

R&D Coordination and ARDEP, ARDA (& VDR)

Christian Pusch
Eurocontrol Experimental Centre



**“99% of all flights punctual within 15 min
in all weather conditions”**

CEC DG Research, Vision 2020



Decreasing (R&D) budgets ...

- Airlines on verge of bankruptcy (cf Herm Rediess)
- Corporatisation of Air Navigation Service Providers

“The only way to change an administration to its better is to increase the number of tasks and to reduce the budgets”

- ✓ the number of tasks is huge
- ✓ the budgets decrease (..... but are still quite comfortable)

through cooperation

- ◆ PHARE, a 10 year project in the 90ties, in Europe
- ◆ Long standing cooperation between US R&D organisations
- ◆ etc
- ◆ FAA - Eurocontrol R&D Committee since the mid-90ties
 - Action Plans
 - this conference
 - technical interchange meetings
 - and ...

But do we assess and analyse our R&D projects and results correctly, and if yes, do we try to control our strategy from these assessments



and supported by appropriate tools

establish R&D needs
adjust R&D strategy



Who does what ?
With which results ?

<http://www.eurocontrol.be/ardep-arda/>
VDR web site under construction



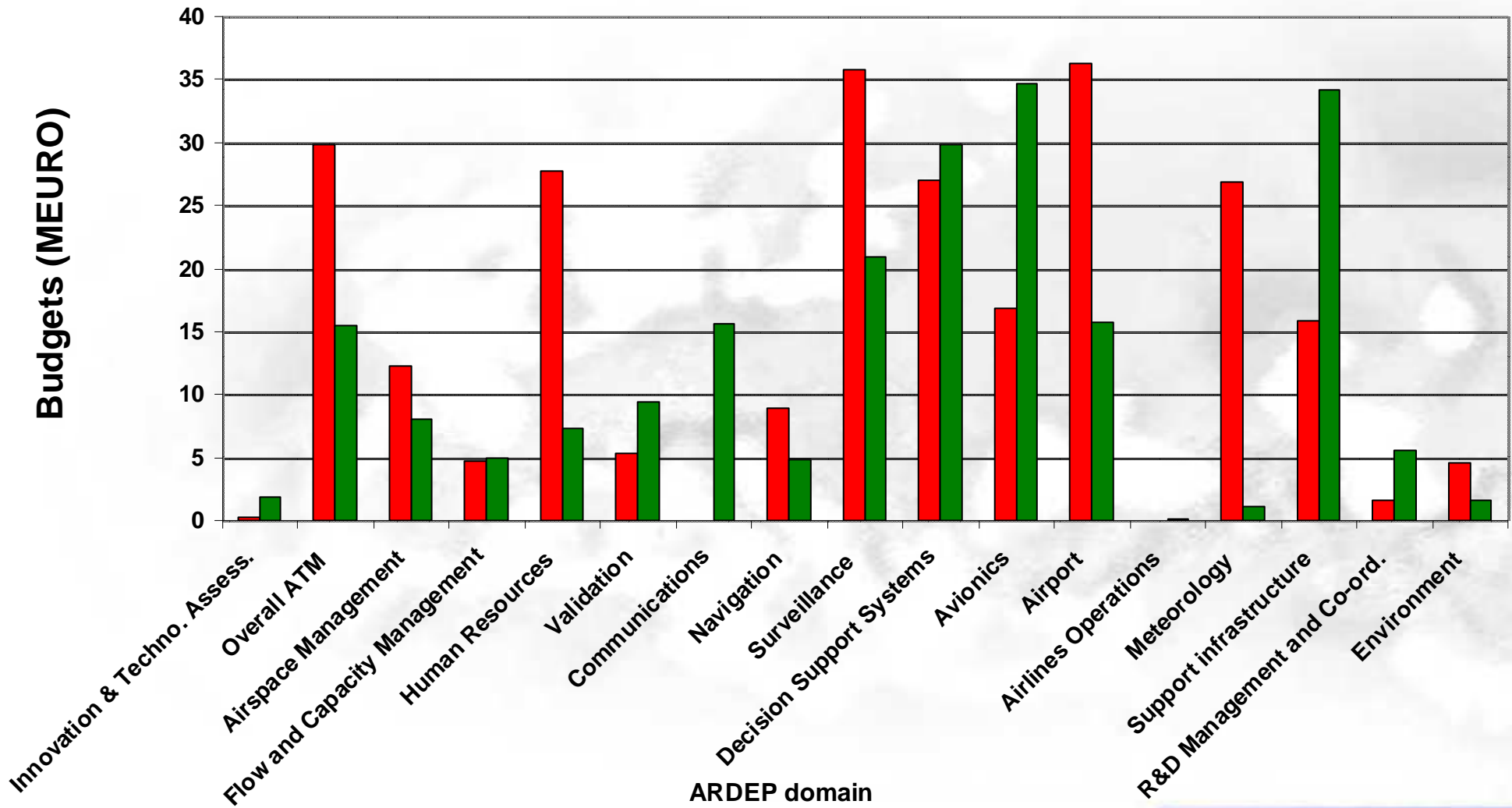
high-level US-Europe analysis

■ FAA ■ Europe

Comparison Europe - US 2001 Budgets (MEURO)

