



**EASA**  
European Aviation Safety Agency

# Welcome

## To the EASA Aircrew Action Plan Conference

**Your safety is our mission.**

An agency of the European Union 



# EASA

European Aviation Safety Agency

## Aircrew Action Plan Conference

EASA - Cologne, 15-16 June 2016

Chaouki Chabbi,  
Deputy head of aircrew and medical department, EASA

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# Project plan

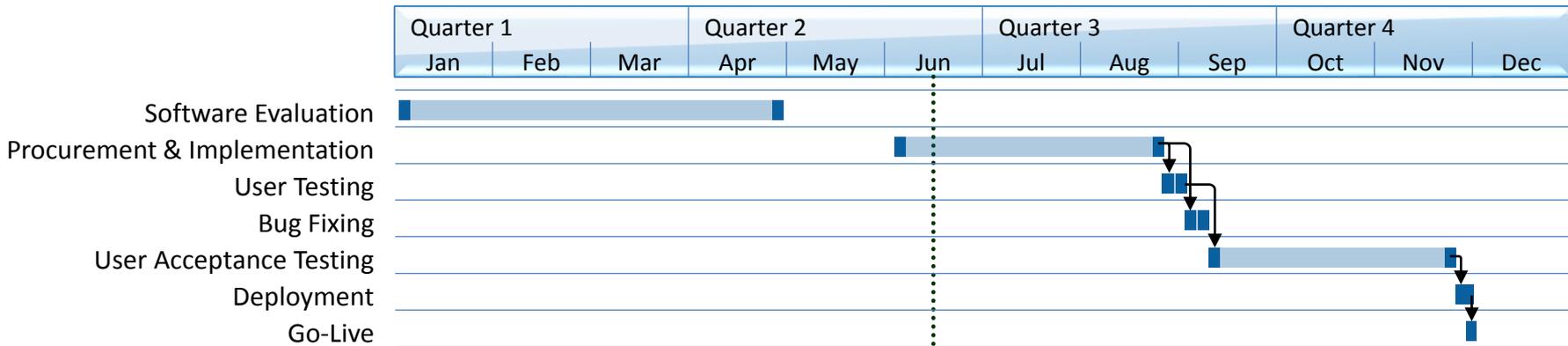
		Recommendations						
		1	2	3	4	5	6	
EASA	 WP2 - Air operations	2-persons in cockpit  → Survey on SIB → Report  <b>→ Updated SIB</b>	Psy. Eval. OPS    <b>→ IR+AMC/GM</b>	D&A OPS <b>→ IR+AMC/GM</b> ..... D&A Random <b>→ Impt Assmt</b> → New IR + AMC/GM			Pilot Support    <b>→ New IR + AMC/GM</b>	
	 WP3 - Aircrew		Psy. MED <b>→ IR+AMC/GM</b> ..... AME Trng <b>→ IR+AMC/GM</b>	D&A MED    <b>→ IR+AMC/GM</b>	AME oversight & networks     <b>→ IR+AMC/GM</b>			
	 WP4 - IT						<b>European Aero-Med data Repository</b>	
COM	 WP5 - Personal data					<b>Data protection /public safety</b> <b>→ Proposal to EC</b>		



# State of play *(main steps)*

- Dec 2015 → Workshop on Medical Fitness
- Dec 2015 → EAMR business analysis
- Jan 2016 → Consultation on concept papers
- Jan-Mar 2016 → Survey 2-persons-in-the-cockpit SIB
- Mar 2016 → Consultation on draft ToR for RMT.0700
- Apr-May 2016 → POD consultation with Adv. Bodies
- Apr-May → Impact Assessment on Rnd D&A testing
- May 2016 → Technical meeting for RMT.0700
- On-going → Consultation on regulatory proposal

