



**3<sup>rd</sup> Brazilian Swedish  
Workshop in Aeronautics  
and Defence**

**November 12<sup>th</sup>, 2015**

# CISB Aeronautics Committee Background and Plans

WS3 in Aeronautics and Defence  
Sao José dos Campos  
12 Nov, 2015

Mats Olofsson  
Committee Chairman

# Background (1)

- During the ITA/CISB 2<sup>nd</sup> Brazilian Swedish Workshop in Aeronautics and Defence in May 2015, one main focus for the strategic discussions (performed in a specific Strategy Session) was to establish a coordinating CISB Aeronautics Committee and to agree upon guidelines to further develop the cooperation.
- It was decided to start early as a small “task force committee”, to outline further work and committee structure, waiting for formal commitment.
- The provisional committee held a first meeting as a Tele conference on 23 June, followed by a meeting in Stockholm, Sweden, on 11 September. Meeting minutes were written and distributed from both these meetings. The third meeting was performed yesterday (11 November), now as a formalized group.



## Participants in meetings related to the CISB Aeronautics Committee work 2015

Country	Actor	WS2 Strategy Group Meeting 28-29 May	Meeting #1 Committee Tele Conf 23 Jun	Meeting #2 Committee Meeting 11 Sep	Meeting #3 Committee Meeting 11 Nov	Committee Member
BR/SE	CISB	X	X	X	X	Chairman
BR	DCTA	X		X	X	X
	BR AF					X
	Embraer	X	X	X		X
	Akaer	X	X	X	X	X
	ITA	X	X	X	X	X
	USP Sao Carlos			X	X	X
	FINEP	X				Adjunct
	SENAI	X	X			Adjunct
	New 1					?
	New 2					?
SE	Innovair		X	X		X
	SW AF				X	X
	FMV				X	X
	Saab	X	X	X	X	X
	GKN					X
	LiU	X		X	X	X
	KTH		X	(X)	X	X
	Chalmers		X			-
	Vinnova					Adjunct
	New 3					?
	New 4					?



## Background (2)

- At the May Strategy Session, a draft Roadmap was shown and discussed.
- One week before, during the visit by the Swedish Minister of Enterprise and Innovation, it had been decided to form a High Level Group in Aeronautics.
- The first formal meeting of this HLG was held during the visit to Sweden by the Brazilian President on 19 October.
- In the preparations for the establishment it was suggested that the CISB Aeronautics Committee should be tasked as a working group to the HLG.



# The establishment of a High Level Group on Aeronautics

From the **BRAZIL-SWEDEN STRATEGIC PARTNERSHIP NEW ACTION PLAN** (agreed 19 Oct, 2015):

The High-level Group on Aeronautics, established during the Joint Committee on Economic, Industrial and Technological Cooperation held in Brasília on 21 May 2015, is a sign of the shared ambition to further broaden bilateral cooperation on aeronautics to cover both civilian and military projects. The High-level Group on Aeronautics held its first meeting on the occasion of President Dilma Rousseff's visit to Sweden, on 19 October 2015.



Brazilian-Swedish Cooperation in Aeronautics



## From the Meeting Minutes (draft) 19 Oct High Level Group on Aeronautics

During the Brazilian-Swedish Joint Committee on Economic, Industrial and Technological Cooperation held in Brasília on 21 May 2015, Brazil and Sweden agreed to establish a High-Level Group (HLG) on Aeronautics, at Deputy Minister level, in order to broaden and extend the strategic collaboration in the field of Aeronautics. The HLG, formed under the additional protocol on innovative high industrial cooperation from 2009, is a sign of the **shared ambition to develop and deepen the bilateral cooperation in Aeronautics, not only regarding military projects, but, regarding civil and dual use projects as well.**



# From the Meeting Minutes (draft) 19 Oct High Level Group on Aeronautics (continued)

During the HLG meeting on 19 October, Brazil and Sweden jointly agreed to:

Appoint two contact points for the HLG. Initially these positions will be held by:

Swedish contact point: Oscar Stenström, state secretary

Brazilian contact point: Jose Augusto Crepaldi Affonso, Brigadeiro-do-Ar, MoD

**Establish a Working Group under the HLG consisting of targeted persons from both countries, using the established CISB Aeronautics committee in this regard.**



# From the Meeting Minutes (draft) 19 Oct High Level Group on Aeronautics (continued)

During the HLG meeting on 19 October, Brazil and Sweden jointly agreed to:

**Set up meetings for the joint Working Group in order to develop a Working Plan detailing project specifications (thus outlining goals, processes and methods for continued cooperation on both civil and military matters) and propose appropriate joint financing mechanisms.**