Total US ARDEP = 254 MEURO

Total EU ARDEP = 211 MEURO



some private thoughts on airline operations and market

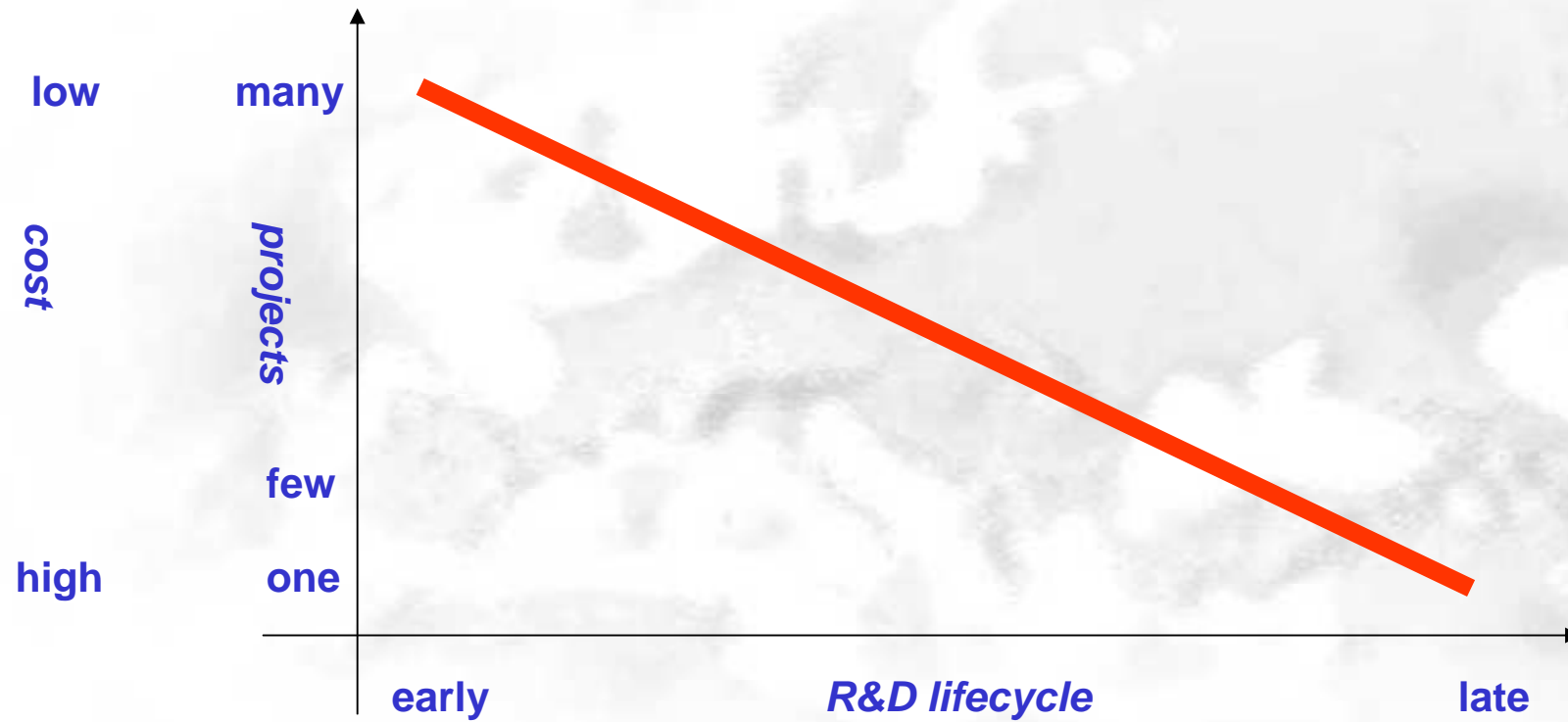
+30 000 FRF

24 000 FRF

4 000 FRF

4 000 FRF





Analysis of R&D in EUROCONTROL Programmes

Aviation R&D Activities

Co-ordinates R&D activities by collecting and disseminating information provided by the internal and external stakeholders

ARDEP database gives a reliable global picture of the ATM R&D Activities

Information (non financial) is published on the Web
Information tool to aid the decision making process

Through R&D Coordination and with the help of appropriate tools we may be able to achieve (in the very long term):

- “An integrated national transportation system that can economically move anyone and anything, anywhere, anytime, on time;
- A transportation system without fatalities and injuries; and
- A transportation system that is not dependent on foreign energy and is compatible with the environment. ”

(FTAG Vision 2050)