadline	Targeted Country / Countries
HORIZON-CL2-2022-HERITAGE-01-06	Increase the potential of the international competitiveness of the European filmmaking industry	Cluster 2 Culture, Creativity and Inclusive Society	RIA	2022-04-20	Third Countries China India USA
HORIZON-CL6-2022-GOVERNANCE-01-01	Mobilisation of society to transform food systems for co-benefits	Cluster 6 Food, Bioeconomy, Natural Resources, Agriculture and Environment	CSA	2022-02-15	Third Countries
HORIZON-CL6-2022-GOVERNANCE-01-08	Uptake and validation of citizen observations to complement authoritative measurement within the urban environment and boost related citizen engagement	Cluster 6 Food, Bioeconomy, Natural Resources, Agriculture and Environment	IA	2022-02-15	Third Countries
HORIZON-CL6-2022-GOVERNANCE-01-09	Environmental observations solutions contributing to meeting “One Health” challenges	Cluster 6 Food, Bioeconomy, Natural Resources, Agriculture and Environment	RIA	2022-02-15	Third Countries

NCP



National EU-node



NCP

National contact points

Answers questions on Horizon Europe

Helps to find matching calls and topics

Legal and financial advice

Spreads information

Strategic advice

Information from SE system to EC
via NCP networks, experts and PC

Useful links

Information on Horizon Europe

[Vinnovas website on Horizon Europe \(HE\)](#) – overview on HE and contact details to NCPs

EC programme overview over [Horizon Europe](#)

[Funding and Tenders](#) – EC portal for calls for tenders, topics and application

ECs information on [Missions](#) and the [Mission Work programme](#)

ECs information on [European partnerships](#)

[Reference Documents](#) – rules, guides and templates for HE

Proposal writing

Recordings of EC seminars on writing a successful proposal for Horizon Europe

[24 march](#) (submission and evaluation)

[21 April](#) (impact)

[22 June](#) (How to prepare a successful innovation procurement proposal for Horizon Europe)

[28 Sept](#) (Funding & Tenders Portal Partner Search and person profile)

Networking and SME

[EUSME](#) – Swedish support office for small and medium-sized enterprises

[EEN Match](#) – European Enterprise Network matchmaking database (SME)

[Joint Research Centre](#)



Nadine Schweizer

Vinnova – Swedish Innovation Agency

National contact point for Horizon Europe Cluster 1 - Health

Horizon Europe Cluster 6 - Food, Bioeconomy, Natural resources, Agriculture and Environment

nadine.schweizer@vinnova.se

+46 8 473 30 99



Guidance Concerning Intellectual Property

MS ÅSA FOHLIN, PATENT EXAMINER
SWEDISH INTELLECTUAL PROPERTY OFFICE



Intellectual Property in Joint Innovation

Åsa Fohlin

7 October 2021

Intangible assets

DOMAIN NAMES

DESIGNS

TECHNOLOGY

COPYRIGHT

TRADE SECRETS

BUSINESS MODELS

IN-HOUSE DATABASES

SPECIALIST KNOWLEDGE

DOCUMENTATION OF WORK METHODS

KNOW-HOW

RESEARCH RESULTS

LICENCES

INVENTIONS

FRANCHISE AGREEMENTS

PATENTS

TRADEMARKS

PARTNERSHIP

AGREEMENTS

GOODWILL

etc.



Intellectual property rights

The **sole right** gives you the right to **hinder** others from commercially use an intellectual asset.

You **control** the usage of the intellectual asset you have created.

The intellectual property right is an **investment** and must be handled as such from day 1.

Trading abroad

- Territorial protection
- Deadlines
- Trademark
- What is protected already?
- Get help

Go to www.menti.com and use the code 8459 5112

 Mentimeter

Ask me anything

No questions from the audience!

Incoming questions will show up here so that you can answer them one by one.