Hold a second meeting of the HLG in Q4, 2016. **In good time beforehand, the Working Group shall report the outcome of its work, such that it can be discussed and decided upon during this second HLG meeting.**





# Bilateral Aeronautics R&D Coordination

(expected formation)

## The High Level Group

Chaired by hosting nation

### BR

Executive Secretary, relevant Ministry 1 (BR chair)

Executive Secretary, relevant Ministry 2

Chief of the Air Force

Head of DCTA

President of FINEP

CEO of Embraer Defence & Security

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YY

### SE

State Secretary, Min of Enterprise and Innovation (SE chair)

State Secretary, Min of Defence

Chief of the Air Force

Director General of FMV

Director General of Vinnova

CEO of Saab

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+ Program Manager of Innovair (Rapporteur)

## The Aeronautics Committee

Chaired by CISB

### BR

Representative of DCTA

Representative of Air Force

Representative of Embraer

Representative of Akaer

Representative of ITA

Representative of USP Sao Carlos

Representative of FINEP (Adjunct)

Representative of SENAI (Adjunct)

### SE

Representative of Innovair

Representative of Air Force

Representative of FMV

Representative of Saab

Representative of GKN

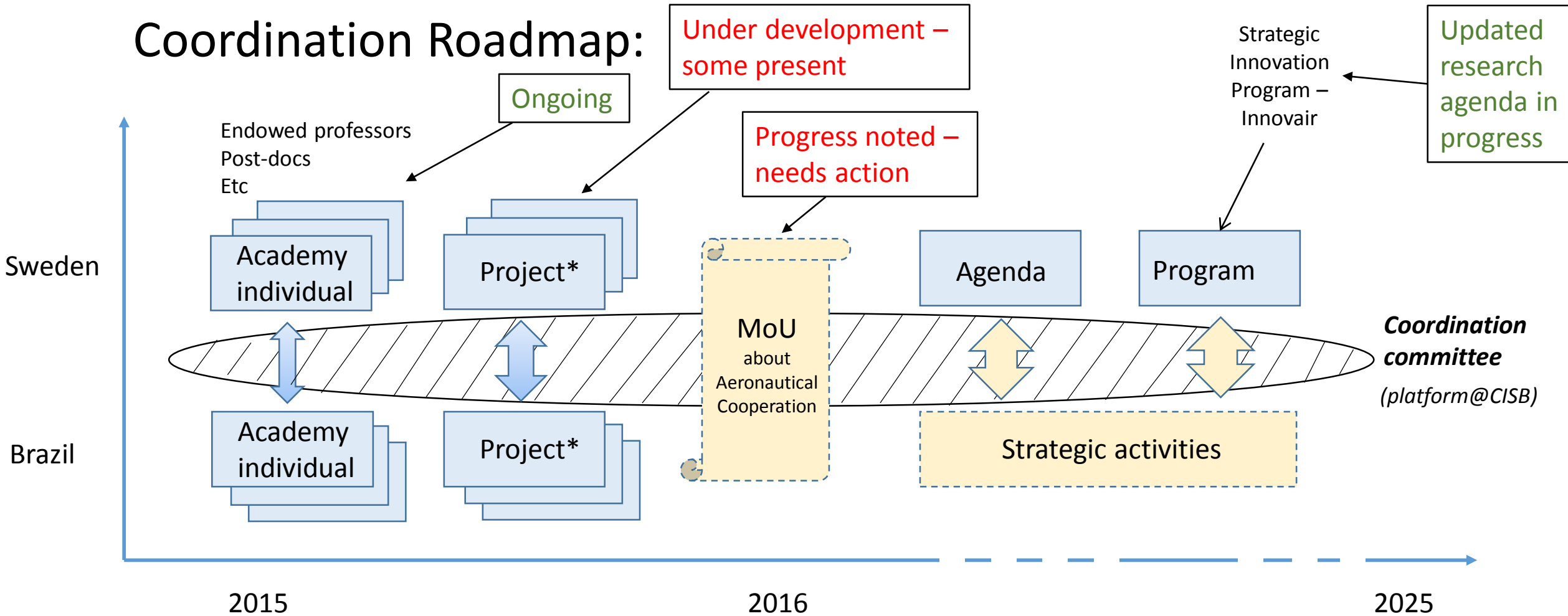
Representative of Linköping University

Representative of KTH

Representative of Vinnova (Adjunct)



