



**FPNI Ph.D. Symposium
on Fluid Power**

OCTOBER 26-28 · FLORIANÓPOLIS-SC · BRAZIL 2016

Open innovation platform between Brazil and Sweden

Eduardo Nascimento, CISB – Swedish Brazilian
Research and Innovation Centre

ABOUT CISB



A non-profit Research and Innovation Association

focused on implementing Research, Technology and Innovation partnerships by:

- Exchanging technology and innovation with Sweden;
- Stimulating innovation locally and all around Brazil;
- Fostering synergy between Sweden, Brazil and others countries.



Main office in São Bernardo do Campo, SP



Synergy between Sweden & Brazil

Founded in 2011, inspired by the Swedish Science Parks and the principles of:

- *Challenge-Driven Innovation*
- *Triple Helix*
- *Open Innovation Arenas*

FOCUS AREAS



Aeronautic



Defense & Security



Sustainable Energy

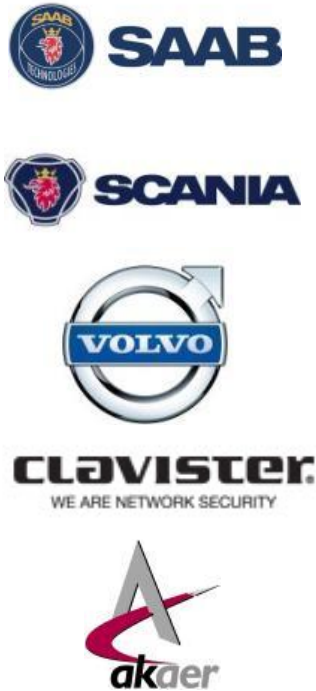


Transports & Logistics



Urban Development

Industry



Research Institute



Universities



CISB MAIN PARTNERS



More than 100 Partners since the inauguration!

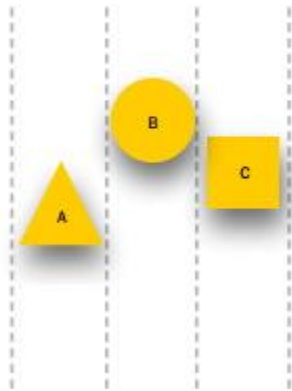
What is an Open Innovation Arena?



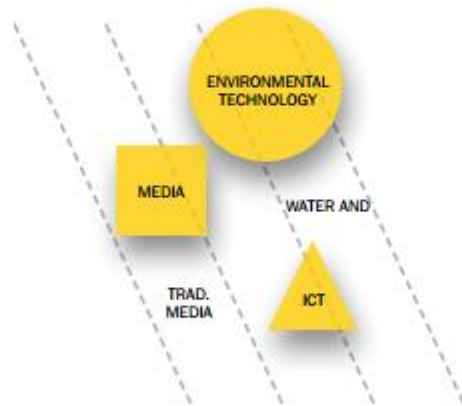
From Clusters to Open Innovation Arenas

“It’s the attitude that is important here: understanding, accepting and, as a result, exploiting the fact that boundaries are breaking down.”

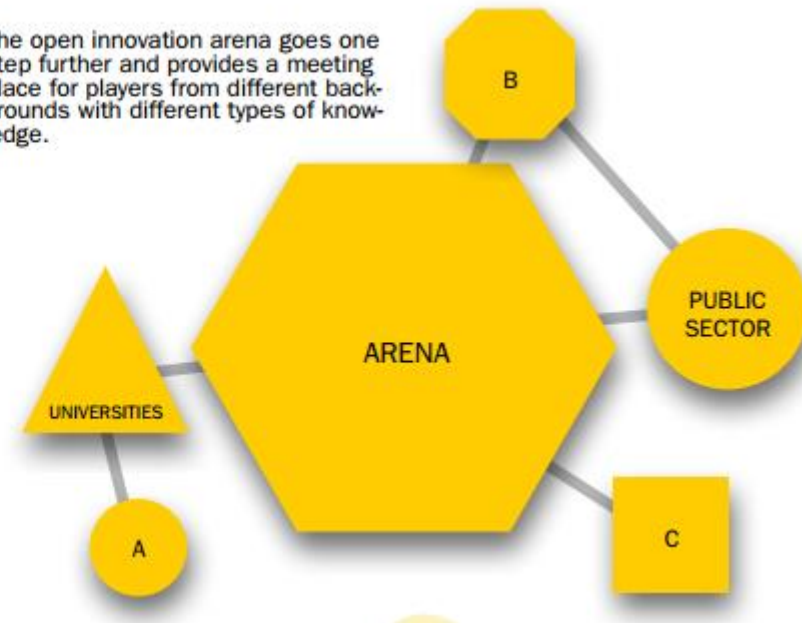
Traditionally, cluster theory was based on sectoral logic.