Guidance Concerning Intellectual Property

MR PANKAJ SONI

PARTNER, REMFRY & SAGAR INDIA



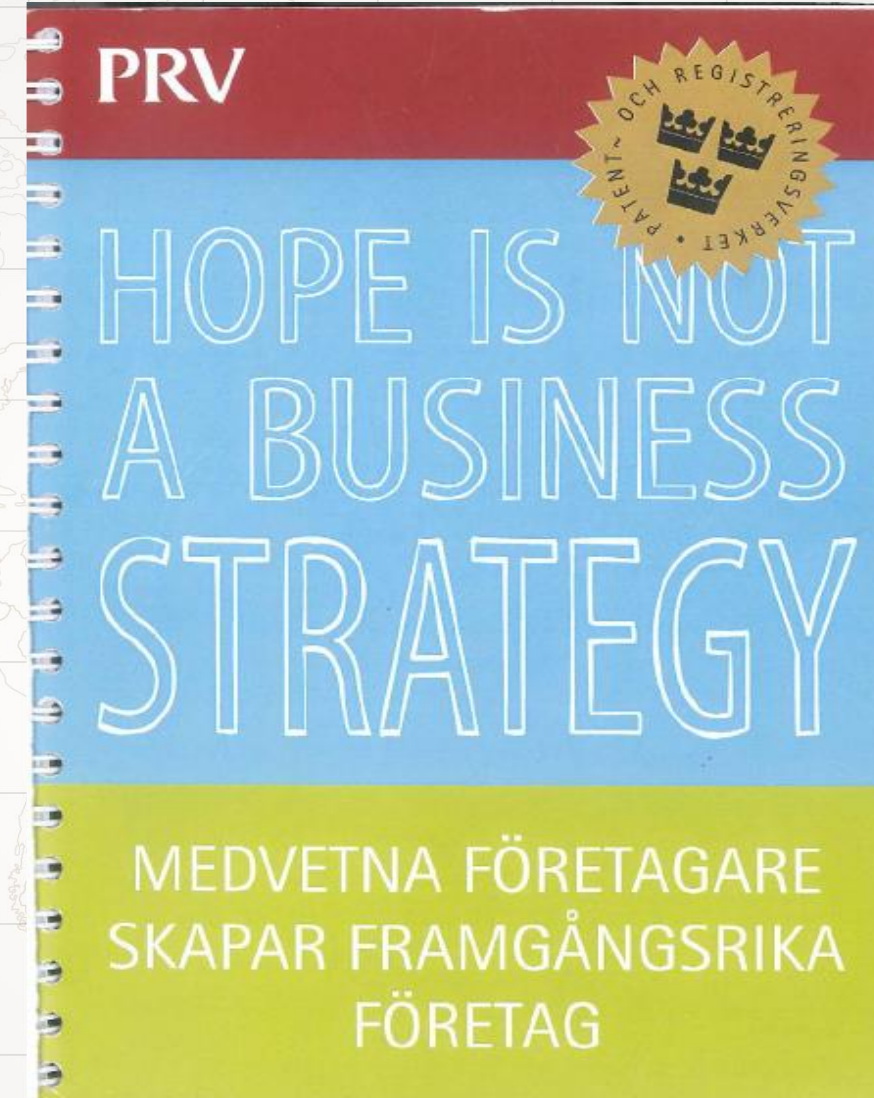
Remfry & Sagar
ATTORNEYS-AT-LAW

Guidance on Intellectual Property (in India)

Pankaj Soni
Partner

October 7, 2021

What's Your Strategy?



Develop your Intellectual Property (IP) Identity?



UNDERSTAND

IDENTIFY

CREATE

Develop your IP Identity?

UNDERSTAND

UNDERSTAND where you are

- ✓ What is your IP Strategy? (Strategy should have a timeline)
- ✓ Is there CXO level buy in? (Top-driven approach to IP)
- ✓ How much can you invest? (IP is an investment)
- ✓ What are the top challenges? (Competitor strengths)
- ✓ What is your core (technology) competence?

IDENTIFY

IDENTIFY where you want to be
Leader/Innovator)

(Should have a timeline)

(Market

(Follow, then lead)

CREATE

CREATE a plan to get there

- ✓ IP Policy
- ✓ IP Tools - Landscape analysis/White Space analysis
- ✓ Licensing/Collaboration Plans

Why India?

*Ranked 7th in the world
in terms of patent
filings at the IP Office*

(WIPO - World Intellectual Property Indicators 2020)

*Ranked 6th in the world
in terms of trade mark
filings at the IP Office*

(WIPO - World Intellectual Property Indicators 2020)

*Ranked 46th in the 2021
Global Innovation Index*

(GII Index 2021)

*Ranked 1st for export of
information &
communication
technology (ICT)
services.*

(GII Index 2021)

*Ranked 12th in
Graduates in science
and Engineering*

(GII Index 2021)

*Ranked 3rd in Domestic
market scale*

(GII Index 2021)

IP Filing Trends

Who Files Most In India – Origin of Non-Resident Applications

Rank	Patent* ~64%	Trade Marks* ~13%	Designs** ~32%
1	USA	USA	USA
2	Japan	China	China
3	China	Germany	Japan
4	Germany	United Kingdom	Republic of Korea
5	Republic of Korea	France	Germany

Source: *WIPO's World Intellectual Property Indicators 2021
 ** Intellectual Property India, Annual Report 2018-19

Parting Thoughts

Protect your assets - When you're inventing, intellectual property is invaluable.

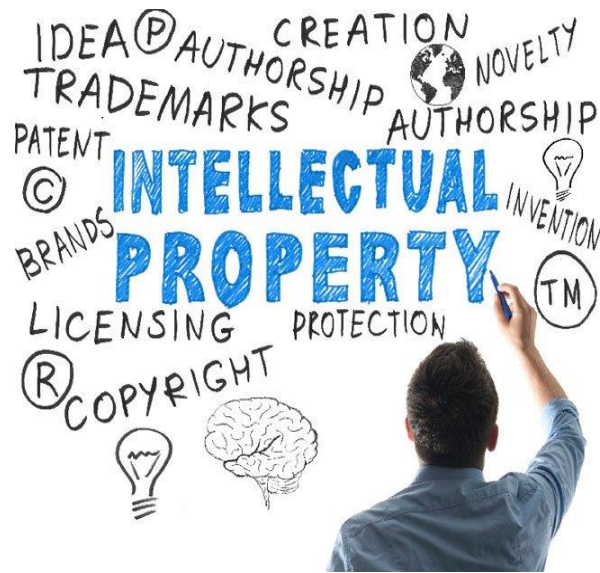


Image from:
https://static.careers360.mobi/media/article_images/2014/12/26/IPR-4.jpg

- ❑ <https://ipindia.gov.in/> - Office of the Controller General of Patents, Designs & Trademarks.
- ❑ PATENTS - Currently ~4 years from time of requesting examination (20 years)
 - ✓ Obtain a Foreign Filing License or First-File in India if the inventor is a “resident in India” – no opportunity to cure this defect
- ❑ TRADEMARKS - Currently 18-24 months for registration (10 + 10)
- ❑ DESIGNS - Currently 6-12 months for registration (10 + 5 years)



Remfry & Sagar

ATTORNEYS-AT-LAW

**Your Vision.
Our Expertise.**

TRADEMARK | PATENT | COPYRIGHT | DESIGN |
IP LITIGATION | PATENT LITIGATION |
GEOGRAPHICAL INDICATIONS | PLANT VARIETIES &
BIODIVERSITY | CORPORATE LAW

www.remfry.com

Go to www.menti.com and use the code 8459 5112

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Overview of Indo-Swedish research cooperation

