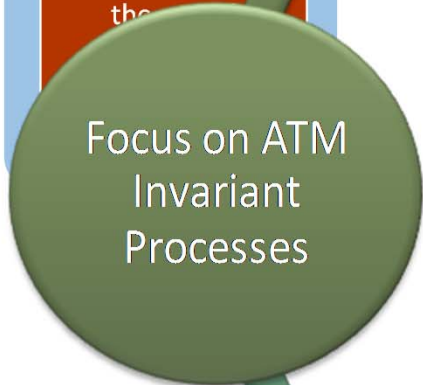
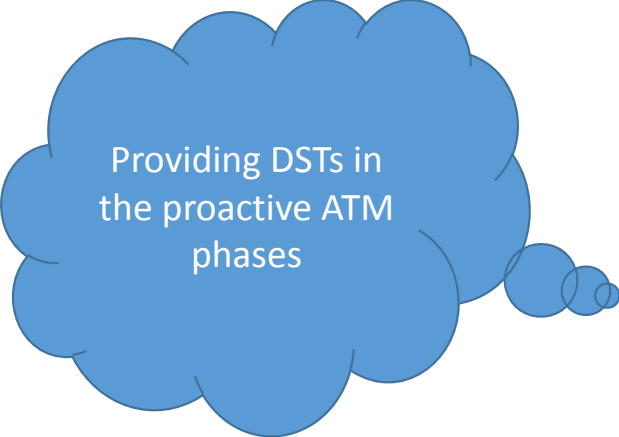


The Fifth SID: Report and Observations from Hala!

Francisco J. Saez Nieto



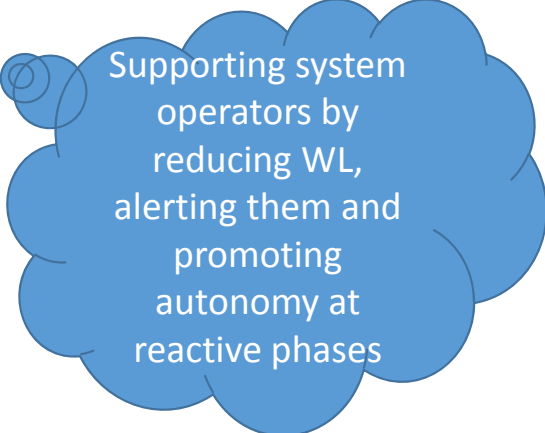
Today, when Humans demand support from automation?:
Under non-nominal scenarios (as TCAS)



