



The Andalusian Aeronautic cluster

Andalusian Aeronautic Cluster

A Region with Aeronautic tradition

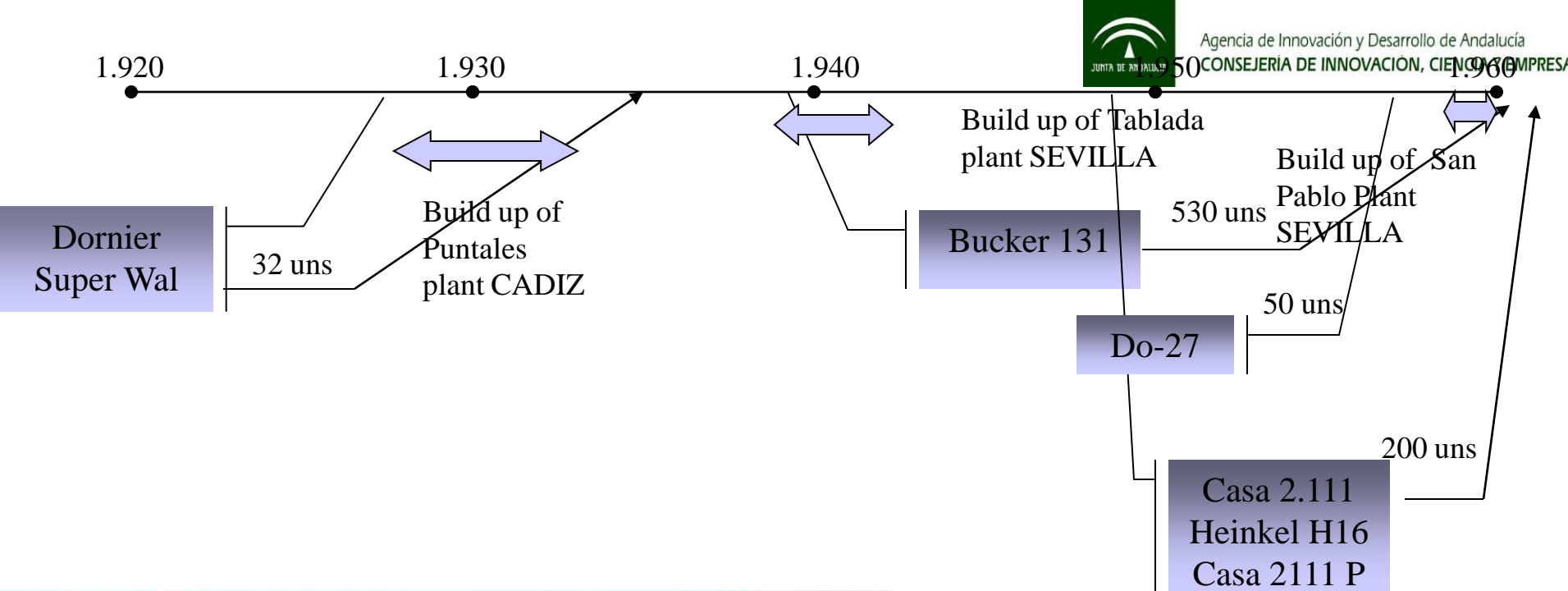
CLUSTER DESCRIPTION

Nucleus

Subcontractors

Supporting Institutions