DR ERIK FORSBERG

REPRESENTATIVE IN CHINA AND APAC

THE SWEDISH FOUNDATION FOR INTERNATIONAL COOPERATION IN
RESEARCH AND HIGHER EDUCATION

Overview of Indo-Swedish research cooperation

Erik Forsberg, Representative in China and APAC
Information meeting on Indo-Swedish cooperation | 2021-10-07



STINT

Stiftelsen för internationalisering av
högre utbildning och forskning

The Swedish Foundation for International
Cooperation in Research and Higher Education



STINT's New Country Reports

So far, 13 reports and 16 countries covered:

- Brazil
- Canada
- Chile
- China
- India
- Indonesia
- Japan
- Malaysia
- Kenya, Rwanda, Tanzania and Uganda
- South Africa
- South Korea
- United States of America
- Vietnam

Many more countries would be relevant to cover but these represent an interesting mix of countries with mature or emerging research, and existing or emerging networks with Sweden.



Country Report – India

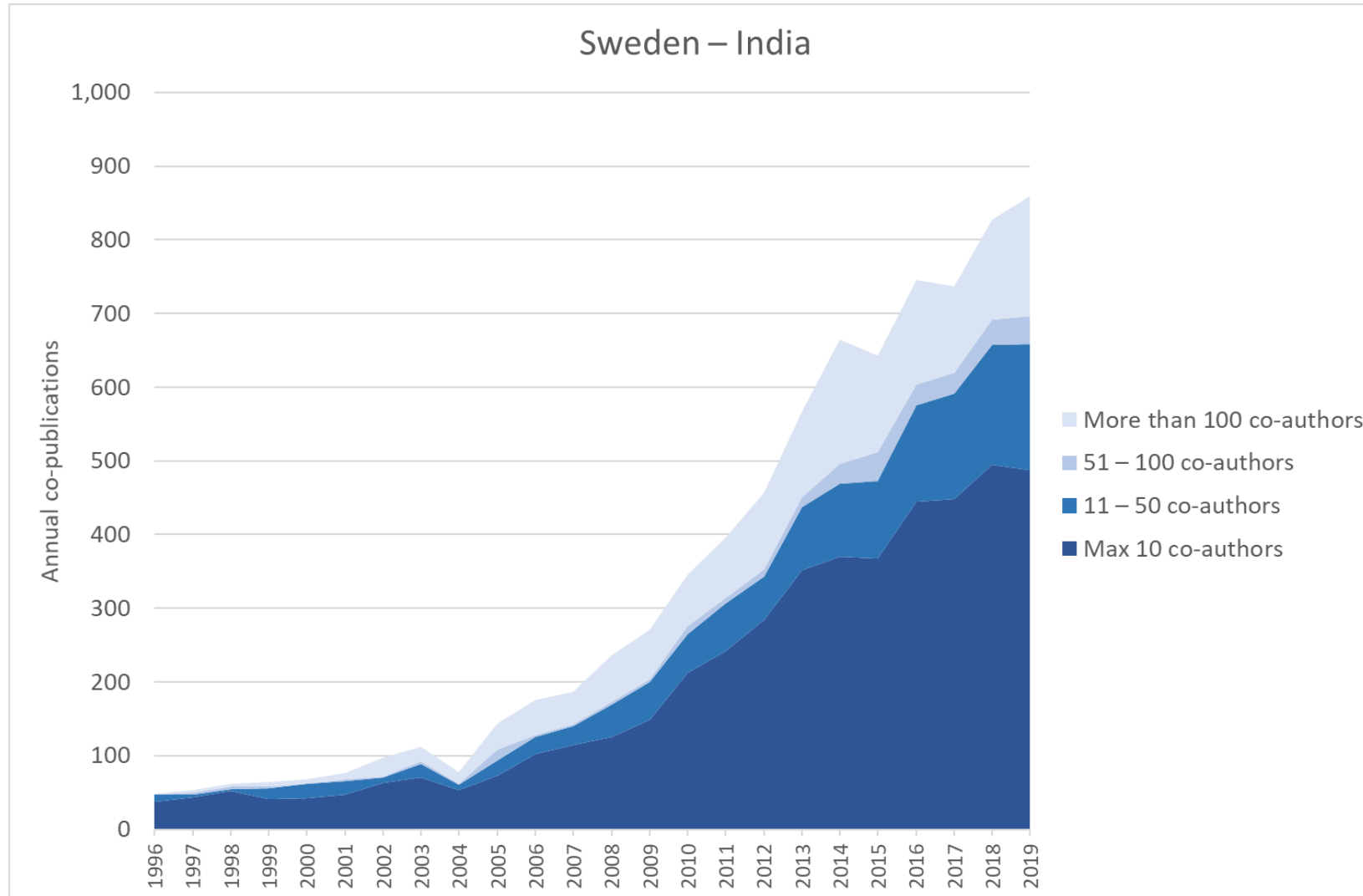


Selected Publication Indicators

Country	Annual publication volume (average)	Share of world	Annual volume growth 2015–2019	Citation impact	Share of int'l co-publ	Share of ac.-corp. co-publ.	Collaboration intensity with Sweden
		%	%	FWCI	FWIS	%	NCII ₁₀₀
United States	685,704	22.02%	0.9%	1.42	0.86	4.7%	74%
China	559,913	17.98%	8.7%	1.02	0.55	2.4%	47%
India	164,707	5.29%	6.5%	0.82	0.43	1.2%	55%
Japan	133,011	4.27%	1.0%	0.95	0.69	5.4%	70%
South Korea	85,265	2.74%	2.0%	1.05	0.69	4.5%	35%
Sweden	42,975	1.38%	2.2%	1.68	1.55	8.3%	n/a
Malaysia	32,636	1.05%	5.8%	1.01	1.06	1.5%	30%
Indonesia	24,572	0.79%	54.3%	0.92	0.58	0.7%	31%
Viet Nam	7,649	0.25%	24.9%	1.43	1.67	2.2%	40%
World	3,113,580	100.00%	2.8%	1.00	1.00	2.6%	n/a

