



INNOVAIR

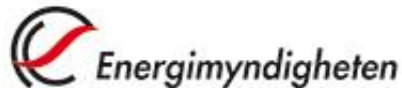
Strategiskt
Innovationsprogram Flyg

Strategic Innovation Programme Aeronautics

www.innovair.org/en

Anders Blom
Programme Director

Med stöd från:



STRATEGISKA
INNOVATIONS-
PROGRAM

Styrelse/styrgrupp

Anna Wilson, Svenskt Flyg - ordförande

Börje Andermård, Brogren Industries

Petter Bladh, Nordic Aircraft

Anders Foyer, FM

Tomas Grönstedt, Chalmers

Hans Hansson, Swerea Sicomp

Mats Palmberg, Saab

Henrik Runnemalm, GKN

Håkan Seipel, FMV

Arbetsgrupp

Anders Blom: Innovair/Svenskt Flyg - ordförande

Ebba Lindegren, Joakim Tiséus, Martin Svensson: Vinnova (adj)

Mattias Hansson, Anders Foyer, Arne Norlander: FM

Björn Jonsson, Mats-Olof Olsson, Erik Stendahl: FMV

Lundberg Robert, Patrik Johansson: GKN

Lars Sjöström, Göran Bengtsson, Holmberg Gunnar: Saab

Bengt Wälivaara, Hansson Hans: Swerea Sicomp

Elis Carlström, Cecilia Ramberg: Sicomp IVF

Henningson Dan, Ardeshir Hanifi: KTH

Petter Krus: LiU

Parter

Med finansiellt åtagande mot Vinnova: 12

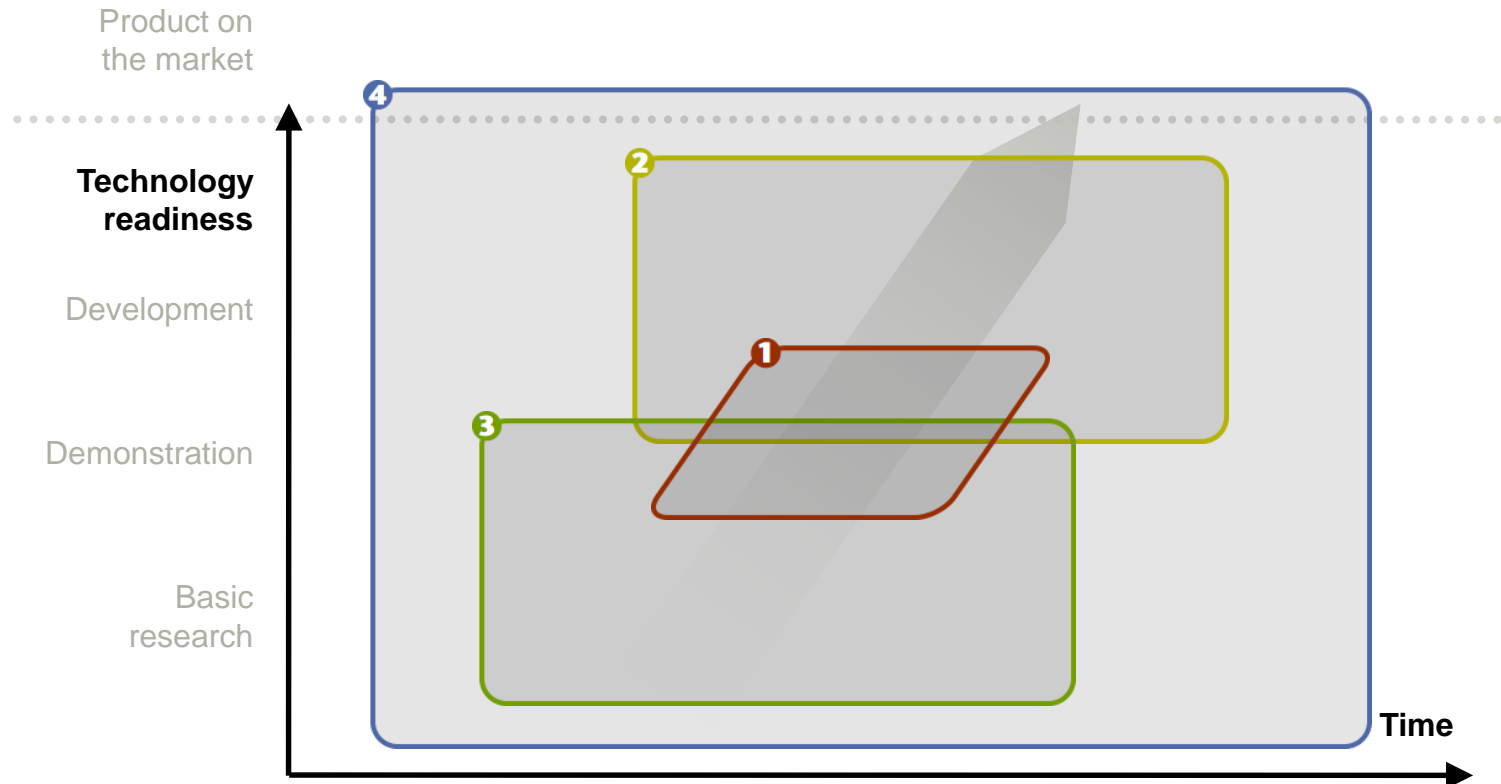
Med finansiering från NFFP eller GF-Demo:

Ca 30 företag, primärt SMF

Ca 15 UoH

Koordinering/samarbete med ett 10-tal myndigheter (SOFF, SAI, FTF, LFV, Transportstyrelsen, Swedavia, SAS, Energimyndigheten)

Strategy for near term activities NRIA Flyg2013



On what should we focus Swedish aerospace research and development?