Simon Vazquez



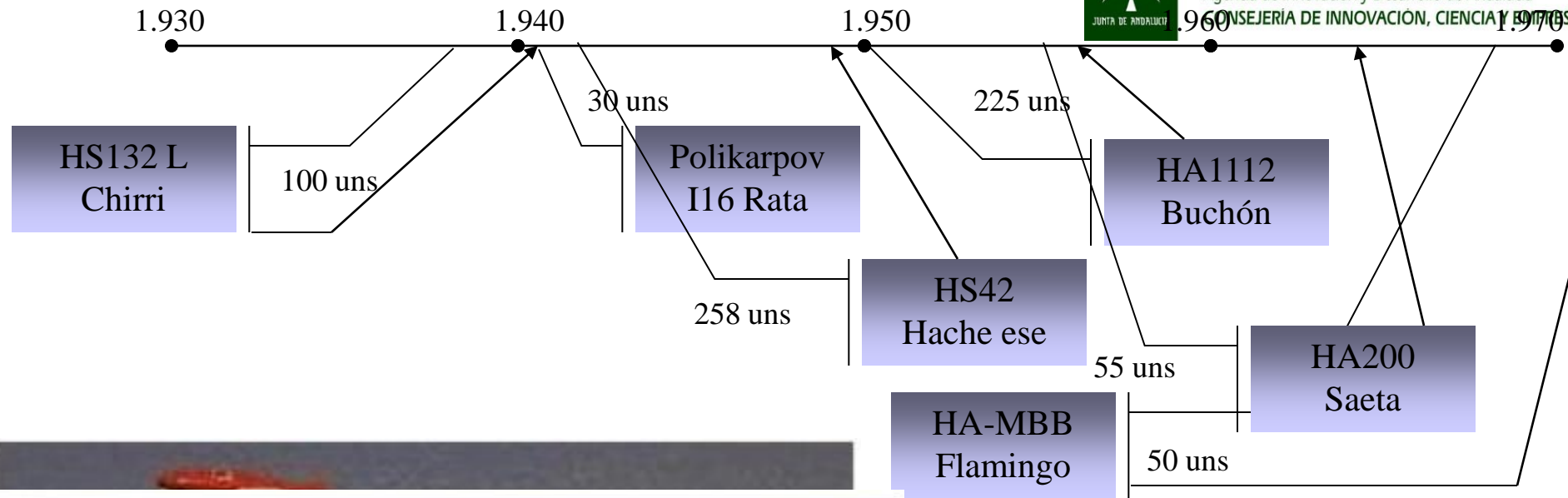
Bombardero C2111

Envergadura : 22,5 m Long: 16,5 m

Motor : 2 RR 1.632 cv

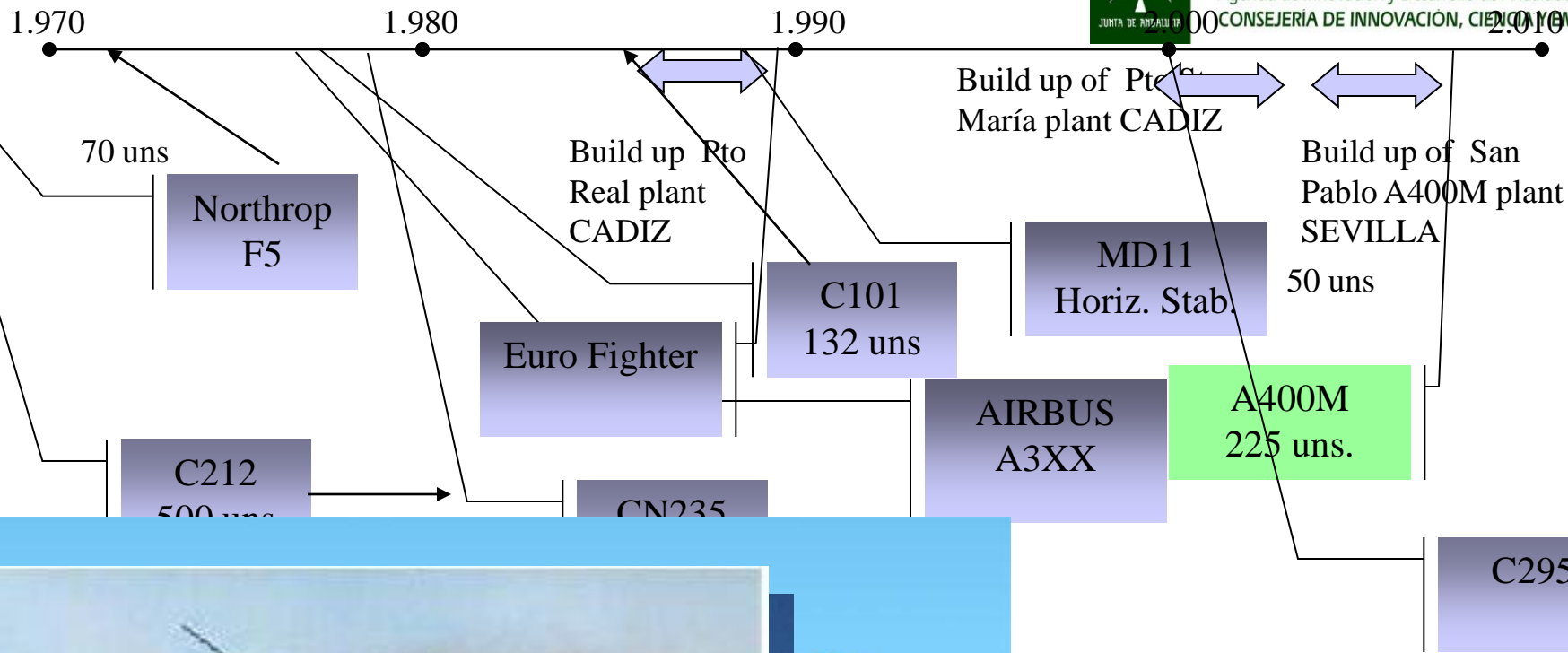
Andalusian Aeronautic Cluster Description