However, over time the boundaries have changed. Different industries have moved closer together naturally.

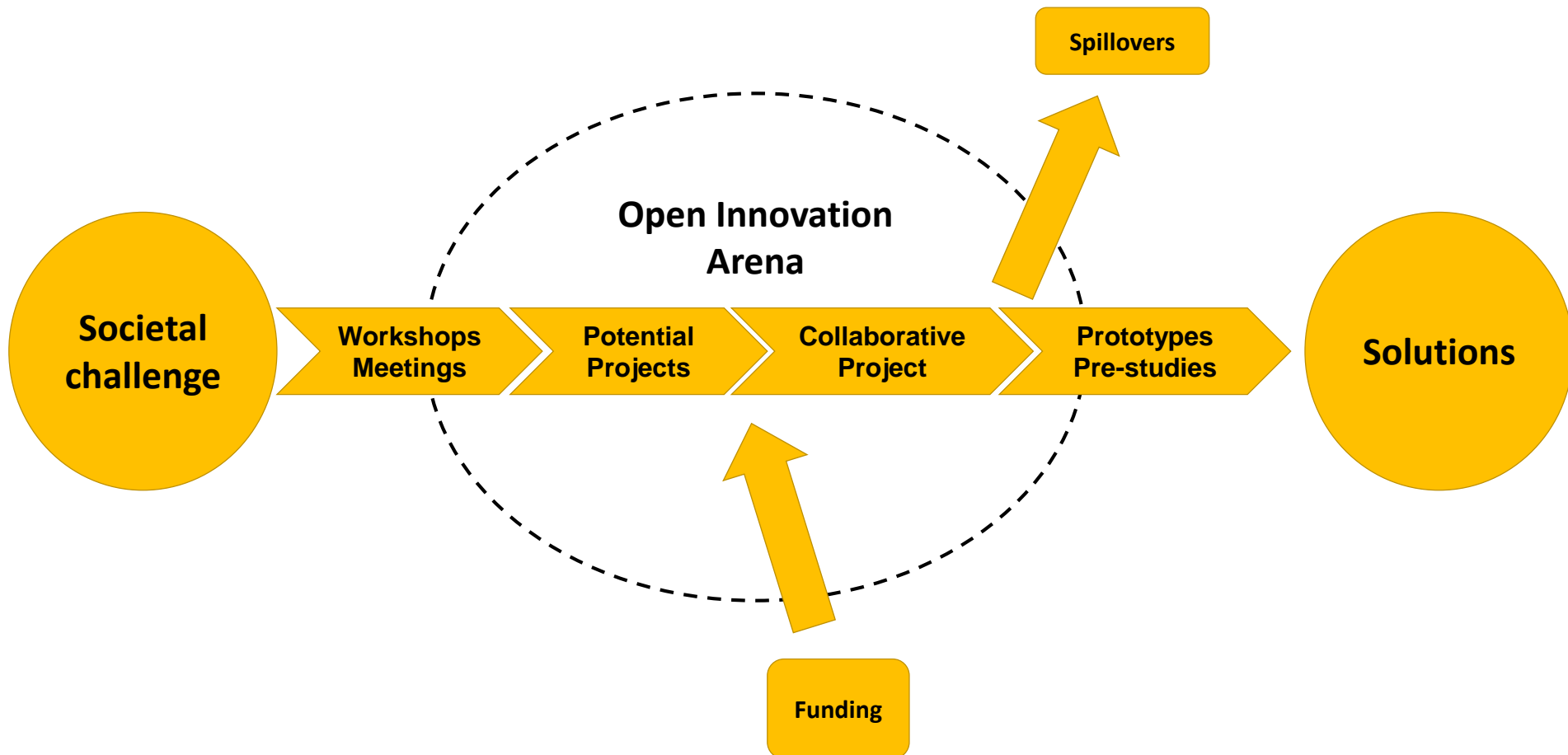


The open innovation arena goes one step further and provides a meeting place for players from different backgrounds with different types of knowledge.



