Open innovation platform between Brazil and Sweden

Eduardo Nascimento, CISB – Swedish Brazilian Research and Innovation Centre
ABOUT CISB
CISB AT A GLANCE

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

- **Challenge-Driven Innovation**
- **Triple Helix**
- **Open Innovation Arenas**
# CISB MEMBERS

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<tr>
<th>Industry</th>
<th>Research Institute</th>
<th>Universities</th>
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<td>SAAB</td>
<td>Innventia</td>
<td>Chalmers</td>
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<td>Scania</td>
<td>Fraunhofer-Chalmers Research Centre Industrial Mathematics</td>
<td>Linköping University</td>
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<td>Volvo</td>
<td>SP</td>
<td>Högskolan i Halmstad</td>
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<td>Clavister</td>
<td>SENAI</td>
<td>Luleå University of Technology</td>
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<td>Aker</td>
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<td>Lund University</td>
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Iniciativa da CNPq - Confederação Nacional da Indústria

Open innovation platform between Brazil and Sweden
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.”

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

Societal challenge

Workshops Meetings

Potential Projects

Collaborative Project

Prototypes Pre-studies

Open Innovation Arena

Solutions

Funding

Spillovers
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)
- Seminar in Aeronautics; Workshop SENAI Vinnova and Workshop in Autonomous Systems (2016)

**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


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 4th Call)
  - 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
Exchange Program

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 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.
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<tr>
<th>Week 41</th>
<th>Sweden</th>
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<tr>
<td>• Inovathon Scania: Logistic Challenges (October 8 and 9), <strong>Sao Bernardo do Campo</strong></td>
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<td>• Bilateral Aeronautics Committee meeting (October 10), <strong>Stockholm</strong></td>
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<td>• Aerospace Technology 2016 congress (October 11 and 12), <strong>Stockholm</strong></td>
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<td>• 4th Brazilian Swedish <strong>workshop</strong> in Aeronautics &amp; Defence (October 13), <strong>Linkoping</strong></td>
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<td>• <strong>Project meeting</strong> Aeronautics (October 10), <strong>Stockholm</strong> and (October 14), <strong>Linkoping</strong></td>
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<td>• <strong>Workshop</strong> in System Engineering, (October 14), <strong>Linkoping</strong></td>
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<th>Week 42</th>
<th>Brazil</th>
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<td>• <strong>Seminar</strong> Innovation in Defence – How to accelerate the transformation, in partnership with Army DCT and PCTGE (October 18 and 19), <strong>Sao Paulo</strong></td>
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<td>• <strong>Summit</strong> Brazilian Swedish Aeronautics &amp; Defence Cooperation (October 20), <strong>Sao Jose dos Campos</strong></td>
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<td>• Swedish Universities Brazilian <strong>Roadshow</strong> 2016 (from October 20 to October 28), <strong>Curitiba, Florianopolis, Rio de Janeiro, Belo Horizonte, Brasilia, Santo Andre and Campinas</strong>;</td>
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<th>Week 43</th>
<th>Brazil</th>
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<tr>
<td>• 3<strong>rd Workshop on Innovative Engineering for Fluid Power</strong> - co-organizer (October 25-26), <strong>Florianopolis</strong></td>
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<td>• <strong>Project meeting</strong> Smart city concepts in Curitiba (October 25-26), <strong>Curitiba</strong></td>
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<td>• AIMDay follow up meeting (October 26), <strong>Belo Horizonte</strong></td>
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CISB Team
CISB Team

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