Part 1 –Cluster History

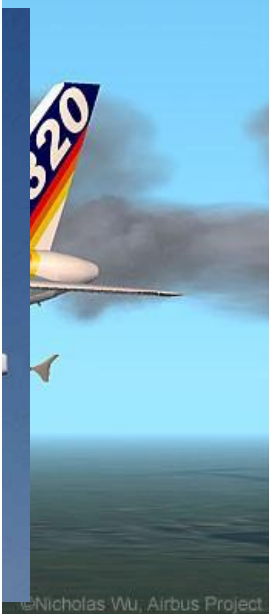


Avión Caza a hélice bajo Licencia MBB
 Envergadura : 8,28m Long: 7,23 m
 Motor : Lyncoming 200 HP

Andalusian Aeronautic
 Cluster Description
 Part 1 –Cluster History



Military Transport Aircraft
Wingspan : 42,4 m Length: 42,2 m
Powerplant : TP400 AeroProp 11.000 SHP



Andalusian Aeronautic
Cluster Description
Part 1 –Cluster History



CLUSTER DESCRIPTION

Aeronautic sector by provinces



CLUSTER NUCLEUS

Andalusian Aeronautic

Cluster Description

Cluster Nucleus

2007 figures	
Total Staff	2.755
Total Turnover	€ 545 M

Activities & Technologies

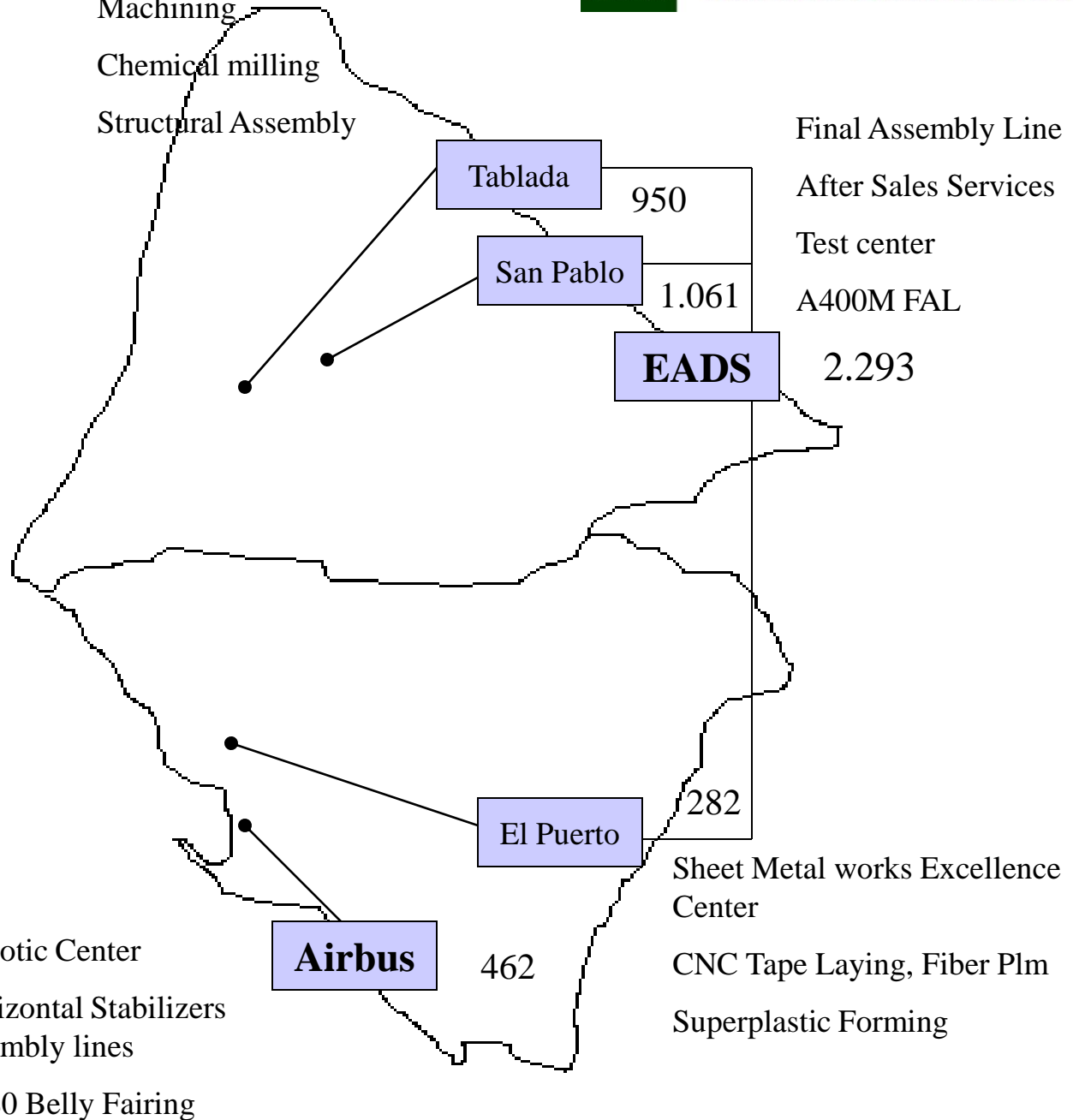
All of them currently in expansion to make room for new programs