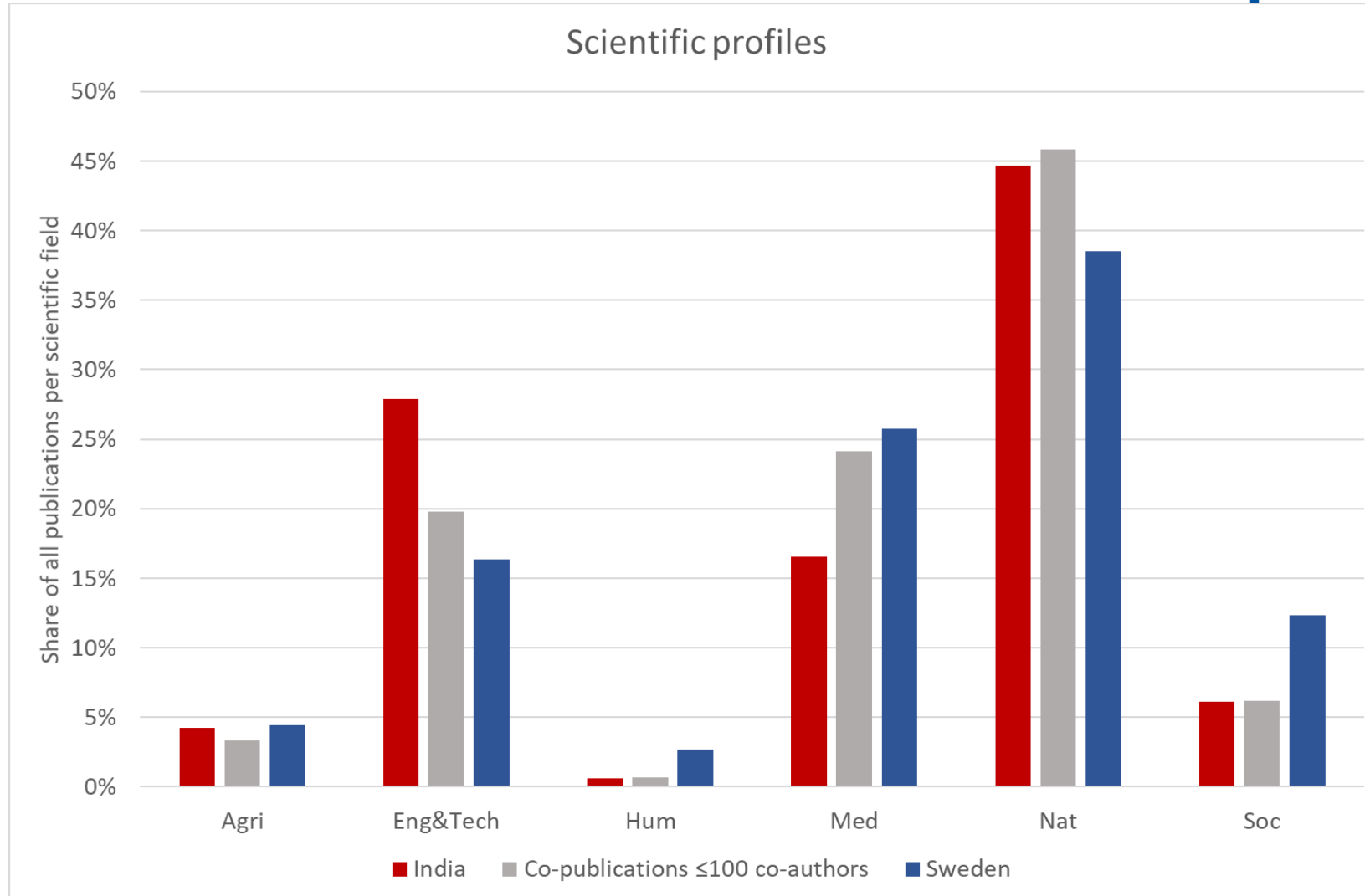


Research collaboration volume





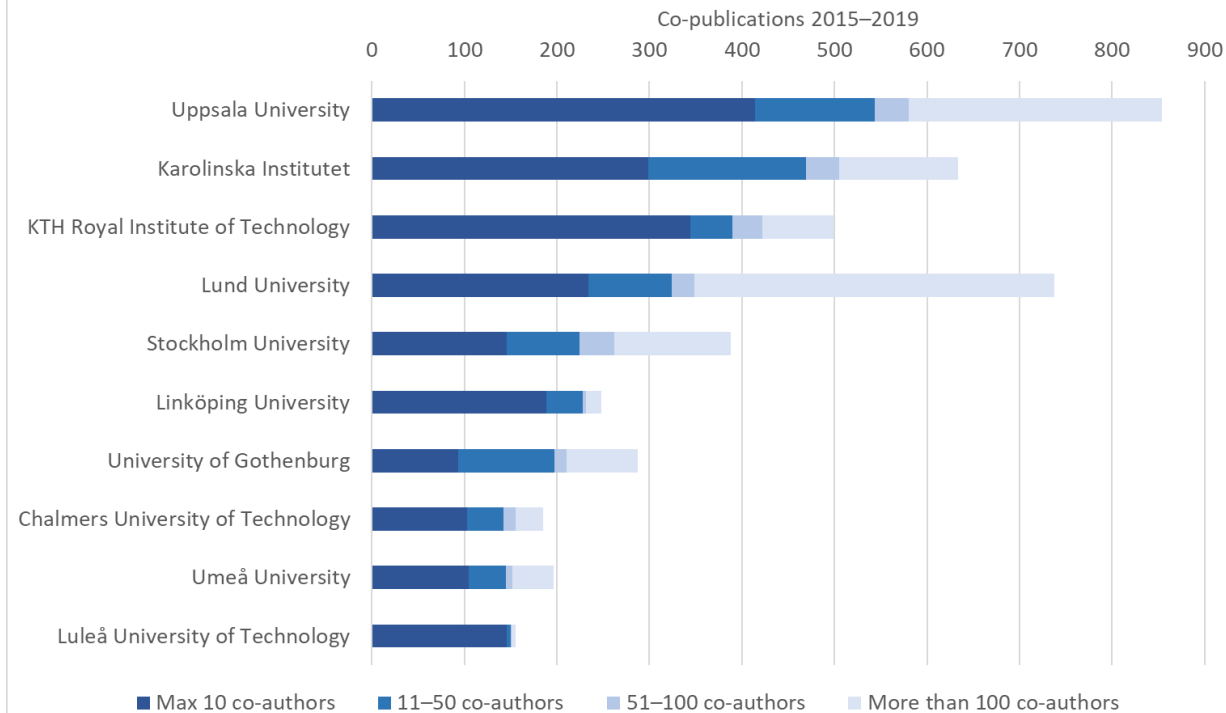
Distribution of collaboration across disciplines