## ➤ Outsourced Implementation



➤ Phase I (2016) → Manual EAMR

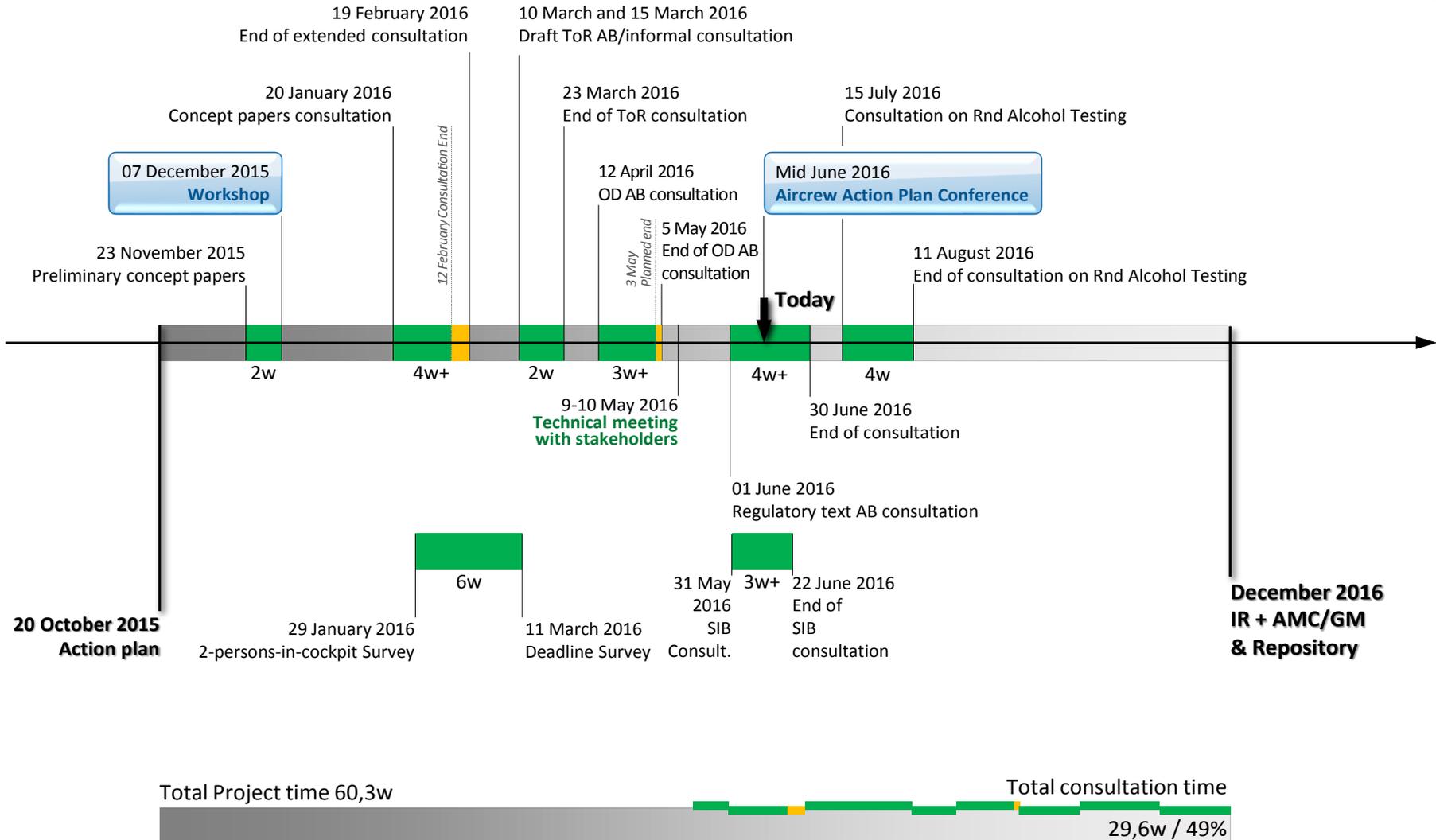
➤ Phase II (2017)

➤ NAA data migration → data cleaning and testing

➤ NAA system interface → development & testing



# Overview of consultation process





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# Why all this?

