

# ES<sup>2</sup> in 2010

# ES<sup>2</sup> in 2011

T. Licu      ESP+ Programme Manager

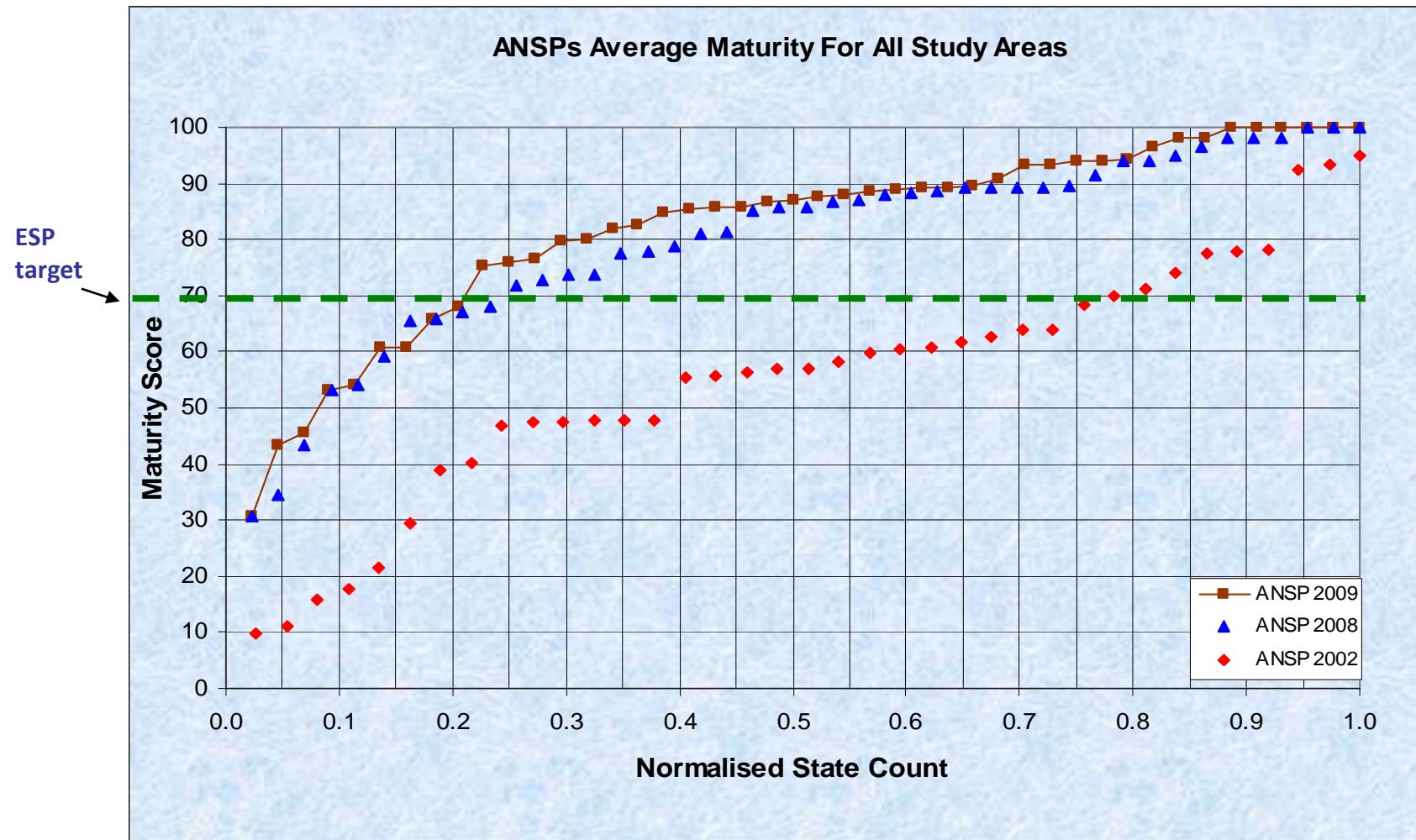
