

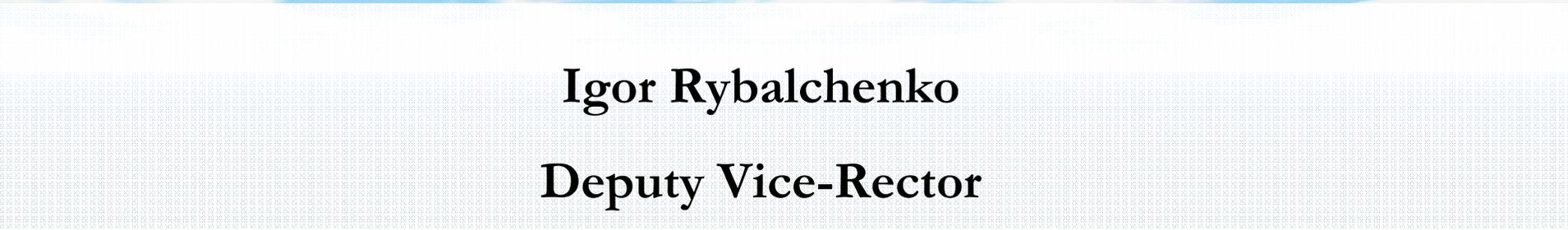
# Aero-Ukraine Project Workshop

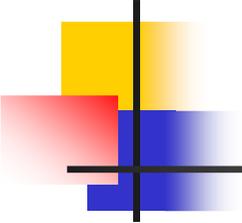


## KhAI FP participation – experience & lessons



Igor Rybalchenko  
Deputy Vice-Rector

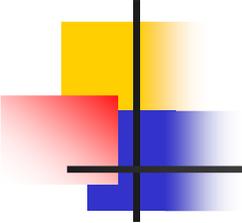




# Milestones:

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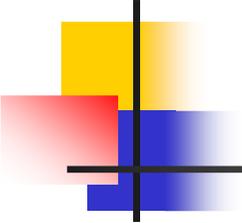
- FP activities started – 2005
- First applications – 2006
- First success – 2006
- First project started – 2007
- First project finished -- 2010



## Some Statistics:

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- **Project ideas published – 23**
- **Total application number – 24  
(highest in Ukraine)**
- **Under evaluation yet – 2**
- **Highest score – 13,5 of 15**
- **Projects funded – 5 (23%)**
- **Applications failed – 3 (13%)**



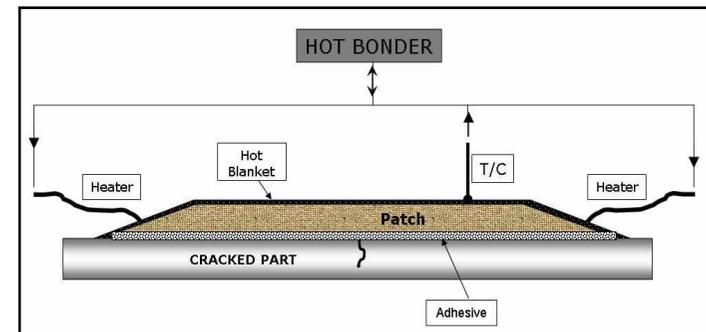
# Application fields:

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- **Aeronautics (AAT)**
- **Space**
- **ICT**
- **SME**
- **INCO**
- **Security**
- **Marie Curie actions**

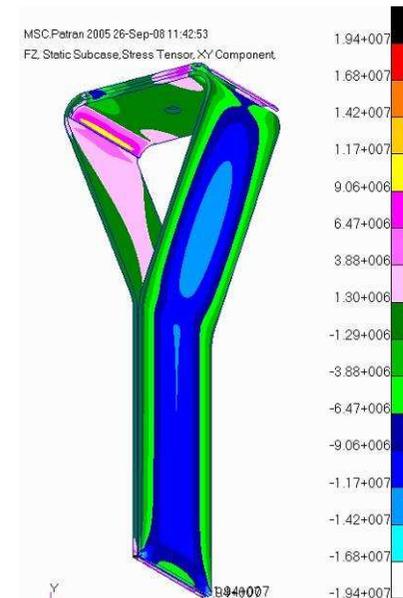
# FP funded Projects overview:

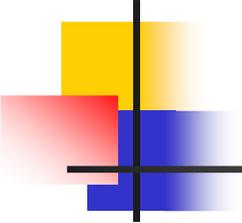
- **FP6 – SENARIO**
- Advanced Sensors and Novel Concepts for Intelligent and Reliable Processing in Bonded Repairs
- Project Coordinator – INASCO (Greece), 12 members
- KhAI tasks:
  - Epoxy curing process research and optimization
  - Complex patch geometry development
  - Multi-zone cure control
- Status – finished in 2010, underpaid



# FP funded Projects overview:

- **FP6 – ALCAS, IP**
- Advanced Low Cost Aircraft Structures
- Project Coordinator – AIRBUS UK, 60 members
- KhAI tasks:
  - 3D woven rib foot FEM approach development;
  - Test samples manufacturing;
  - Samples testing and FEM comparison
- Status – finished in 2010, audited

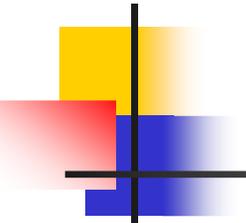




# FP funded Projects overview:

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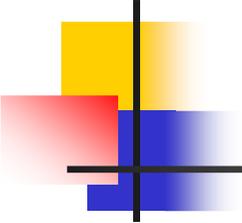
- **FP7 - HPH.com**
- Helicon Plasma Hydrazine Combined Micro Engine
- Project Coordinator – Padua University (Italy), 15 members
- KhAI tasks: development, design, manufacture and tests of new motor qualification model
- Status – in progress



# FP funded Projects overview:

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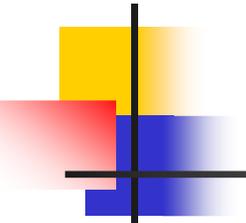
- **FP7 – AERO-UKRAINE, CSA**
- Support actions for further cooperation EU/Ukraine aeronautic communities
- Project Coordinator – Slot Consulting (Hungary), 7 members
- KhAI tasks:
  - mapping the Ukrainian aeronautics actors;
  - raising awareness of EU aeronautics research;
  - supporting participation in FP7 aeronautics research
  - “Aeronautic” NCP
- Status – in progress



# FP funded Projects overview:

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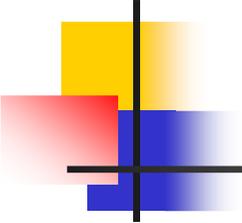
- **FP7 – WASIS**
- Composite Fuselage Section Wafer-design Approach
- Project Coordinator – CIDAUT (Spain), 12 members
- KhAI tasks:
  - Wafer structure design
  - Micro-pin joints design
  - Test panel manufacturing and testing
- Status – in progress



## Step-by-step Strategy:

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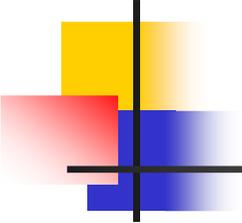
- **Competencies promotion**
- **Project ideas promotion**
- **WP leader**
- **Project technical leader**
- **Project coordinator**



# Lessons:

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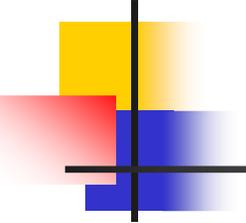
- **Long process – start earlier**
- **Complicated – study documents**
- **Technical + organizational**
- **Many people involved – be in contact**
- **All are busy – KISS**
- **Expertise, Promotion, Flexibility**
- **It's not a lottery, but a process**



# Problems:

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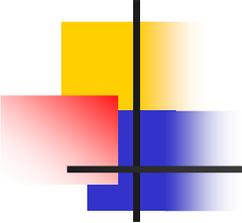
- Guidelines study
- Priorities misunderstanding
- Consortium philosophy
- Too technical approach
- Coordinating problem
- UA participation limited (JTI)



# Problems:

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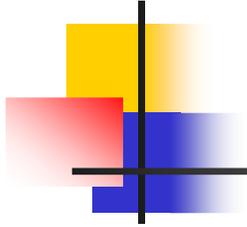
- No support from UA government
- No research coordination with FP
- International publications
- UA financial system doesn't match FP guidelines
- EC prepayment delay
- Customs, Visas



# Promotion paths:

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- **Personal contacts**
- **Events – InfoDays, Brokerage events, Conferences, Workshops...**
- **Associations – EASN, PEGASUS, ETNA...**
- **CORDIS, NCPs**
- **Publications – EC, special...**



Roll up your sleeves...



*National Aerospace University "KhAI"  
Kharkiv, UKRAINE*

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