



KhAI-ERA

**Integrating the National Aerospace University “KhAI”
into European Research Area**

Project Overview





Project Background

***WORK PROGRAMME 2011
CAPACITIES PART 7
ACTIVITIES OF INTERNATIONAL COOPERATION***

**Activity 7.6 Reinforcing cooperation with Europe's
neighbours in the context of the ERA
(FP7-INCO-2011-6, ERA-WIDE)**

The objective of this action is to reinforce the cooperation capacities of research centres located in the ENP countries, which are not associated to FP7 at the time of the publication of the call



Project history:

- 2009– idea origination, consortium building
- 2009 – 1st submission
- Apr 2010 – total score = 13,5. Not funded
- 2010 – proposal refurbished
- 2010 – 2nd submission
- Apr 2011 – total score = 14. Funded



KhAI-ERA project aim

To integrate KhAI into ERA by

- ✓ developing cooperation
- ✓ setting up joint pilot research
- ✓ twinning with European research and innovation organisations

in KhAI's three strongest research topics.



Research Topics:

- **A: Composite Materials:**

- A1. Composite structure design optimisation
- A2. Composite structure manufacture and repair

- **B: Advanced Manufacturing for Aircraft Assembly:**

- B1. Advanced manufacturing tools for aircraft assembly
- B2. Advanced manufacturing processes for aircraft assembly

- **C: Dependable Embedded Systems:**

- C1. For aerospace applications
- C2. For medical applications



KhAI-ERA objectives

- ✓ Develop KhAI's Research Partnerships
- ✓ Increase KhAI's Scientific Visibility
- ✓ Increase KhAI's Human Potential
- ✓ Develop Medium to Long Term Research Quality and Capability



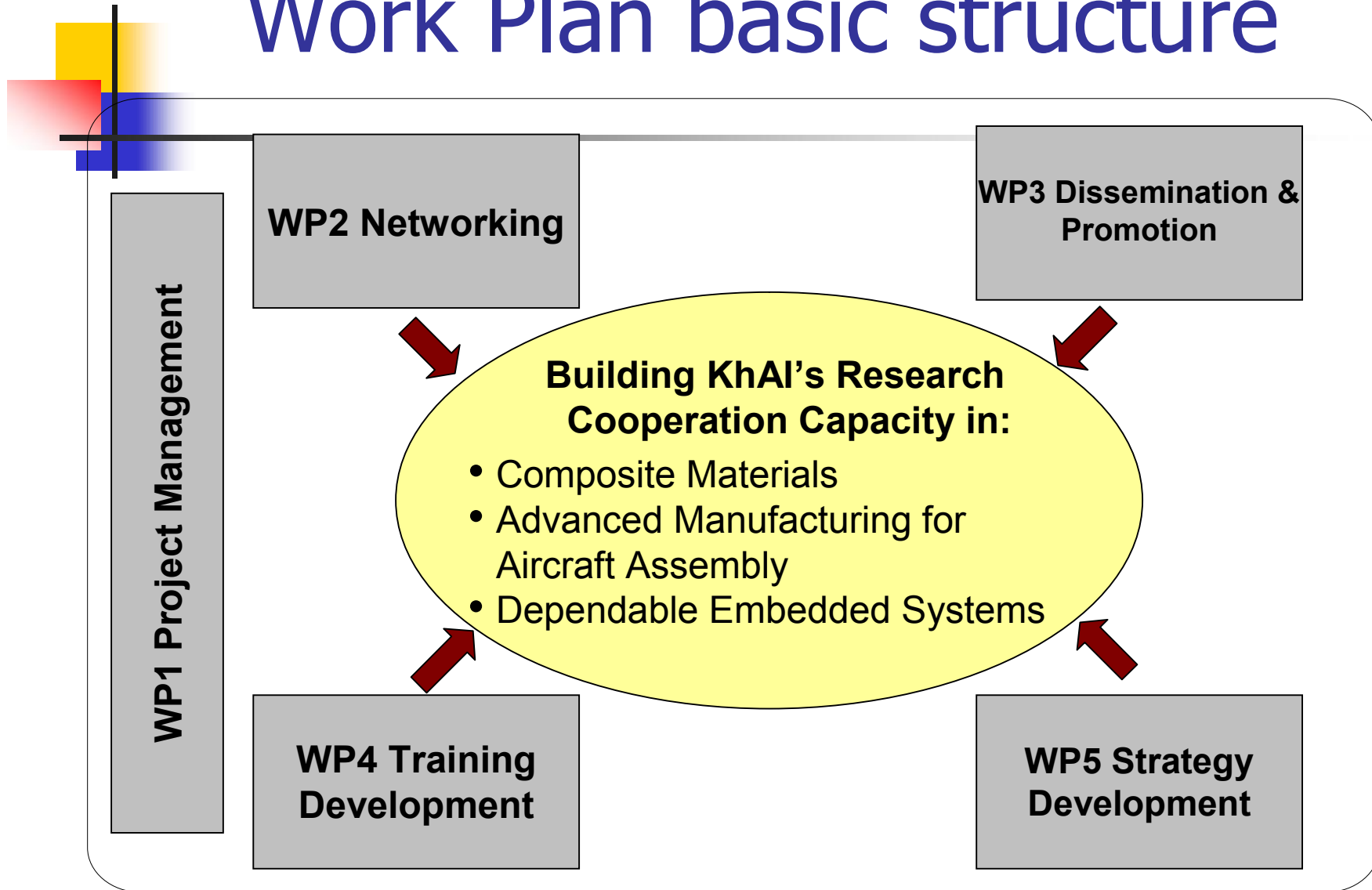
Project Partners:

- **IAE-BUT – Czech Republic**
- **Fraunhofer-IFF – Germany**
- **CEBE-TUT – Estonia**
- **Intelligentsia Consultants -- UK**

Project Duration – 3 years

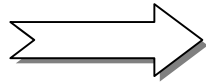
Start date – 1 Dec, 2011

Work Plan basic structure

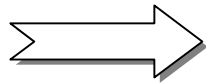


Expected KhAI-ERA Impact

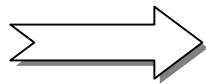
KhAI - ERA



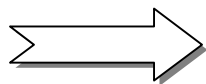
1. Contribution to RTD capacity building in the target country



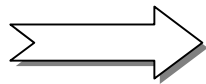
2. Enhanced participation of the country in the 7th Framework Programme.



3. Increased scope of the centres with increased linkage with economic and social environment



4. Networking with other research centres in Member States or Associated Countries



5. Increased job opportunities in the country for young scientists



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