Stretch forming

Machining

Chemical milling

Structural Assembly



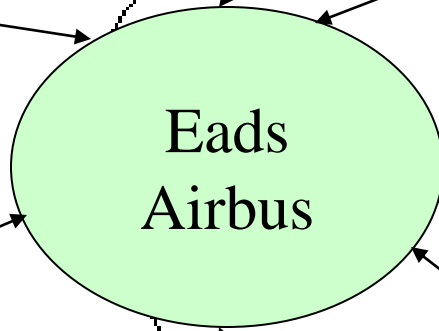
CLUSTER SUBCONTRACTORS



S Sheet Metal
 Presses & forming
 Surface treatments Painting
 # Companies: 10
 Workforce : 439
 Turnover € 24,7M

E Engineering
 Design, Tooling
 Systems & Processes
 5 axes CNC Programming
 # Companies : 16
 Workforce : 236
 Turnover € 14,6M
ENGINEERING

M Machining
 CN big & small parts
 3 – 5 axes
 # Companies: 23
 Workforce : 610
 Turnover € 50,2M
MACHINING&TOOLS



Hydraulics&Tubing
 Forming, testing
 Laser, Surface treatments
 # Companies : 3
 Workforce : 129
 Turnover : € 11,1M

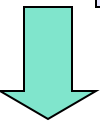
C Composites
 Clean Rooms, autoclaves
 Assemblies, ATL design
 # Companies : 6
 Workforce : 369
 Turnover € 39,9M