Providing DSTs in
the proactive ATM
phases

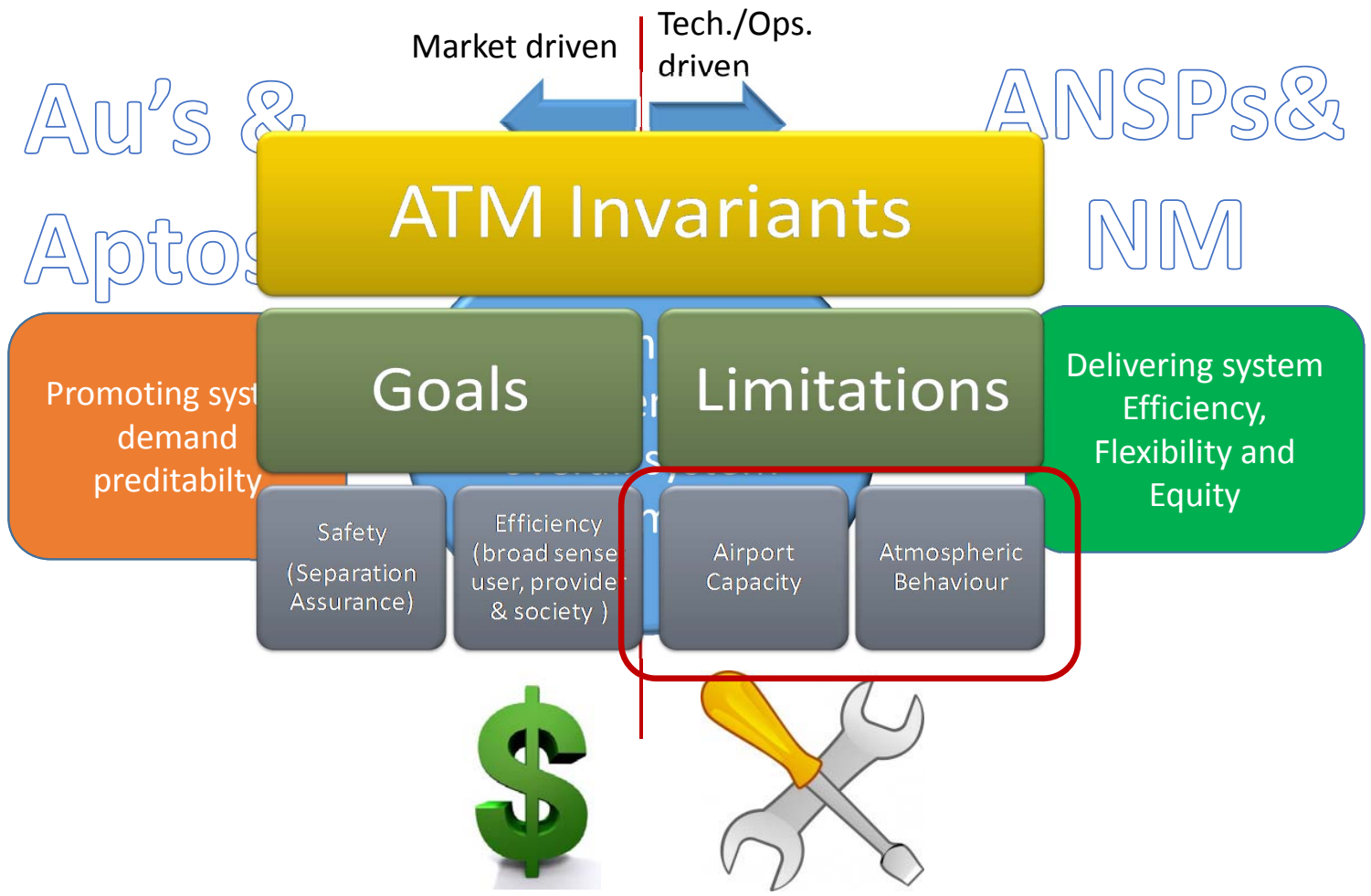


Improvement of
Processes through
the use of
Technology

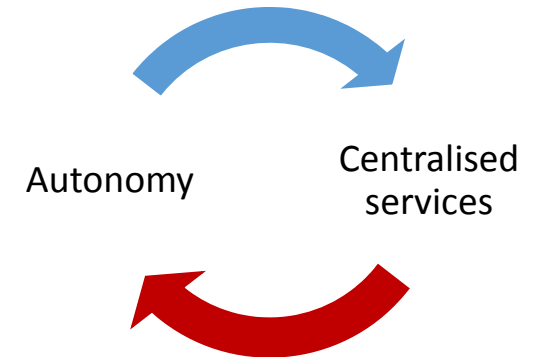


Supporting system
operators by
reducing WL,
alerting them and
promoting
autonomy at
reactive phases

Paradoxically:
Automation is better than human in processes that can be expressed by rules,
Whereas Humans are better in pattern recognition

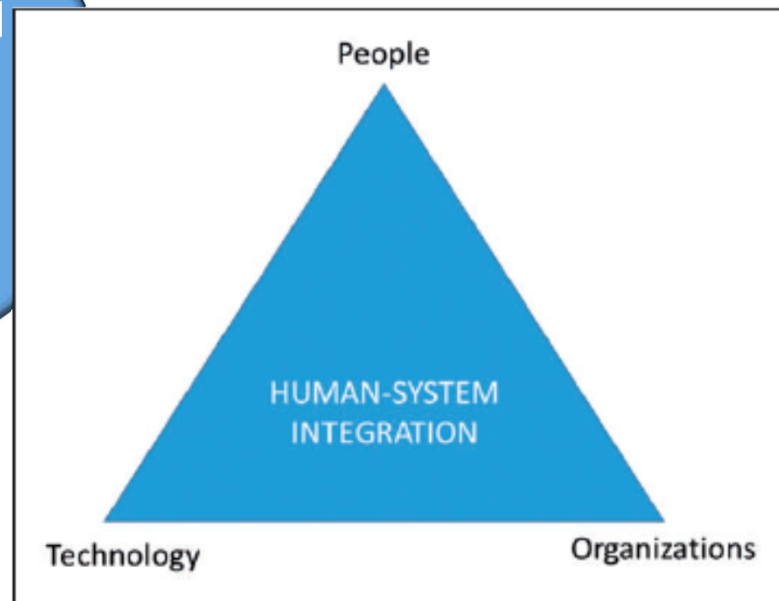


To what extent planning DSTs, based on optimization algorithms, produce reliable, useful outcomes and, on the other hand;



To what extent AUs can autonomously operate in a system with nodal constraints and airspace chaotic uncertainties

Function
allocation based
on:
Best time
Best place
Best player



Thank you!