# Coordination Roadmap:



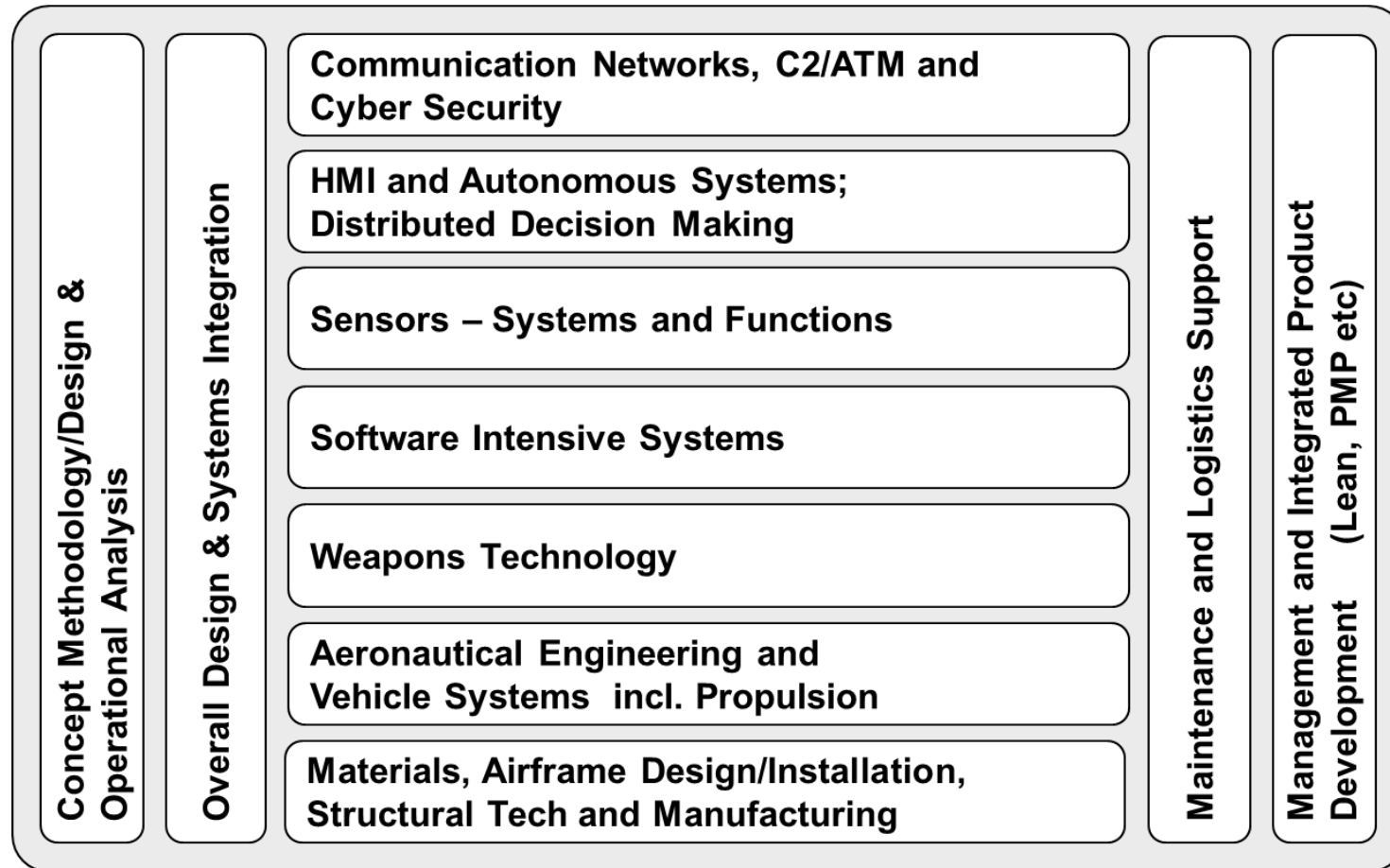
\*) Project activities should continue over time and eventually encompass the complete TRL-scale, from research and technology development, via technology demonstrators all the way to more mature demonstrators and finally products