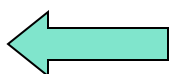
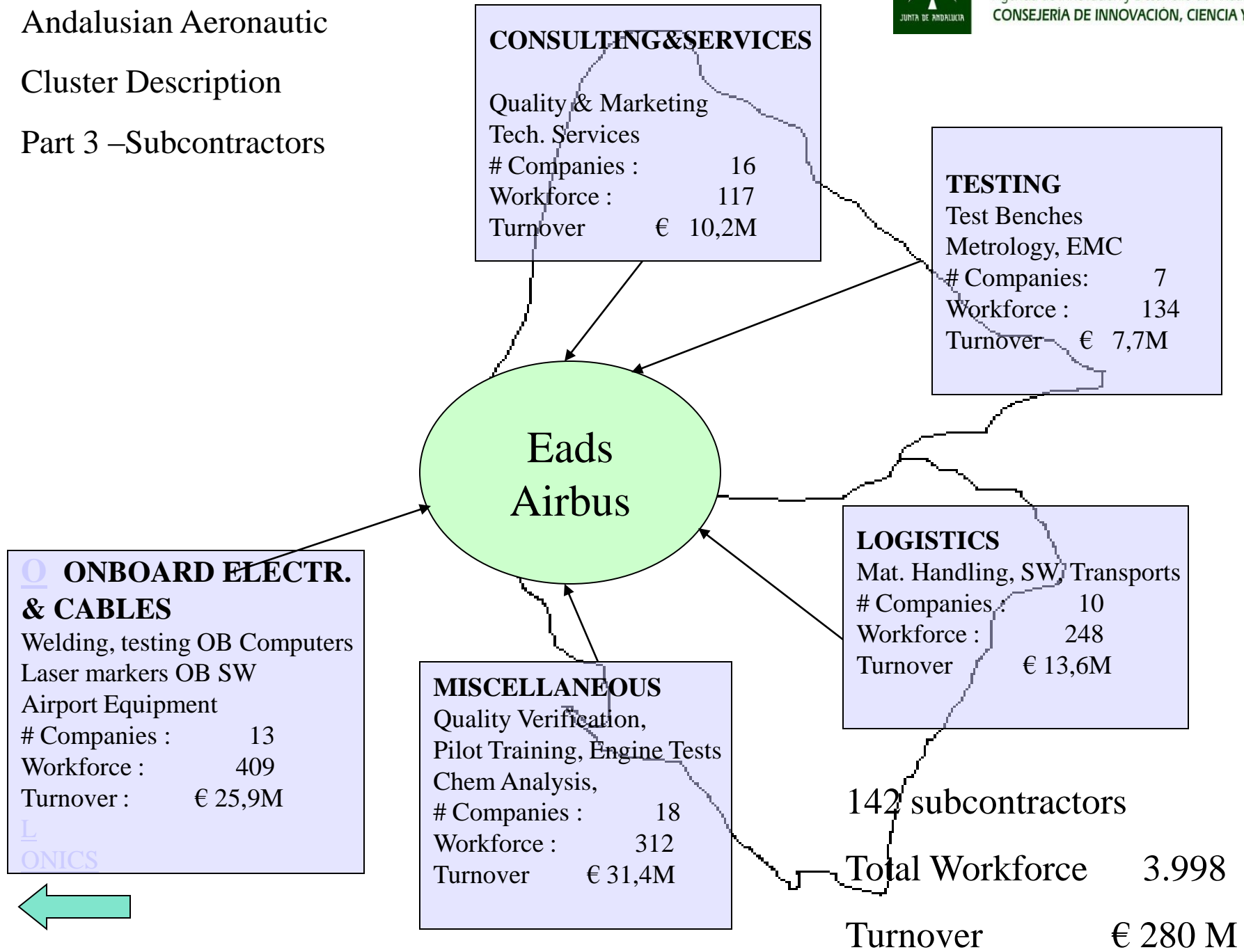
A Assembly
 Jigs & Surface treatments
 systems
 # Companies : 6
 Workforce: 995
 Turnover € 50,3M
STRUCT. ASSEMBLIES