**For just one accident?**

*Answering the most frequently asked question*

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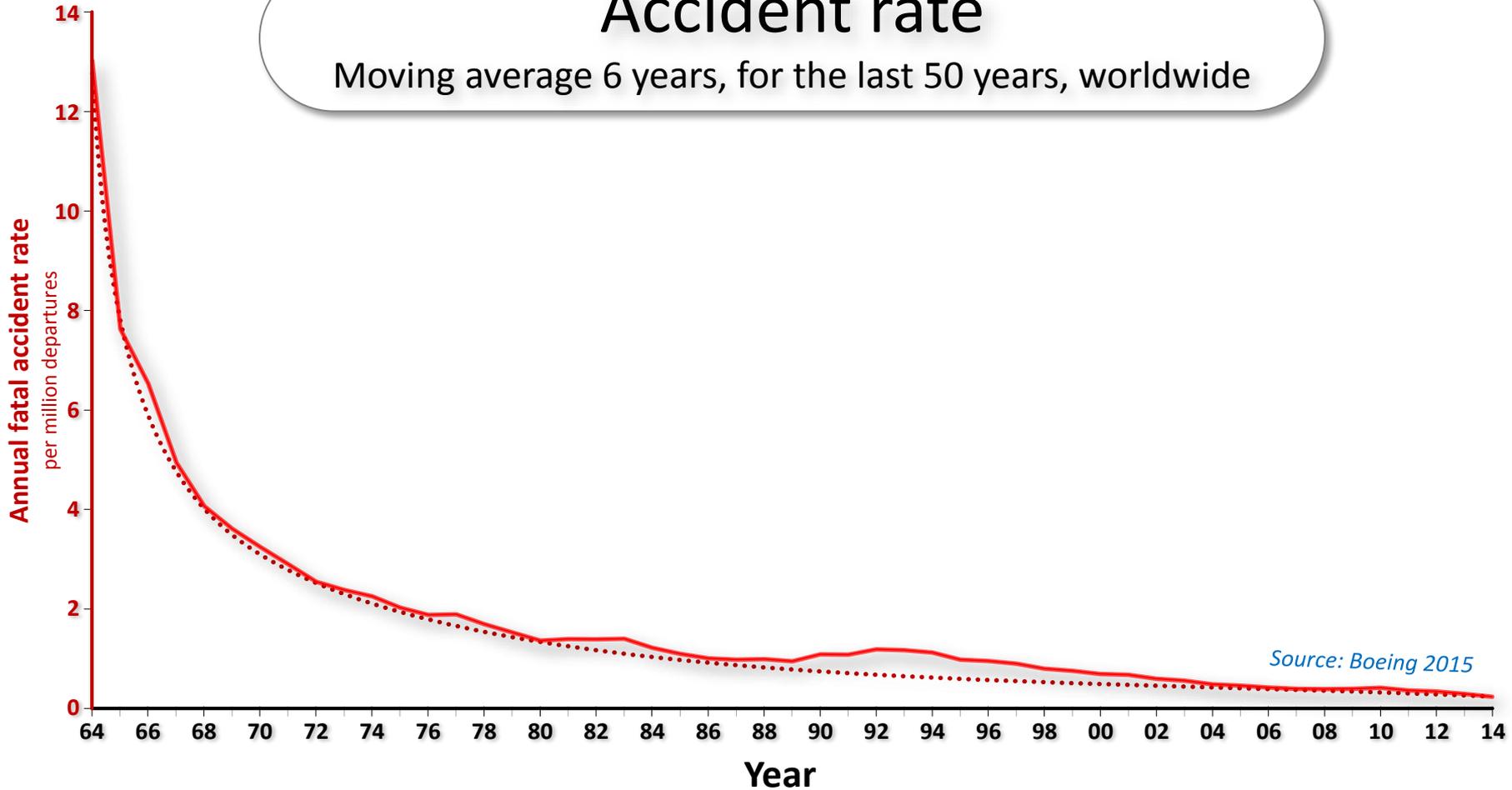
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# Aviation safety record

## Accident rate

Moving average 6 years, for the last 50 years, worldwide



Source: Boeing 2015



# Safety improvement rate



**This should not discourage from improving safety**





# Context: The European safety strategy



EUROPEAN  
COMMISSION

Brussels, 7.12.2015  
COM(2015) 613 final

2015/0277 (COD)

Proposal for a

## **REGULATION OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL**

**on common rules in the field of civil aviation and establishing a European Union  
Aviation Safety Agency, and repealing Regulation (EC) No 216/2008 of the European  
Parliament and of the Council**



## EXPLANATORY MEMORANDUM

### 1. CONTEXT OF THE PROPOSAL

- **Reasons for and objectives of the proposal**

With the aviation traffic in Europe predicted to reach **14.4 million flights in 2035 (50% more than in 2012)**, the Commission's objective is to make sure that the system continues to **maintain the current low number of accidents**

[...]



