

# The German Aeronautical Research Program LuFo

## National Research in the European Research Area

**Friedrich König**

Program Management Office  
Aeronautics Research for the  
BMWi



## 3 - Pillars Approach: Aeronautical Research in Germany

### EU - Level

competitiveness on EU - level

projects with great socio economic impact on transnational level

projects with workshares in different (European) countries

technology demonstrators

### National - Level

projects with focus on national core competencies

projects with impact mainly on German national level

projects of networks consisting of industry, SMEs, universities and research organisations

### Regional - Level

projects with focus on regional supply chain

promotion of framework conditions on a regional level:

- funding of local research networks
- education
- funding of universities, research centers and infrastructure



# Aeronautical Research in the European Context

The European framework programs foster creation of transnational networks which:

- are not bound by the core competencies of certain national industries
- cover the whole European industrial value chain
- have the critical mass to integrate specific technologies into marketable innovations



## LuFo: Major Objectives of the national Program

- strong perspective towards industrial applications and products
- creation and use of a powerful national research network
- technological leadership and competitiveness
- provision of a level playing field with
- focus on environmental and societal challenges: emissions, safety and acceptance of air transport



## LuFo: Embedded in European Research Agenda

- The European Strategic Research and Innovation Agenda (SRIA) is complemented by the German national Aeronautical Strategy
- The strategy provides a range of different tools to ensure the technological leadership and competitiveness of Integrators, Suppliers and the Research Infrastructure
- Strategic goal is to develop and maintain „System Design Capabilities“ for Suppliers and Integrators supported by Research Institutes and Universities



# Challenges for European Aeronautical Research Programs

- Aeronautical R&T Resources (financial and human) are scarce in Europe, especially in countries with a strong aeronautic industry
- New competitors without financial limitations from countries that consider aeronautics as strategic try to enter the civil market
- Successful aircraft programs and strong demand shift industrial focus away from much needed R&T activities



# The Evolution of LuFo I to V: Addressing the entire Innovation Chain

LuFo I, II, III  
LuFo IV-1,2, 3



LuFo IV-4

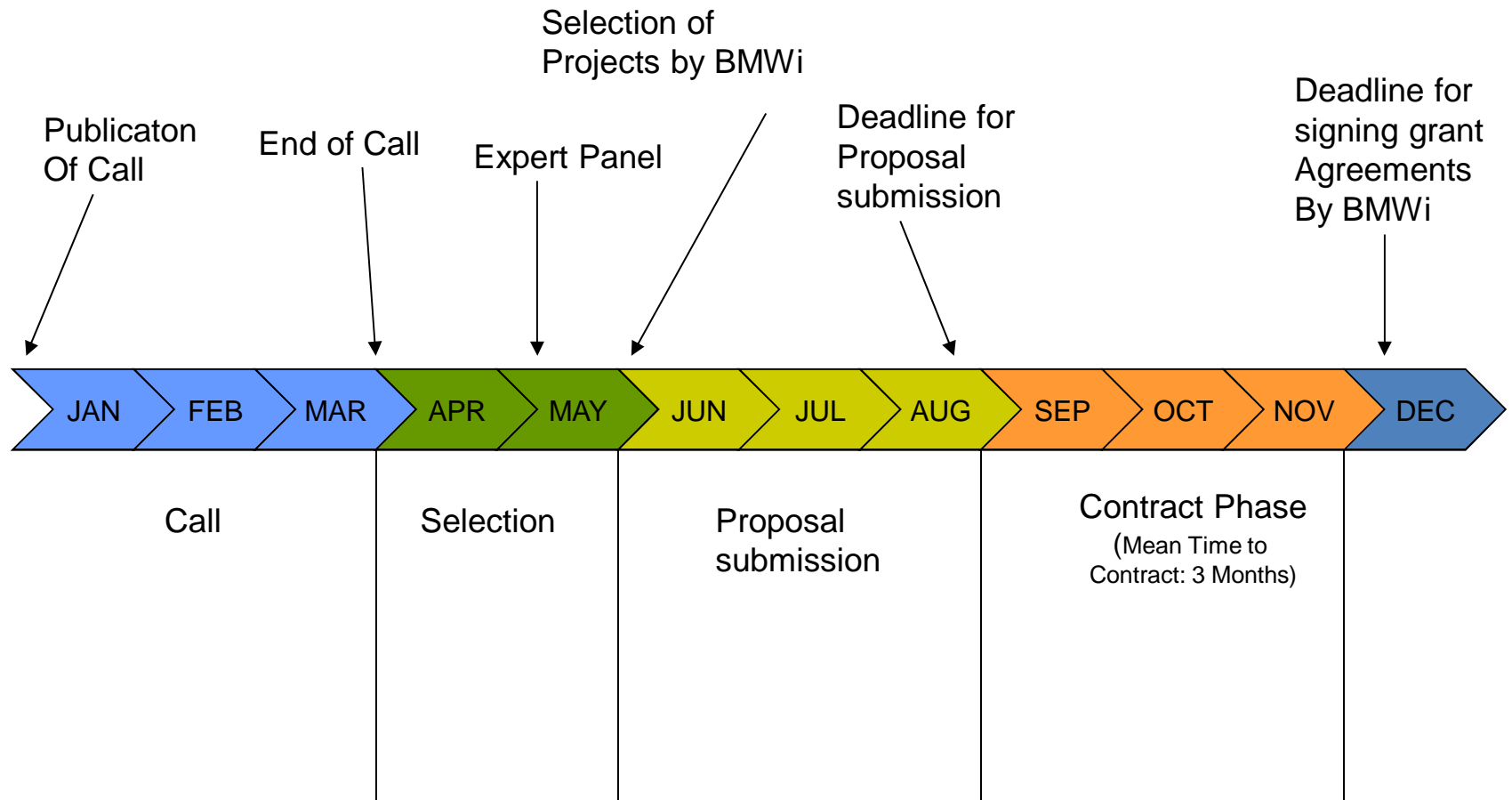


LuFo V-1



# LuFo V: Time Line for Calls

## Possibilities transnational cooperation





# LuFo I – V: Two Decades of sustainable R&T - Funding