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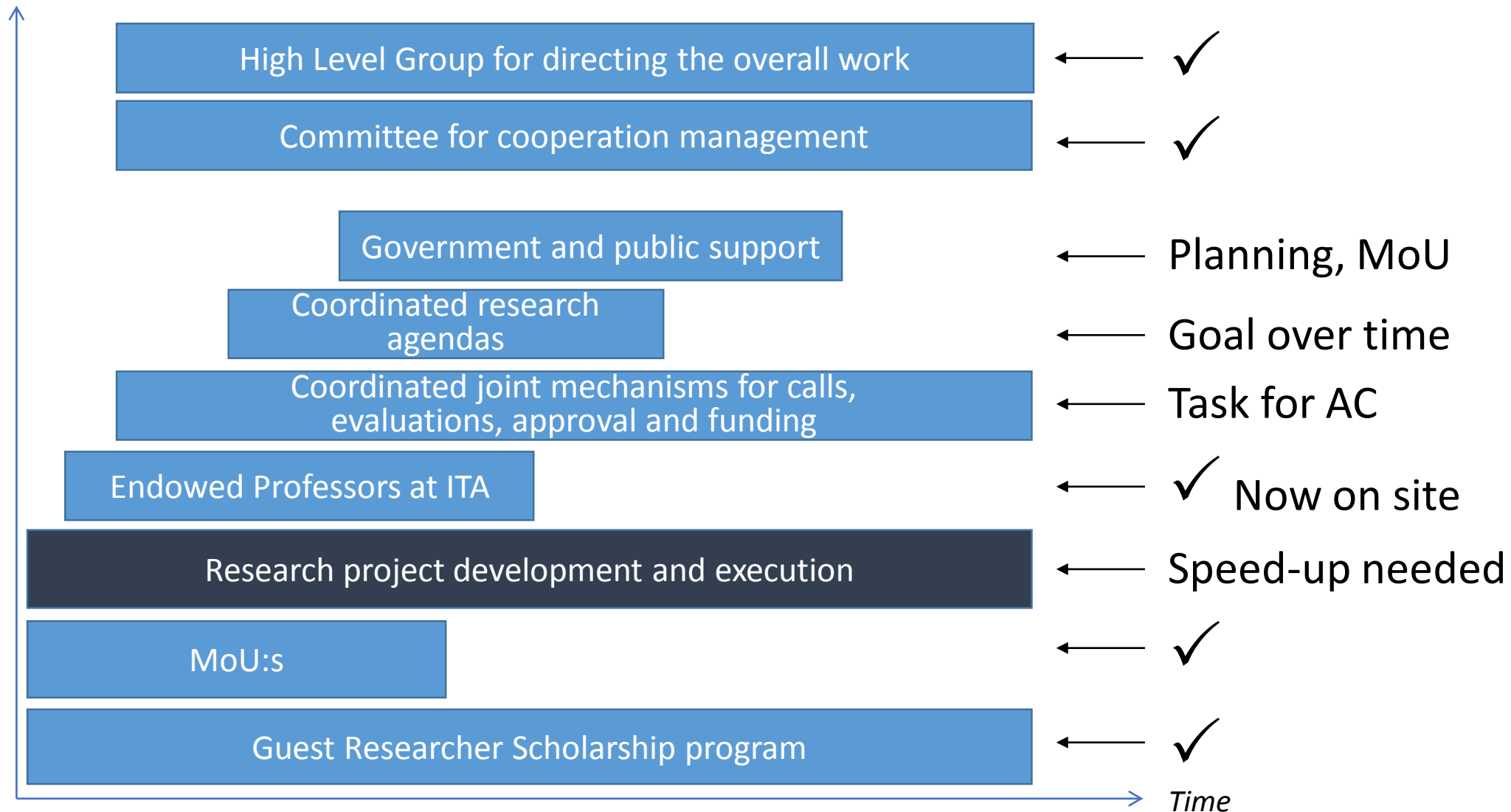
# Suggested structure of the R&D project areas



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# Activities – Summary



High Level Group  
for Brazilian-Swedish  
Aeronautics R&D



### The CISB Aeronautics Committee

Draft solutions  
for high-level  
group tasks

Research projects  
portfolio 30 project

Swedish Endowed  
Professor Chair at  
Brazilian Aeronautics  
Institute of Technology

Coordinate  
Swedish Brazilian  
aeronautical R&D  
guided by HLG

Initiated projects  
using ongoing /  
financed projects

Annual Workshops  
Research Networks

Coordinate joint  
calls, evaluations,  
approvals and  
funding

Building institutional  
relations between  
SE-BR stakeholders

Guest Researcher  
Scholarship &  
Exchange programs



Activities

Activities

Activities

Activities

Activities

There is now an intention  
to consolidate this into  
two “sub working groups”



## Brazilian-Swedish Cooperation in Aeronautics



# Plan for the Aeronautics Committee – what to do

- Develop a Working Plan for the upcoming year(s) – objectives, structure, scope etc.
- Get the HLG members formally appointed and engaged, in both countries
- Get individuals appointed from all member organizations, for the Aeronautics Committee
- Start working straight on – in designated small groups – in the most urgent fields, in order to deliver the expected results to the HLG
- Produce tangible results from all fields of the Aeronautics Cooperation

