Figure 1. DAEDALOS Workpackages.
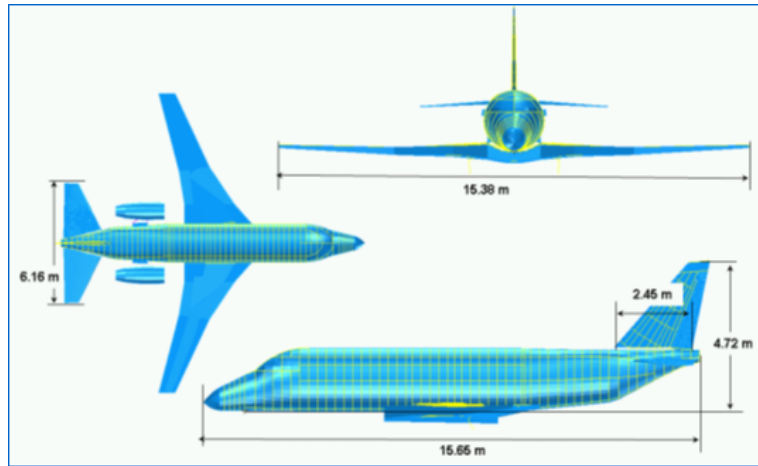

Figure 2. DAEDALOS aircraft model.
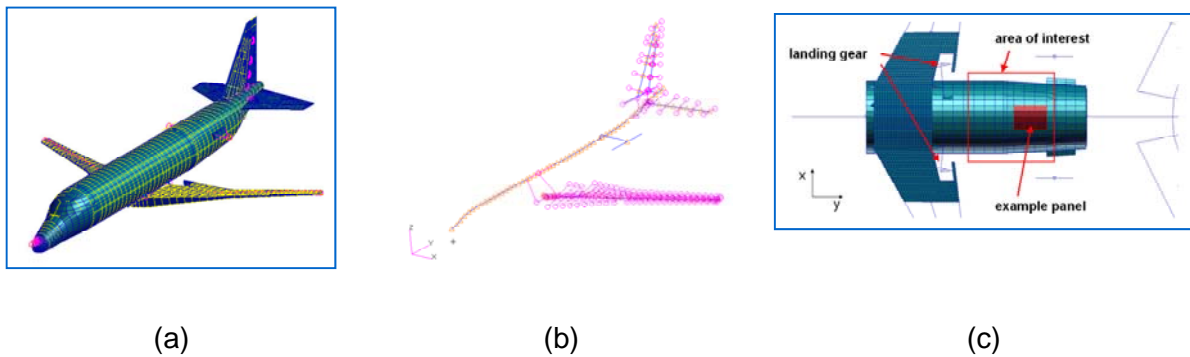

(a)   (b)   (c)

Figure 3. Different finite element models: (a) 3D coarse model, (b) stick model,
(c) fuselage hybrid model.

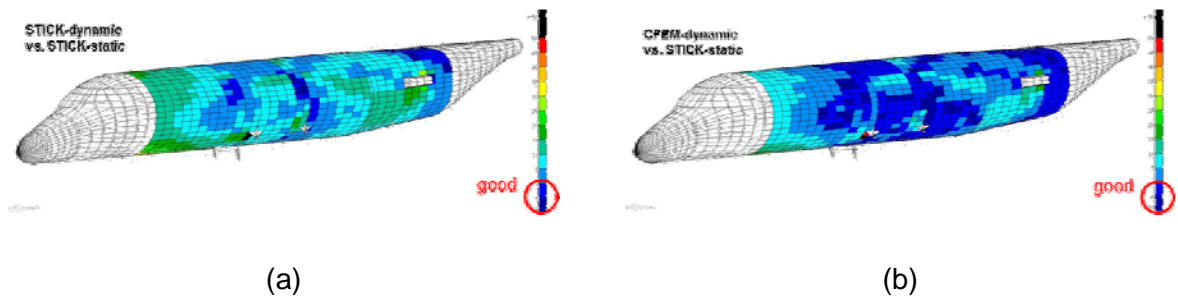(a)   (b)

Figure 4. Comparison between different design approaches: (a) stick-dynamic vs stick-static,
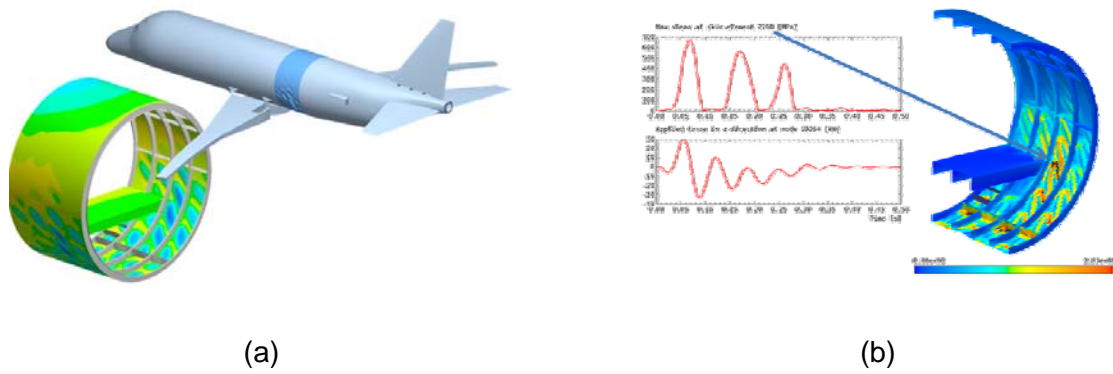(b) CFEM-dynamic vs stick-dynamic.

(a)   (b)

Figure 5. Global/local approach: (a) full aircraft and fuselage models,
(b) details of the analysis results.

(a)   (b)

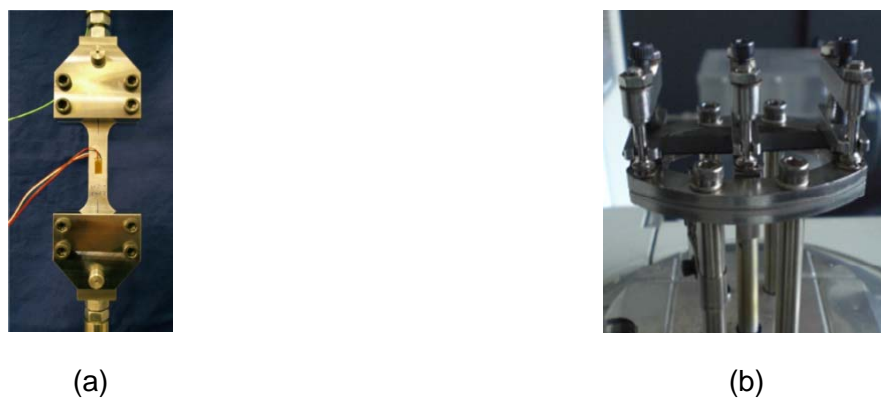Figure 6. Damping measurement: (a) test set-up for tensile experiments, (b) DMA.

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(a)   (b)   (c)

Figure 7. Static and dynamic tests of structures: (a) shell in post-buckling range,
(b) shell ready for a dynamic test, (c) stiffened panel tested until failure.