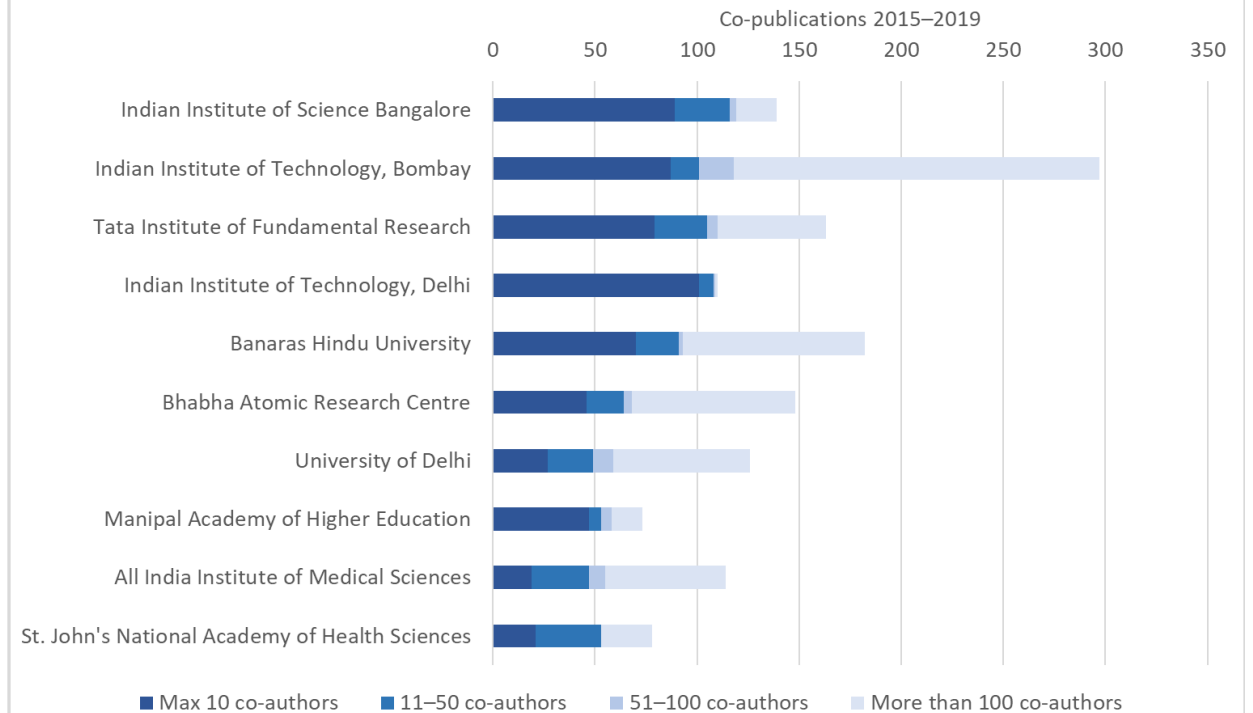


Most prolific collaborators

Co-publications with India



Co-publications with Sweden





Collaboration shares & collaboration matrix

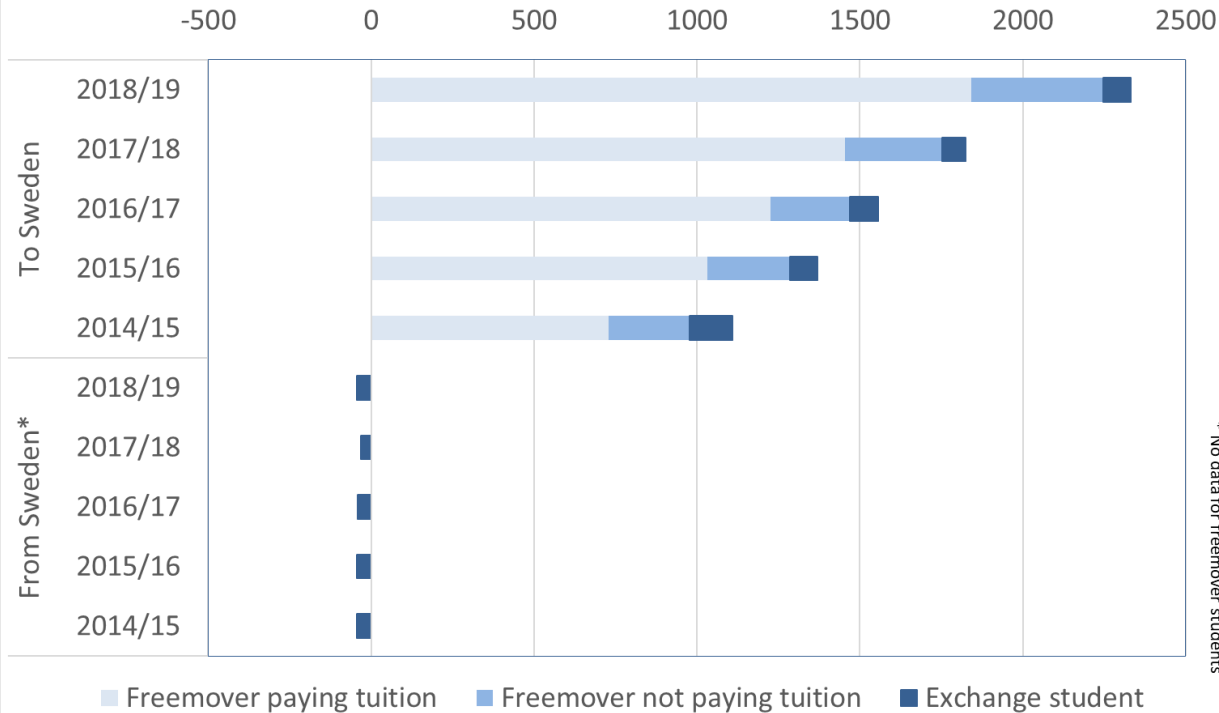
Institution	Co-publications with India (≤100 co-authors)	Share of all publications at the Swedish institution	FWCI
University West	45	5.2%	1.67
NORDITA	37	4.0%	1.13
Stockholm Environment Institute	21	3.1%	6.21
Luleå University of Technology	151	2.7%	1.75
Swedish Meteorological and Hydrological	12	2.0%	1.97
ABB Corporate Research	18	2.0%	1.31
University of Borås	20	2.0%	1.09
Uppsala University	580	2.0%	2.09
KTH Royal Institute of Technology	422	1.9%	1.64
Sandvik AB	7	1.8%	1.39
University of Gävle	22	1.8%	0.38
Linköping University	231	1.6%	1.88
Mälardalen University	39	1.6%	1.12
Swedish Museum of Natural History	20	1.5%	3.35
Royal Swedish Academy of Sciences	6	1.5%	63.34
Stockholm University	263	1.5%	3.49
Karolinska Institutet	508	1.4%	3.97
Swedish University of Agricultural Science	127	1.4%	2.09