How do we bring about the best possible conditions for domestic production?

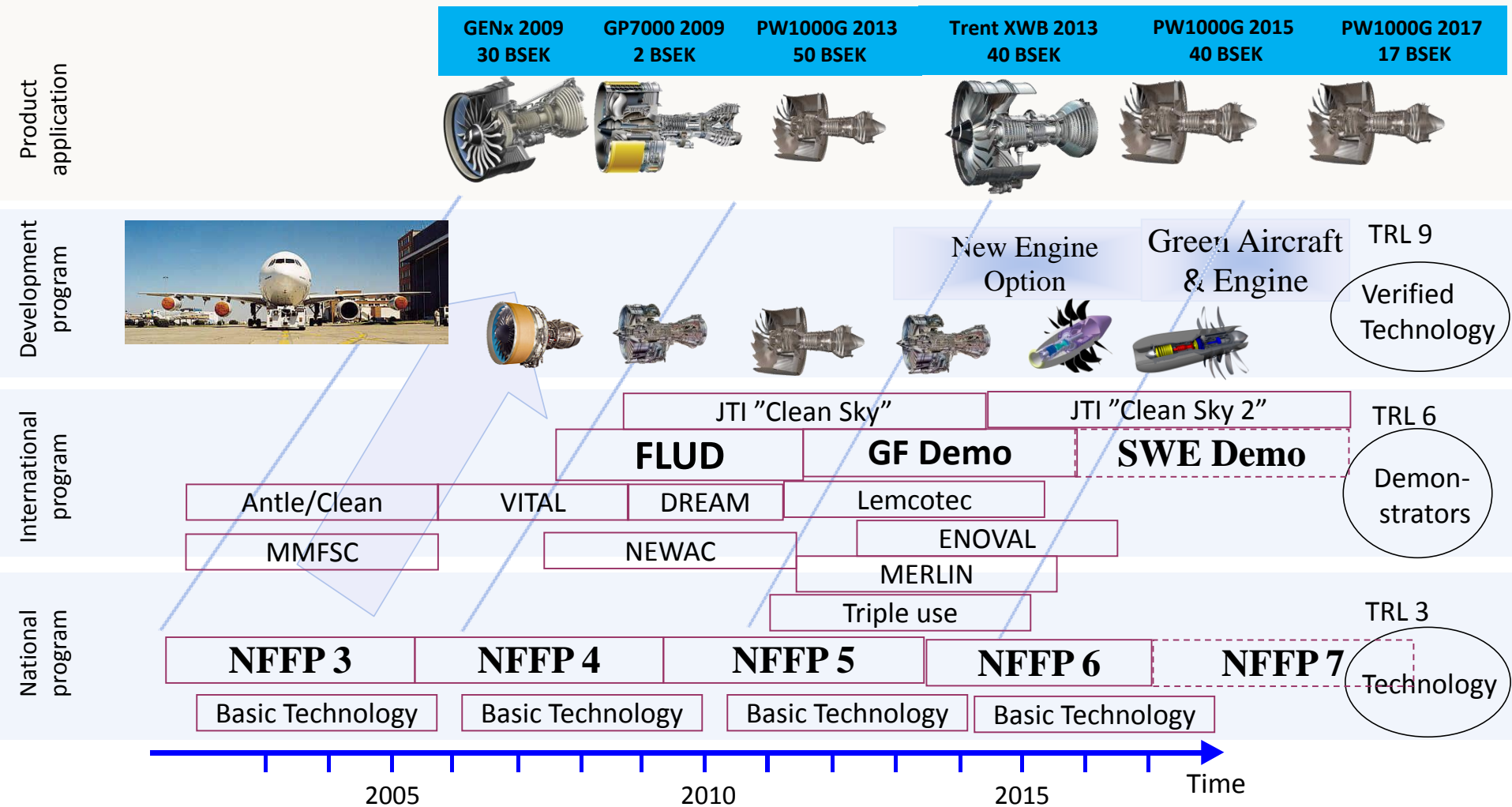
How can academia best work to encourage innovation?

How do we secure consensus for and governance of the Swedish aerospace sector?