142 Subcontractors

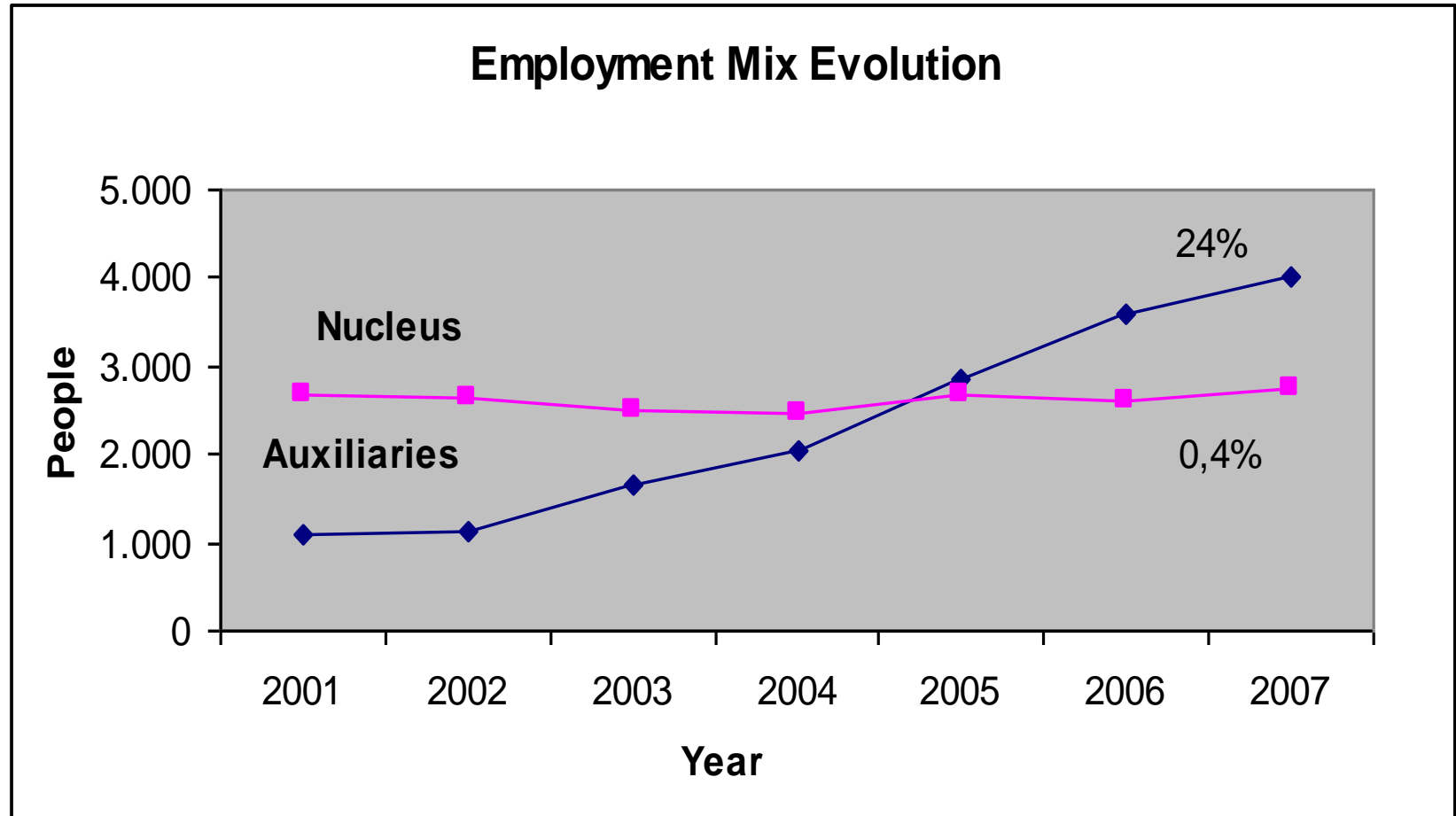
Total Workforce 3.998

Turnover € 280 M

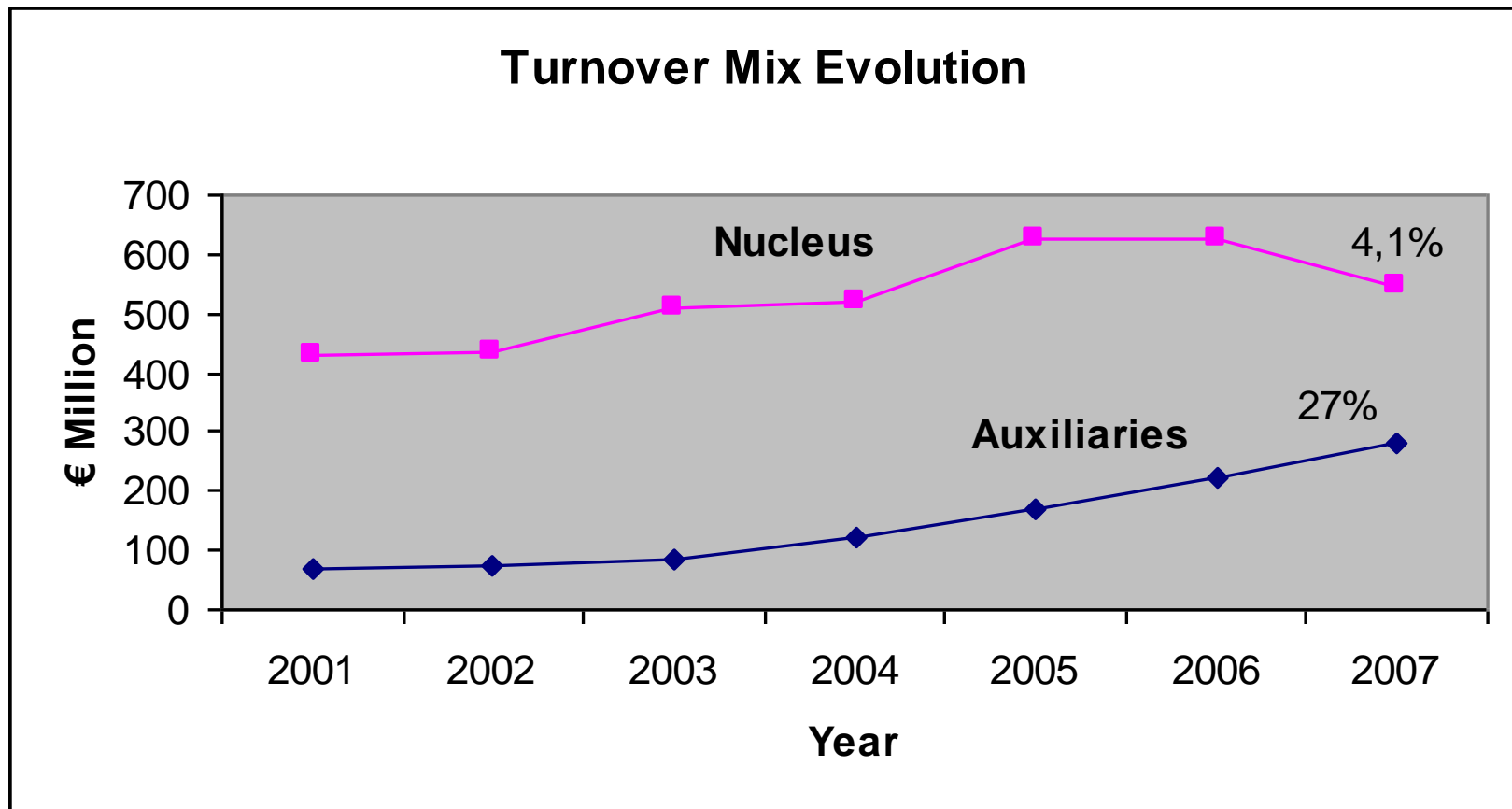




OEMs outsource new workloads