University of Skövde	15	1.3%	0.72
Umeå University	151	1.2%	2.43

Publications 2015–2019 with up to 100 co-authors	Indian Institute of Science Bangalore	Indian Institute of Technology, Bombay	Tata Institute of Fundamental Research	Indian Institute of Technology, Delhi	Banaras Hindu University	Bhabha Atomic Research Centre	University of Delhi	Manipal Academy of Higher Education	All India Institute of Medical Sciences	St. John's National Academy of Health Sciences	With India
Uppsala University	39	26	12	22	37	12	9	6	11	12	580
Karolinska Institutet	5	3	8	6	11	13	10	29	23	21	505
KTH Royal Institute of Technology	39	27	36	29	3	7	3	9	1	-	422
Lund University	10	3	14	6	14	17	9	1	10	-	349
Stockholm University	16	14	37	4	3	6	4	2	2	-	262
Linköping University	9	5	-	8	3	2	2	15	-	3	231
University of Gothenburg	3	-	5	10	8	2	-	2	10	20	210
Chalmers University of Technology	7	3	16	12	2	5	3	-	-	-	155
Umeå University	-	-	-	2	3	-	1	-	1	-	152
Luleå University of Technology	-	16	-	1	11	1	3	1	1	-	151
With Sweden	119	118	110	109	93	68	59	58	55	53	3,118