Aktiviteter/resultat 2014-15

- Årskonferens 140924 (60 deltagare)
- Hemsida finns på svenska och engelska
- NFFP utlysning 2014 ledde till 14 nya tekniska projekt
- Produktionsarenorna PTC Innovatum och Compraser startat verksamhet
- Triple Use programmet avslutat
- 17 tekniska klusterledare utsedda – kurs
- Presentationer vid Almedalen, Le Bourget och trafikutskottet
- SMF: Tooltech och Brogren Industries certifierade underleverantörer till GKN
- Saab och GKN med i CS2
- Internationalisering mot Brasilien (Delegationsresa med Näringsministern) och UK (Innovair-resa till ATI, NCC, Oxford, Bristol). Projekt startade med både länderna.
- SWE Demo beviljat om 100 Msek 2016-2020

GKN roadmap



Saab Roadmap

INNOVAIR

Product application



Double turnover in aeronautics

Development Programs and Full-scale Demonstrators



NEURON



MIDCAS



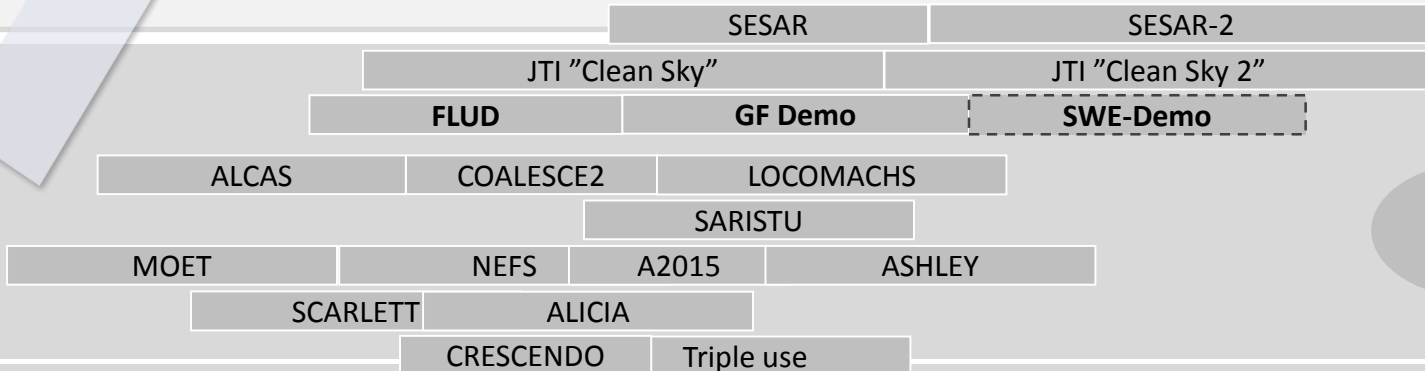
Remote technology



TRL 9

Verified Technology

International programs



TRL 6

Demonstrators

National programs



TRL 3

Technology

2005

2010

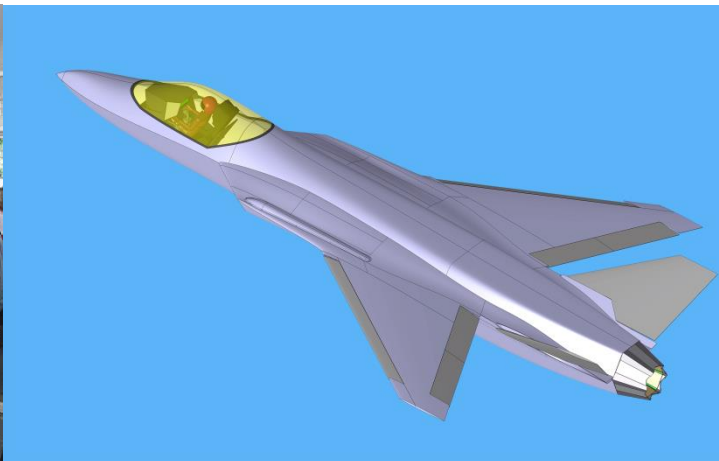
2015

2020 Time

Svensk delegation (flyg, skog, gruv) i Brasilien maj 2015 under ledning av M Damberg



WHAT WE HAVE ACCOMPLISHED SO FAR !



A flow of gradually more productive activities have verified the interest in bilateral cooperation. We have now reached a good status at low TRL (research). The challenge is to carry this further and include institutes and industries, with demonstrators and product development as further aims.

MoU for cooperation High level Meetings - Vinnova and ABDI	Swedish – Brazilian pre-study projects (Vinnova)	CISB founded in SP Swedish CISB office	Industrial Guest Research Scholarship - CNPq, CISB & Saab	Innovation Training for Defence and Aeronautics - CISB	SE-BR Research initiative 1 st Workshop ITA 500 + participants CISB Travel Grants	Swedish Endowed Prof Chair at ITA Workshops arranged by CISB, ITA, Innovair
2009	2010	2011	2012	2013	2014	2015



WHAT'S NEXT ?

1. Create an Aeronautical MoU
2. Establish a Brazil-Sweden High-level Forum to enable and direct strategic cooperation
3. Establish areas for bilateral cooperation
4. Strategy to spin out initiatives outside Aeronautics
5. Define funding mechanisms on different levels
6. Broaden scope of neutral innovation platform – CISB