Reference: *“Developing new Innovative areas and creative environments”*
Skåne Research and Innovation Council (FIRS) and Sounding Board for Innovation in Skåne (SIS), 2012

How CISB Open Innovation Arena Works



CISB as an Open Innovation Platform



CISB's Open Innovation Arenas



The experience in Aeronautics

Activities

Pre study on Aeronautics R&D in Brazil (Q1 2014)

Arena Launched in **November 2014**

Workshops

- 1st BR SWE Workshop in A&D (2014)
- Composites & Manuf. Workshop (2014)
- VIP Round Table Aeronautics (2015)
- 2nd and 3rd BR SWE Workshop in A&D (2015)
- Seminar in Aeronautics; Workshop SENAI Vinnova and Workshop in Autonomous Systems (2016)
- 4th BR SWE Workshop in A&D (2016) in Sweden

CISB Calls of Innovation Projects

- Support missions for International Collaboration
- Senior Internship Abroad
- Support for events in Sweden

Program: CNPq-CISB-Saab – Joint Call for Projects

- Brazilian Guest Research in Sweden: PDE and SWE

Swedish Open Innovation Learning Week in A&D (2015)

Program: Endowed Professor Chair

- Swedish Professors to work with bilateral research projects, joint-education and cooperation BR SWE

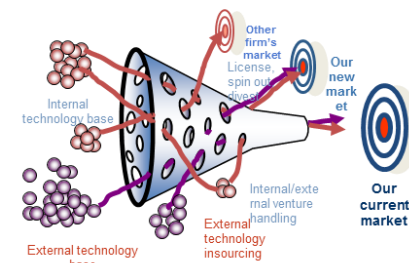
Matchmaking support; **Virtual meetings** in order to guarantee **project** creation; **Funding** monitoring

Partners

- 28 partners in total:
 - **Bilateral collaboration:** 11 from Sweden and 17 from Brazil
 - **11 industries** and **17 universities** and/or research institutes



Project Portfolio

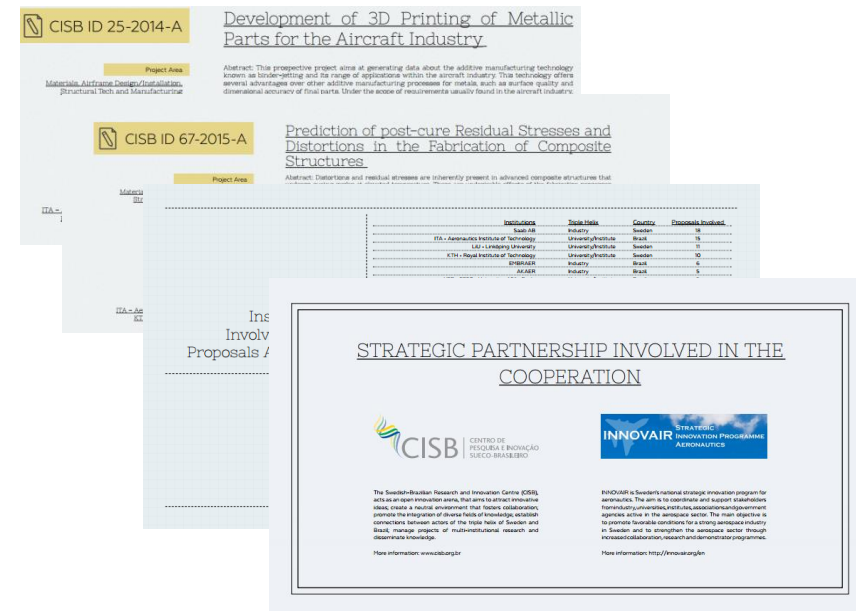
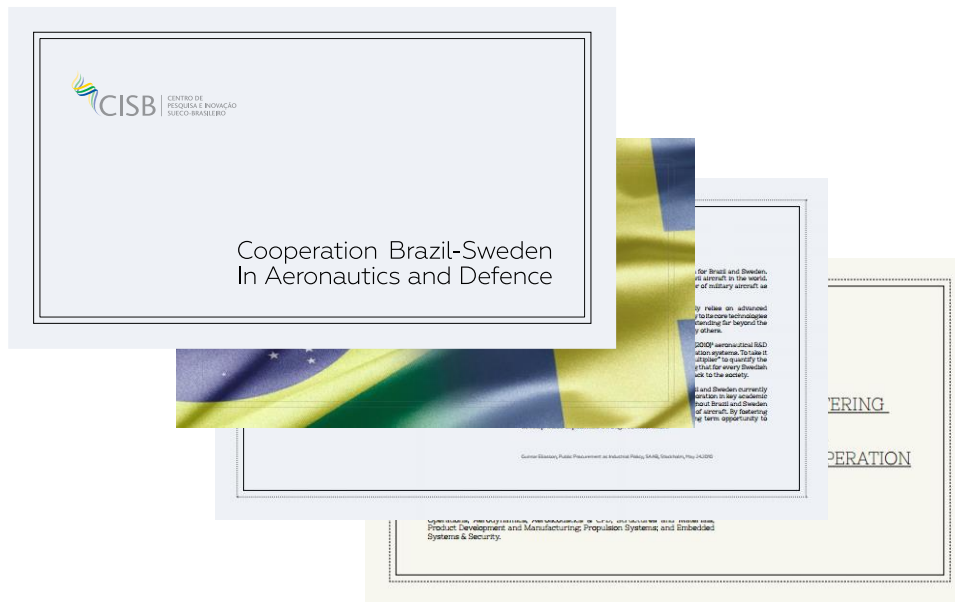


