

Peter Horst; TU Braunschweig; IFL



## EASN IGs

### Area of Interest: Aerostructures:

- Ageing Aircraft (P. Horst)
- Crashworthiness and structural Impact for Commercial a/c (R.Mines)
- Increased Exploitation of Metallic Airframe Materials(E.Hombergmeier)
- Surface Engg. (C. Rodopoulos)
- Damage Tolerance of Welded Aerostructures (A. Kermanidis)
- Increased exploitation of composites (G.Labeas)
- Recycling (of composites ?) and Life-Cycle Management ( N.N.)

## EASN IGs

### Area of Interest: Aerostructures:

- **Ageing Aircraft (P. Horst)**
- Crashworthiness and structural Impact for Commercial a/c (R.Mines)
- Increased Exploitation of Metallic Airframe Materials(E.Hombergmeier)
- Surface Engg. (C. Rodopoulos)
- Damage Tolerance of Welded Aerostructures (A. Kermanidis)
- Increased exploitation of composites (G.Labeas)
- Recycling (of composites?) and Life-Cycle Management ( N.N.)

## EASN IGs

Area of Interest: Aerostructures:

- Ageing Aircraft (P. Horst)

Several Projects have been proposed under this title.

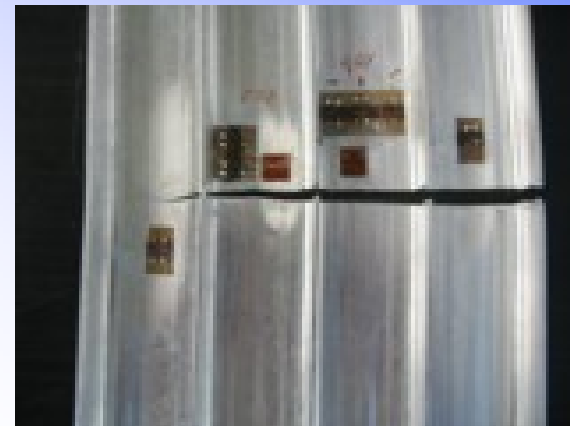
- DaToN
- ...
- BICPAN

## EASN IGs

### DaToN:

New manufacturing techniques available :

- LBW
- FSW
- HSC / HPC



All resulting in a more or less „integrally stiffened structure“

Ability to manufacture is clearly proved.

In order to allow a reasonable (broad) application in aeronautics,  
reliable assessment methods  
are needed.

## EASN IGs

### DaToN: Short History

1st proposal : was not successful

2nd proposal was successful under 6th FP  
(approx. 2.8 M€)

The project just ended (Sept. 08)

Dissemination takes place  
(e.g. by a special issue on the project in a scientific journal)

## EASN IGs

### DaToN:

IFL TU Braunschweig	Germany
Airbus Deutschland	Germany
EADS CCR	France
EADS CRC	Germany
IAI	Israel
ASMT	Netherl.s
FOI	Sweden
DLR	Germany

NLR	Netherl.s
IDMEC	Portugal
Pisa	Italy
Brno	Czech Rep.
Sheffield Hallam	UK
Patras	Greece
Imperial	UK
* ALCAN	France

## EASN IGs

### Area of Interest: Aerostructures:

- Ageing Aircraft (P. Horst)
- Crashworthiness and structural Impact for Commercial a/c (R.Mines)
- Increased Exploitation of Metallic Airframe Materials(E.Hombergmeier)
- Surface Engg. (C. Rodopoulos)
- Damage Tolerance of Welded Aerostructures (A. Kermanidis)
- Increased exploitation of composites (G.Labeas)
- **Recycling (of composites?) and Life-Cycle Management ( N.N.)**



## EASN IGs

Area of Interest: Aerostructures:

- Recycling (of composites) and Life-Cycle Management ( N.N.)

proposed during Munich meeting

up to now interest by

- Villu Mikita (Eesti Lennuakadeemia)
- Andris Chate (Riga TU)
- ...
- Dr.-Ing. habil. Herrmann (TU Braunschweig)

## EASN IGs

Area of Interest: Aircraft Avionics, Systems and Equipment:

- GNC (J. Rohacs)
- On Board a/c Systems (P. Hecker)