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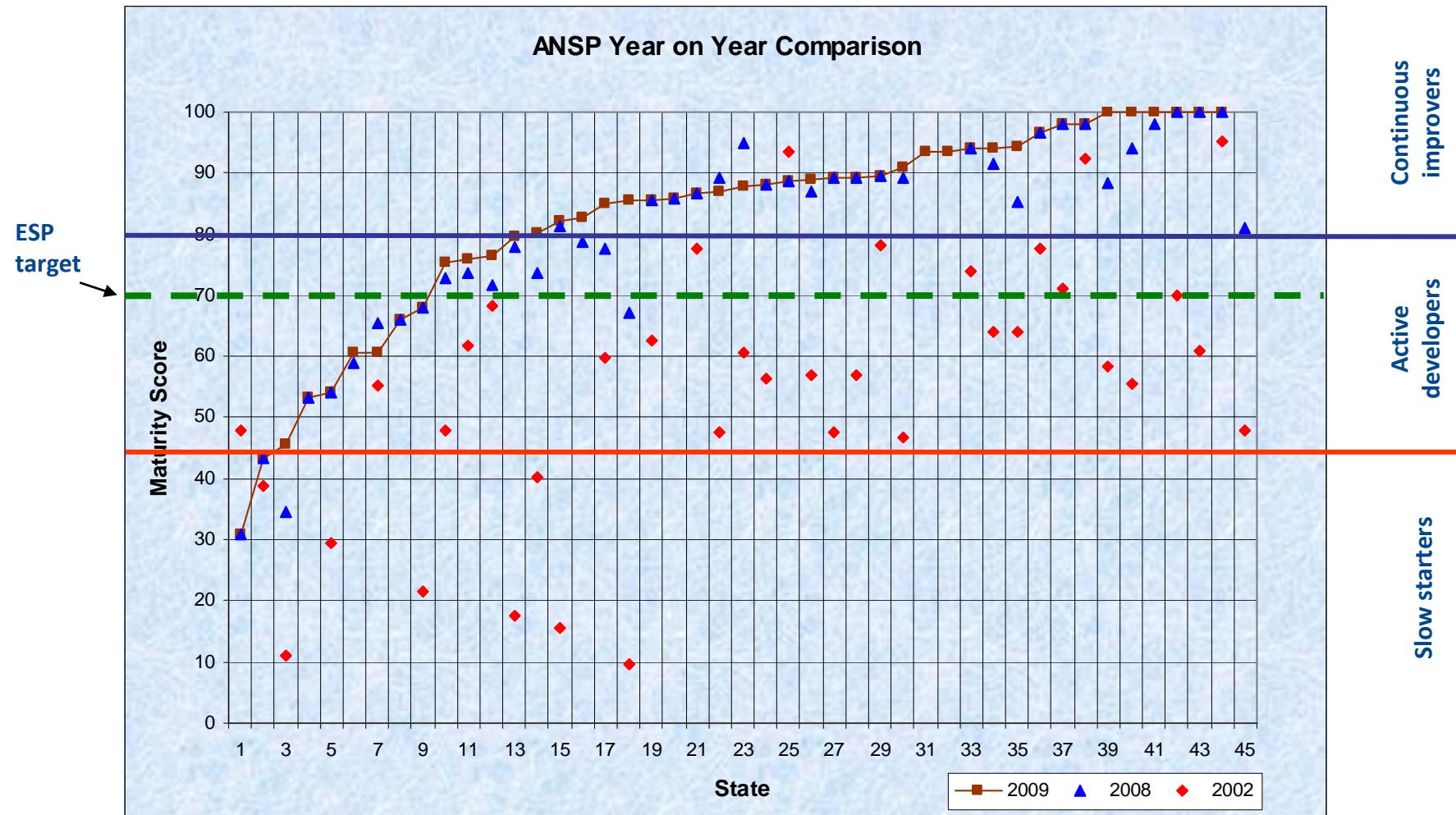