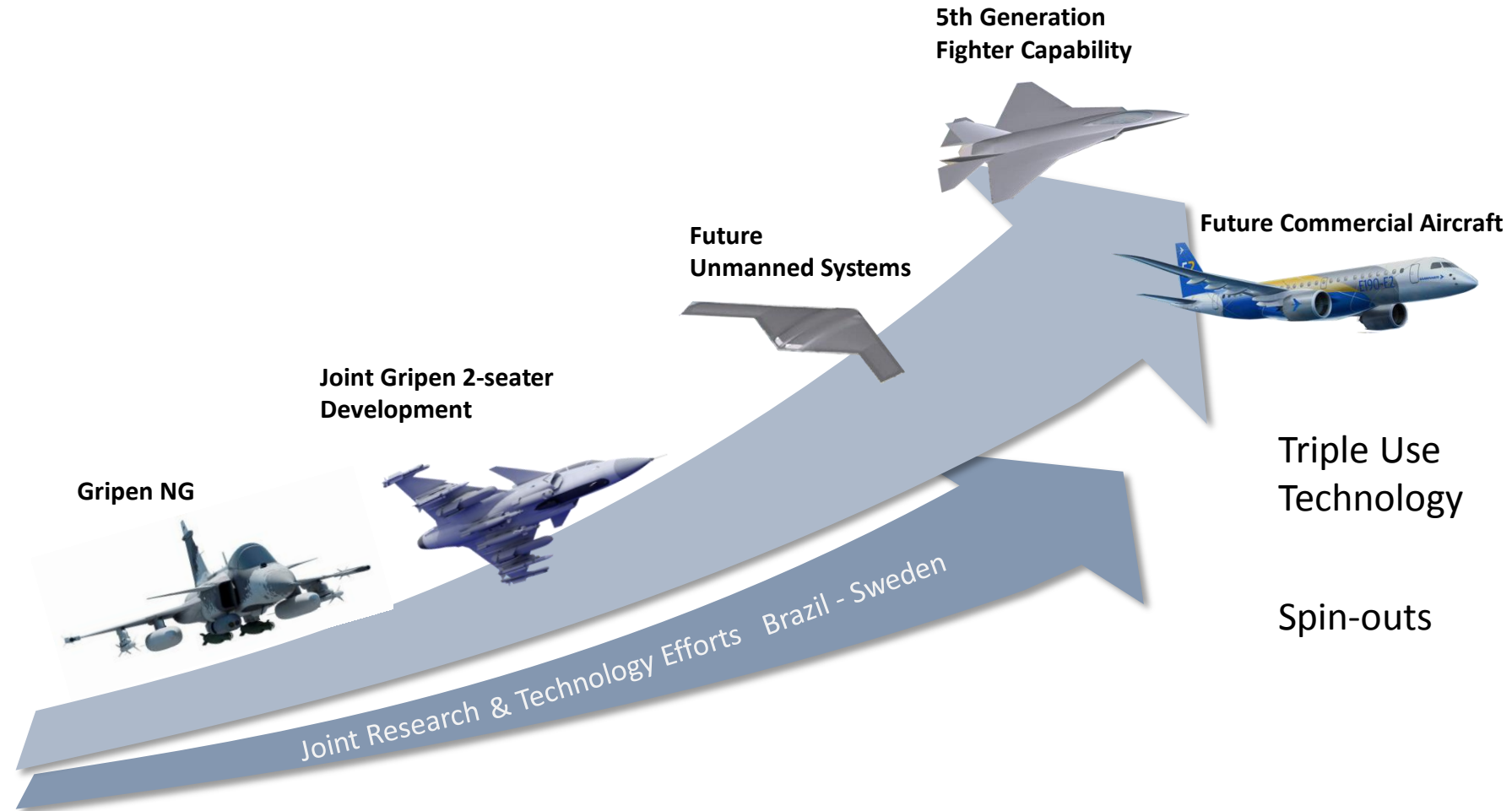


## Plan for the Aeronautics Committee – meetings

- The next Committee meeting (no 4) will be coordinated with the scheduled Aeronautical R&D activity in Brazil in the May timeframe (planned Promotion Tour by Swedish Universities to Brazilian Universities). The meeting will be located (present plan) in Brasilia.
- The following Committee meeting (no 5) will tentatively be arranged together with WS4, which is discussed to be located to Sweden in conjunction with the conference “Aerospace Technology 2016”, in Stockholm 11-12 October 2016.



# Finally – Our challenge!



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