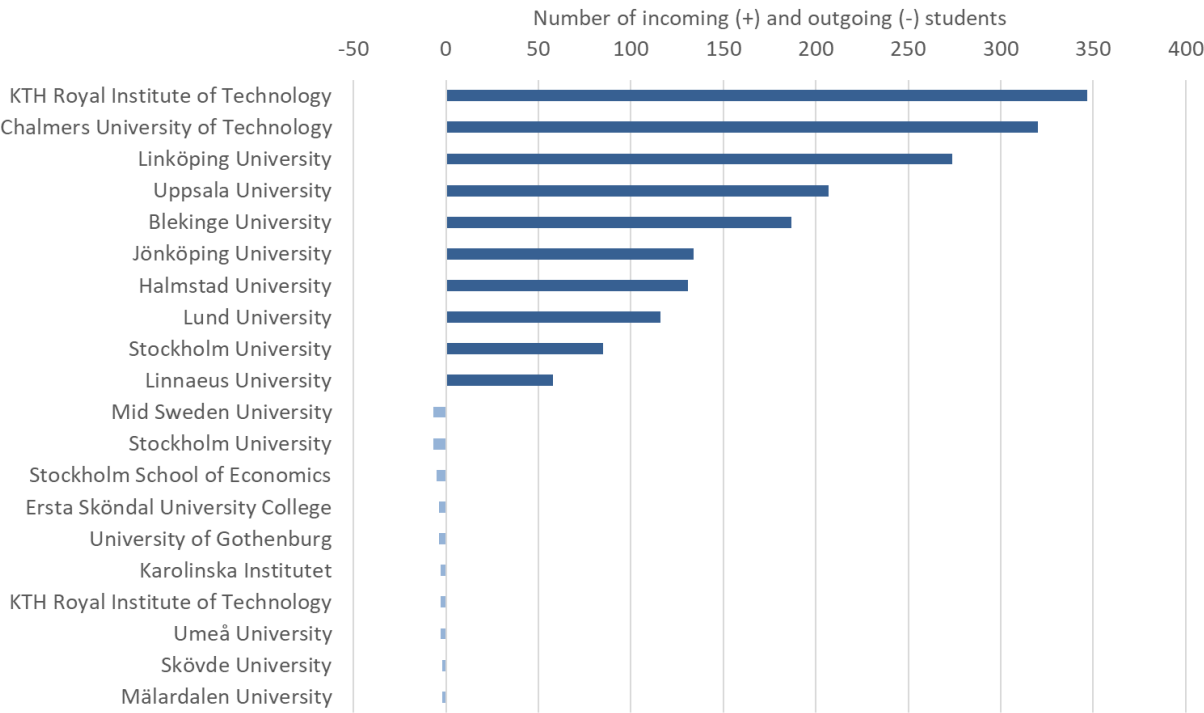


Student mobility

Students moving between India and Sweden



Students moving between India and Sweden 2018/19






Conclusion

Plenty of room for growth for Indo-Swedish research collaboration

”

Join us in Co-Creation for Innovation!

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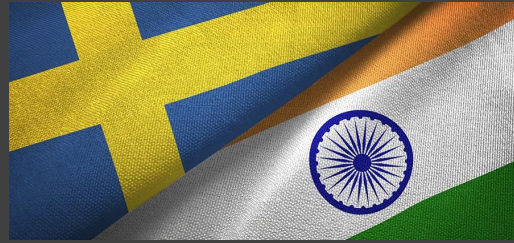
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Event calendar


– upcoming events in Indo-Swedish cooperation

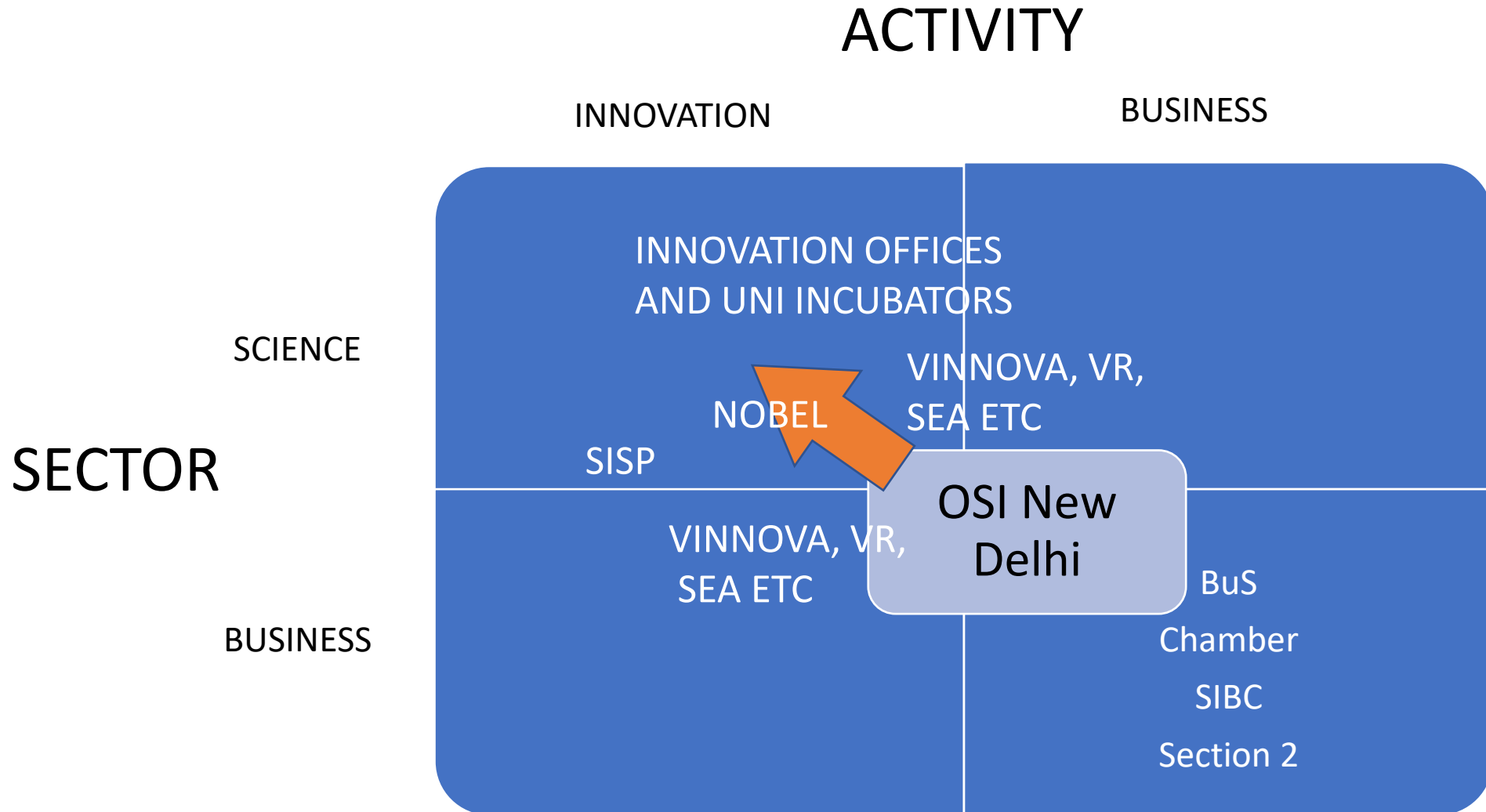
DR PER-ARNE WIKSTRÖM

SCIENCE AND INNOVATION COUNSELLOR

OFFICE OF SCIENCE AND INNOVATION

EMBASSY OF SWEDEN, NEW DELHI

 **Pioneer the possible**



- Sweden India Innovation partnership the foundation.
- Team Sweden focus
- Some unexplored areas