# Context: Safety impact in the EU



EUROPEAN  
COMMISSION

Brussels, 7.12.2015  
SWD(2015) 262 final

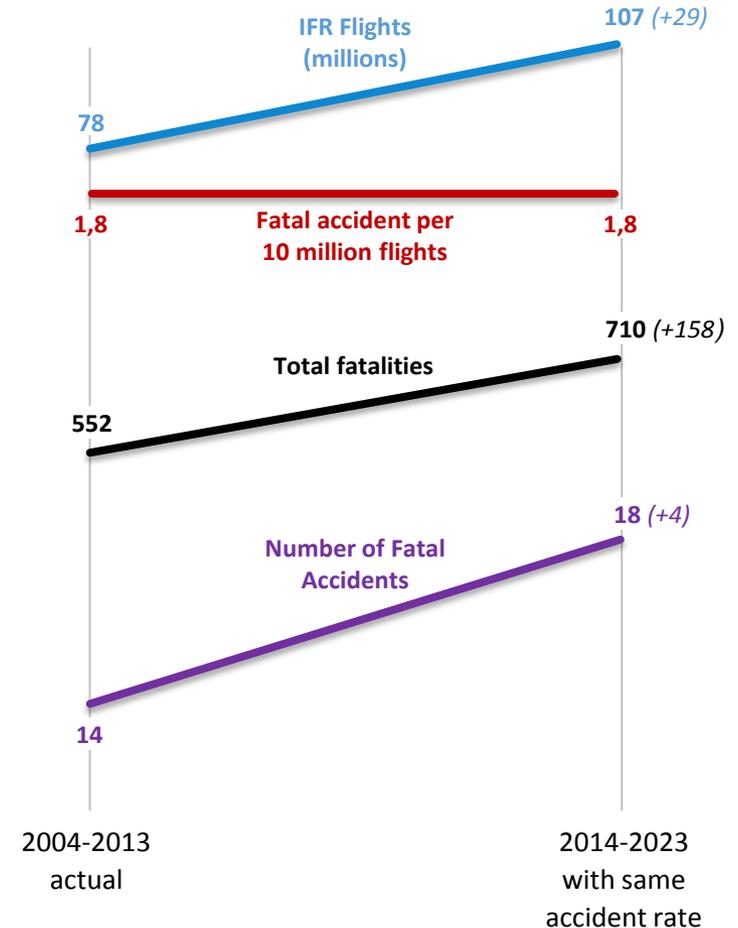
## **COMMISSION STAFF WORKING DOCUMENT**

### **IMPACT ASSESSMENT**



# Context: Aviation Safety Trends in EU

- It is reasonable to expect that the EU aviation system can **at least maintain the current accident rate**.
- This would however mean that the **number of fatalities would increase by around 30%** due to the expected increase in traffic.
  - +158 fatalities
  - +4 fatal accidents