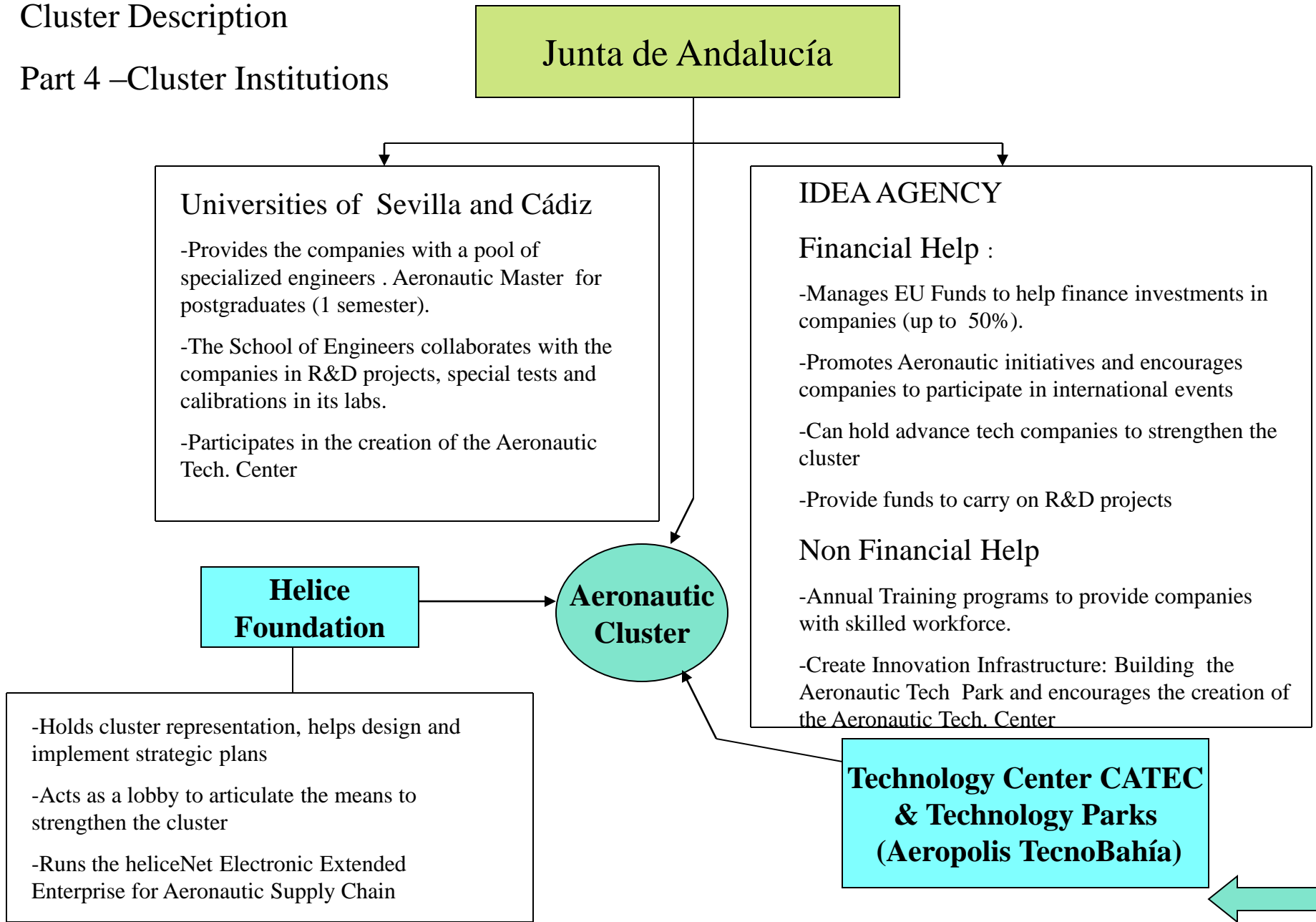
OEMs rely upon subcontracting



CLUSTER SUPPORTING INSTITUTIONS

Cluster Description

Part 4 –Cluster Institutions



Institutional Support non Financial help