Per-Arne.wikstrom@gov.se



Event calendar

– upcoming events in Indo-Swedish cooperation

MS CECILIA OSKARSSON
TRADE COMMISSIONER
BUSINESS SWEDEN IN INDIA



Business Sweden Update – SIII

Oct 7th, 2021

At Business Sweden we work with multiple initiatives to drive the innovation goals of organizations

India-Sweden Healthcare Innovation Centre

Objective: Create an ecosystem of open innovation to drive growth of Swedish companies in India

Collaborators: AIIMS Delhi, AIIMS Jodhpur, Business Sweden

Key Partners: Ministry of health & Family welfare India, Ministry of health and social affairs Sweden, ICMR, AstraZeneca

Key Pillars



Impact Till date

500 +	14	1000 +	200 +
Applications	Startups	Reach	Mentoring hours

India-Sweden Innovation Accelerator

Objective: Recognized as the official program to expand research, innovation, and business cooperation under **India Sweden Joint Action Plan 2018**, signed by the Prime Ministers of India and Sweden.

Key Partners: The Swedish Energy Agency, CII, and Business Sweden

Key Segments Energy Power IoT Resources Water

Impact till date

55 +	200+	70 +
Swedish companies introduced to India	Projects	Local partnerships

Sustainability by Sweden Showroom India

Objective: A unique initiative to provide business development to Swedish Green SMEs

Key Partners: The Swedish Energy Agency and Business Sweden

Impact till date

120 +	12+	9+	23 +
Visitors	Business Collaborations	Workshop conducted	Subscriptions

Along with running focused initiatives we work with organizations to drive innovation partnerships

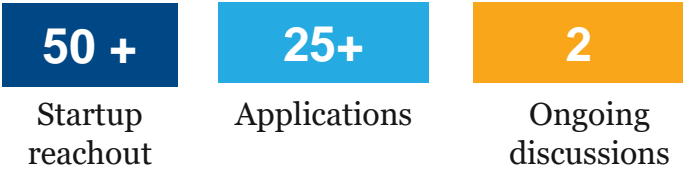
AstraZeneca’s Bio venture Hub – India

Objective: Identify innovative healthcare startups in India for collaboration with AstraZeneca and Bio venture hub

Focus areas:

- 1. Medical Devices
- 2. Quantum Computing
- 3. ECG
- 4. Continuous manufacturing

Outcome:



MobilityX lab - India

Objective: Identify mobility startups in India for collaboration with the partners of MobilityX lab

Focus areas:

- 1. In-cabin tech
- 2. Affordable AI
- 3. Electromobility
- 4. Sensor software innovation

Outcome:



ABB - US

Objective: Identify innovative solutions in US market for potential partnership with ABB electrification R&D teams

Focus areas:

- 1. Electrification

Other Partners:

- 1. Microsoft
- 2. SynerLeap, ABB’s global innovation growth hub

Outcome*:



* Overall impact numbers through the program

INDIA SWEDEN INNOVATION DAY



India Unlimited in association with the Embassy of India in Sweden, Sweden-India Business Council, Confederation of Indian Industry brings you the India Sweden Innovation Day 2021.

THEME: **ACCELERATING INDIA SWEDEN'S GREEN TRANSITION**

SWEDEN INDIA TECH COMMUNITY

INDUSTRY 4.0

INDIA-SWEDEN INNOVATIONS' ACCELERATOR

SWEDEN-INDIA INNOVATION PARTNERSHIP

INDIAN CONSUMER X FUTURE TECH

WORLD EXPO 2021

EDTECH

MOBILITY & ROAD SAFETY

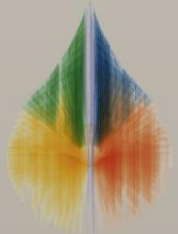
START-UP PITCHES

FIRESIDE CHATS

AI & DIGITALIZATION

ENERGY

HEALTH TECH



INDIAUNLIMITED^{co}
CONNECTING SWEDEN & INDIA

SAVE THE DATE. REGISTRATIONS ARE OPEN.
TUESDAY OCTOBER 26th 2021

08:00–16:00 (SWEDISH TIME), 11.30–19.30 (INDIAN TIME)
INNOVATION DAY WILL RUN FROM A LIVE STUDIO WITH DIGITAL
BROADCAST FOR AUDIENCES IN INDIA AND SWEDEN.

Leadership in AI and Digitalization
Data Science and Medicine
Autonomous Drive and ADAS
Digital Twins and Synthetic Data
Supporting Startups
India Sweden Health Innovation
Center



Sweden India AI & Digitalization Summit

17 November | 11.00 -21.00
Gothenburg, Sweden

WE NEED TO INNOVATE HOW WE INNOVATE

SWEDEN INNOVATION DAYS 17-20 JANUARY 2022



Join us at this four day digital conference
to address the Sustainable Development Goals together!

<https://swedeninnovationdays.se/>

17 January - Day 1

Missions to achieve the global goals

OUR MISSIONS

17 – 20 JANUARY 2022

PREVENTATIVE HEALTH AND WELL-BEING



Promoting measures that help all people to stay physically and mentally healthy

CO-CREATION FOR INNOVATION



Designing inclusive spaces offline and online that foster peaceful and democratic societies

CLIMATE NEUTRAL CITIES



Building sustainable, just and climate neutral cities

Thank you!



Vinnova.se



/Vinnova



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