- Around **50** ideas generated since Arena launched
- **28** projects in the project portfolio*:
 - 14 projects with both Brazilian and Swedish funding and ongoing activities
- **11** Guest researchers are developing projects in Sweden in 2016 and 1 will start in 2017 (CNPq-CISB-Saab 4thCall)
 - 8 of them are developing projects of CISB's portfolio in A&D

*More info about projects: www.cisb.org.br

The experience in Aeronautics

DISSEMINATION through specific FOLDER*



*Folder Rev 1 June 2016 available at www.cisb.org.br

Other CISB Initiatives



CNPq-CISB- Saab Partnership



- 100 scholarships offered by Saab;
- 35 Brazilian Guest Researchers approved;
- **Collaborative Platform** for interaction between Swedish and Brazilian researchers;
- Saab has built a strong **network** for research collaboration through this exchange program.
- Relevant number of Universities involved in Brazil: 18 in total



Other activities

- **Study in Sweden Brazilian Roadshow**
Top Swedish Universities in Brazil organized by CISB
- **Sweden Brazil Challenge**
Initiative developed in partnership with its members aiming to promote Sweden for Brazilian students, specially undergraduates:
www.swedenbrazil.com
- **Articulation** in order to create conditions for **agreements** between SwE Br: university-university or university-industry and Members (double degree, internships, etc..)



CISB ANNUAL MEETING

CISB is an innovation platform that promotes a yearly meeting which offers a unique opportunity to Swedish and Brazilian organizations to **create bridges** and **strengthen** the innovation & research **network** between countries.

CISB Annual Meeting is composed by activities based on its **initiatives** that involve its **members** and **partners** to present results, promote **new collaborations** and to create a **neutral environment** that certainly benefits all the parts.

In its 5th edition held on November, 2015, the activities were organized in partnership with different institutions and divided in the categories such as Workshops, Dialogue, Study Visits, Summits and Project Meetings that took place in many cities.



CISB 6th Annual Meeting - Agenda

<p>Week 41 Sweden</p>	<ul style="list-style-type: none"> • Inovathon Scania: Logistic Challenges (October 8 and 9), Sao Bernardo do Campo • Bilateral Aeronautics Committee meeting (October 10), Stockholm • Aerospace Technology 2016 congress (October 11 and 12), Stockholm • 4th Brazilian Swedish workshop in Aeronautics & Defence (October 13), Linkoping • Project meeting Aeronautics (October 10), Stockholm and (October 14), Linkoping • Workshop in System Engineering, (October 14), Linkoping 
<p>Week 42 Brazil</p>	<ul style="list-style-type: none"> • Seminar Innovation in Defence – How to accelerate the transformation, in partnership with Army DCT and PCTGE (October 18 and 19), Sao Paulo • Summit Brazilian Swedish Aeronautics & Defence Cooperation (October 20), Sao Jose dos Campos • Swedish Universities Brazilian Roadshow 2016 (from October 20 to October 28), Curitiba, Florianopolis, Rio de Janeiro, Belo Horizonte, Brasilia, Santo Andre and Campinas; 
<p>Week 43 Brazil</p>	<ul style="list-style-type: none"> • 3rd Workshop on Innovative Engineering for Fluid Power - co-organizer (October 25-26), Florianopolis • Project meeting Smart city concepts in Curitiba (October 25-26), Curitiba • AIMDay follow up meeting (October 26), Belo Horizonte 

CISB Team





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Managing Director



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Institutional Relations &
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Eduardo Nascimento
Project Portfolio



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