The European Organisation for the Safety of Air Navigation

# 2009 ECAC ANSP Maturity Profile



# Maturity Comparison (ANSPs)





## SASI became ES2 in 2010

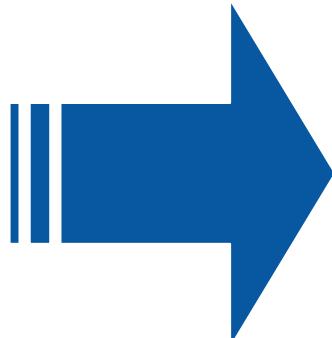
1. SMS Maturity levels have narrowed
2. All ANSPs certified
3. Subjects to deal with more complex issues
4. More exchange needed
5. SASI no longer support to ANSPs **but rather forum of exchange – ES2**

# What remained on the plate

## Development

SMS Implementation and Development

SMS Awareness



**Safety Maturity**

## Enhancement

Governance Principle of Management

Safety Culture and Safety Intelligence

Robust KPIs (leading and lagging) and tools

APF, RAT etc

Cost of SMS

Comprehensive Surveys (links to OPS)

Practical Safety Assessments

Human Factors integration in Safety

Systematic Safety Monitoring  
(ASMT + link with KPIs)

Interfaces with NSA & other Stakeholders



# [ES]<sup>2</sup> 2010 Programme

(Version 2.0)

Regulators are welcome to attend the [ES]<sup>2</sup> working sessions

TITLE	CONTENT	TARGET AUDIENCE	DATES	LOCATION
<i>WS 1-10 Benefits/Surveys</i>	Safety Benefits & Day-to-Day Observation	Safety managers Line Managers Safety Specialists (OPS & TECH)	4 – 5 MAR	EUROCONTROL Brussels <u>Belgium</u>
<i>WS 2-10 Safety Maturity / Cost of SMS</i>	New safety maturity questionnaires, explanation and usage  Use of SMS cost model	Safety managers Line Managers Financial Managers	29 JUN - 1 JUL	ROMATSA Bucharest <u>Romania</u>
<i>WS 3-10 Safety Monitoring and KPIs</i>	Safety monitoring/Development of a Safety Plan  Safety Key Performance Indicators-KPIs & Analytical Hierarchical Process-AHP  ASMT-Automatic Safety Monitoring Tool	Safety managers Line Managers Safety Specialists (OPS & TECH)	8 – 10 JUN	ENAV Rome <u>Italy</u>
<i>WS 4-10 Practical Safety Assessments</i>	Examples from ANSPs	Safety managers Line Managers Safety Specialists (OPS & TECH)	14-16 SEP	NAV Portugal Lisbon
<i>WS 5-10 CEOs Meeting SMS in Operation</i>	Annual [ES] <sup>2</sup> Report & Priorities for 2012  Weight of Safety in decision making	<b>CEOs</b>  Safety Directors/Safety Managers Safety Specialists (OPS & TECH)	26-28 OCT	SMATSA Belgrade <u>Serbia</u>



## Participation in 2010

- **Average of + 30 participants per session**
- **Average number of 12 organisations per session**
- **Total participation**
  - **Participants: + 120**
  - **Organisations: ~30**
- **No participation of regulators although invited**

## Themes and achievements in 2010

- Pretty much classical SMS implementation subjects
- Overall opinion that SMS implementation is now covered (results Safety Maturity confirm) with the exception of Safety Assessment (software, quantification and evolving legislation)
- Need to link with the themes to be seen later in the WS – i.e. Safety Culture, Safety Intelligence, Tools (APF, RAT, ASMT) and KPIs

# Trends, constraints and options for 2011

- **Strong request to address FAB safety case and FAB Safety KPIs**
- **Some remaining issues for SMS**
  - Safety assessment/Unit Safety Case/Quantification
  - Assessment of software (ESARR6)
- **Related subjects not fully completed**
  - Governance
  - Cost of SMS (practical tool) and link with Safety Maturity and Safety Targets
- **Budgetary constraints for all**
- **Should Regulators/NSAs be (more) involved or not?**
  - We are advanced in a project on NSA-ANSP interface

# [ES]<sup>2</sup> 2011 Proposed Programme

(Version 0.1 )

TITLE	CONTENT	TARGET AUDIENCE	DATES	LOCATION
<i>WS 1-11 Governance Cost of SMS</i>	Safety Key Performance Indicators-KPIs & Analytical Hierarchical Process-AHP Cost of SMS and Safety Targets	Safety managers Line Managers Safety Specialists (OPS & TECH)	TBD (March-April)	TBD
<i>WS 2-11 FAB Safety Case FAB KPIs</i>	Presentation and discussion of FAB safety Cases options by ALL FABs	FAB Safety WP Leaders Safety Managers FAB Projects Managers	TBD (June)	TBD
<i>WS 2-11 ESARR6/ESARR4</i>	Assessment of software Safety assessment	Safety managers Line Managers Safety Specialists (OPS & TECH)	TBD (Sept-Oct)	TBD
<i>WS 4-11 CEOs Meeting SMS in Operation</i>	Annual [ES] <sup>2</sup> Report & Priorities for 2012 Weight of Safety in decision making	<u>CEOs</u> Safety Directors/Safety Managers Safety Specialists (OPS & TECH)	TBD (Nov ?)	TBD

***Is your organisation willing to host an ES2 session? Proposals already received from BH and Cyprus***

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