Aerópolis

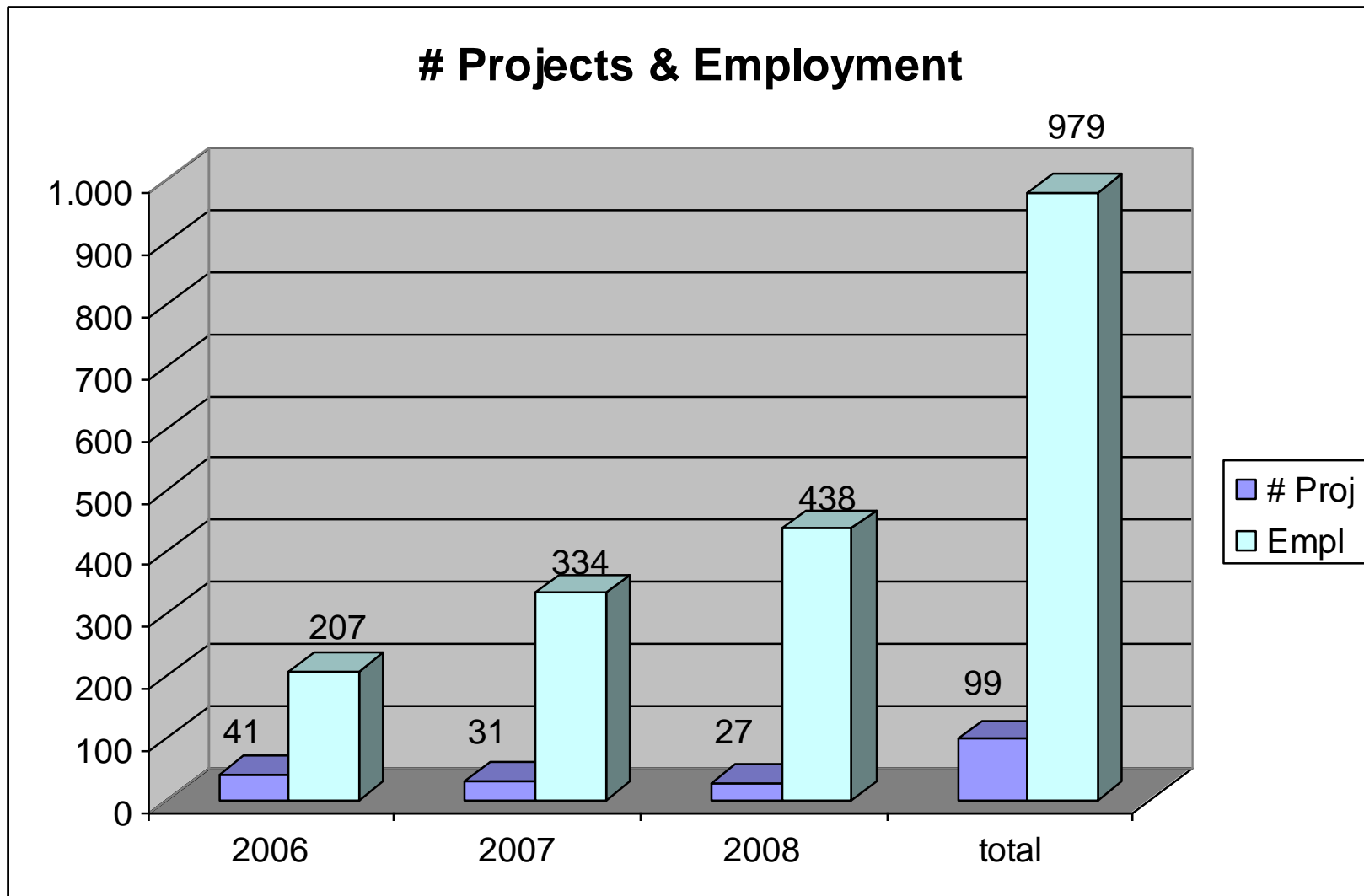
Parque Tecnológico Aeroespacial de Andalucía



Institutional Support

Financial help

Managing EU Funds



Managing EU Funds