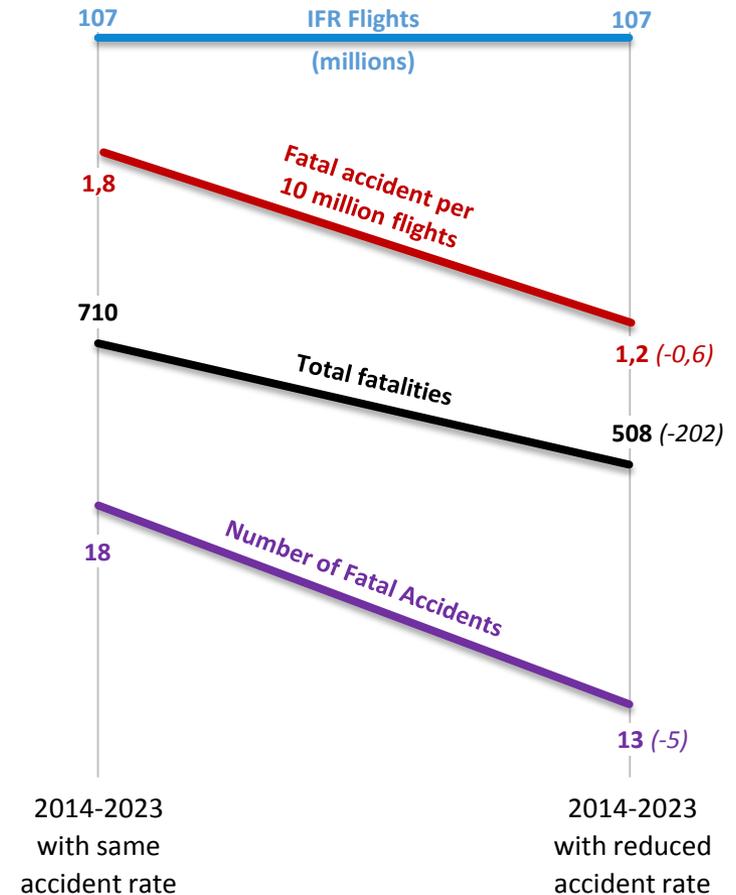


Ref. EU Commission staff working document SWD(2015) 262 final



# Context: Details on EU safety objectives

- Reduce **accident rate by 0,6** every **10 million flights** in the next ten years
- Expected results:
  - 202 fatalities avoided
  - 5 fatal accidents prevented



Ref. EU Commission staff working document SWD(2015) 262 final



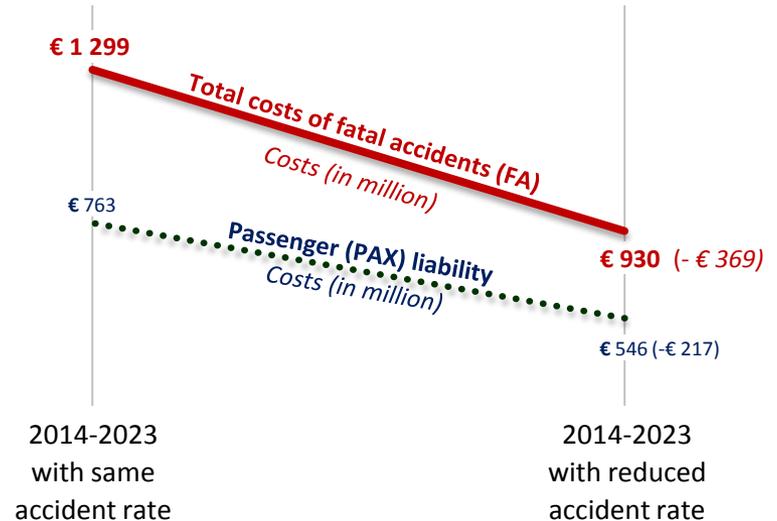
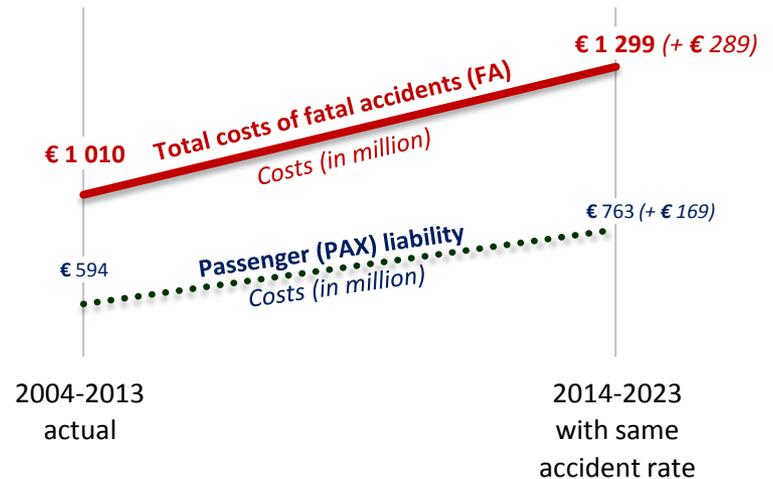
# Context: Safety in terms of costs

No reduction in accident rate:

- + 289 million € total fatal accident costs
- + 169 million € Passenger liability

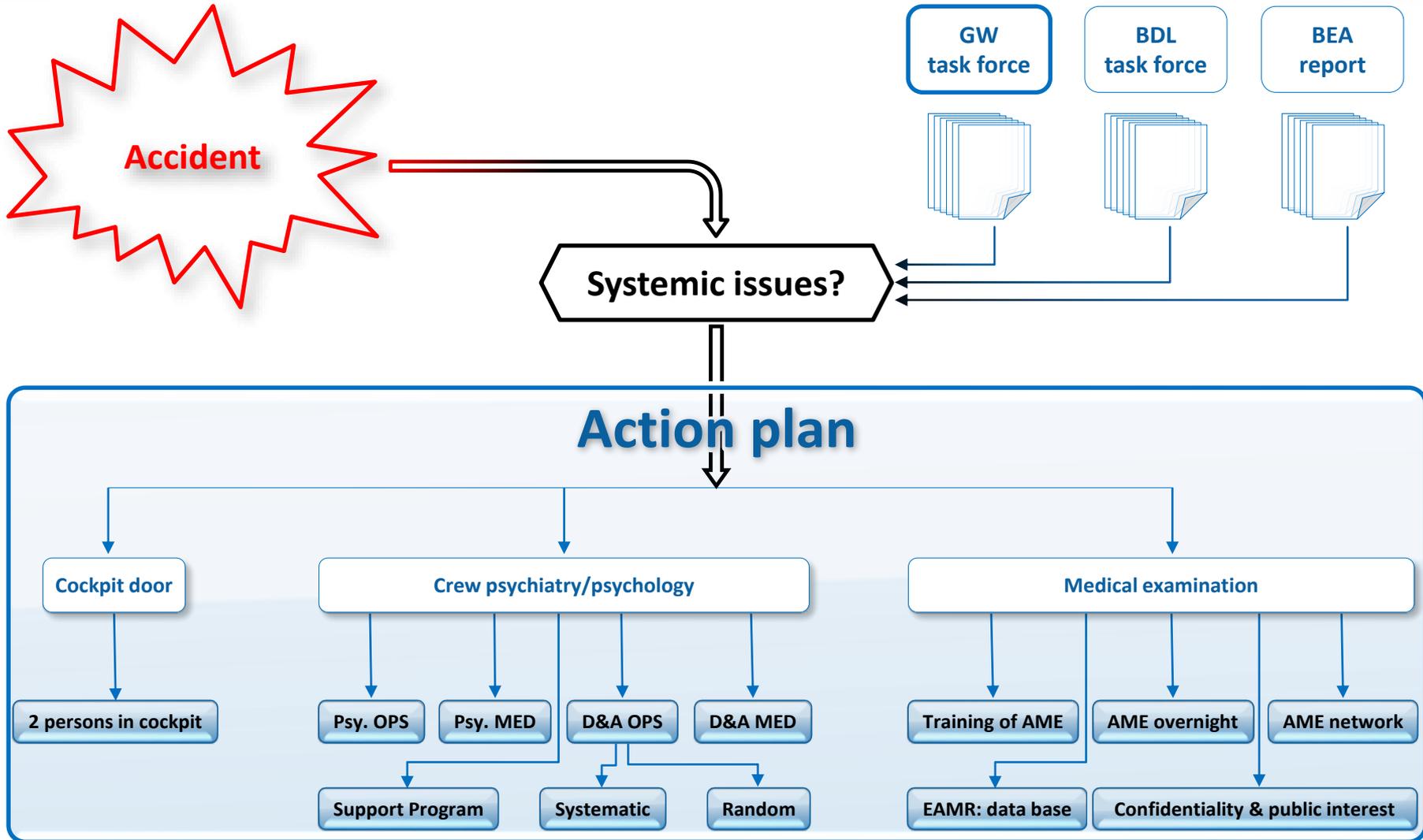
Fatal accident rate reduced by 0,6 every 10 million flights

- 369 million € saved total costs of FA
- 217 million € saved in PAX liability





# The global picture





# The multi-layer risk mitigation concept

Operators' recruitment process  
& Drug and Alcohol policy

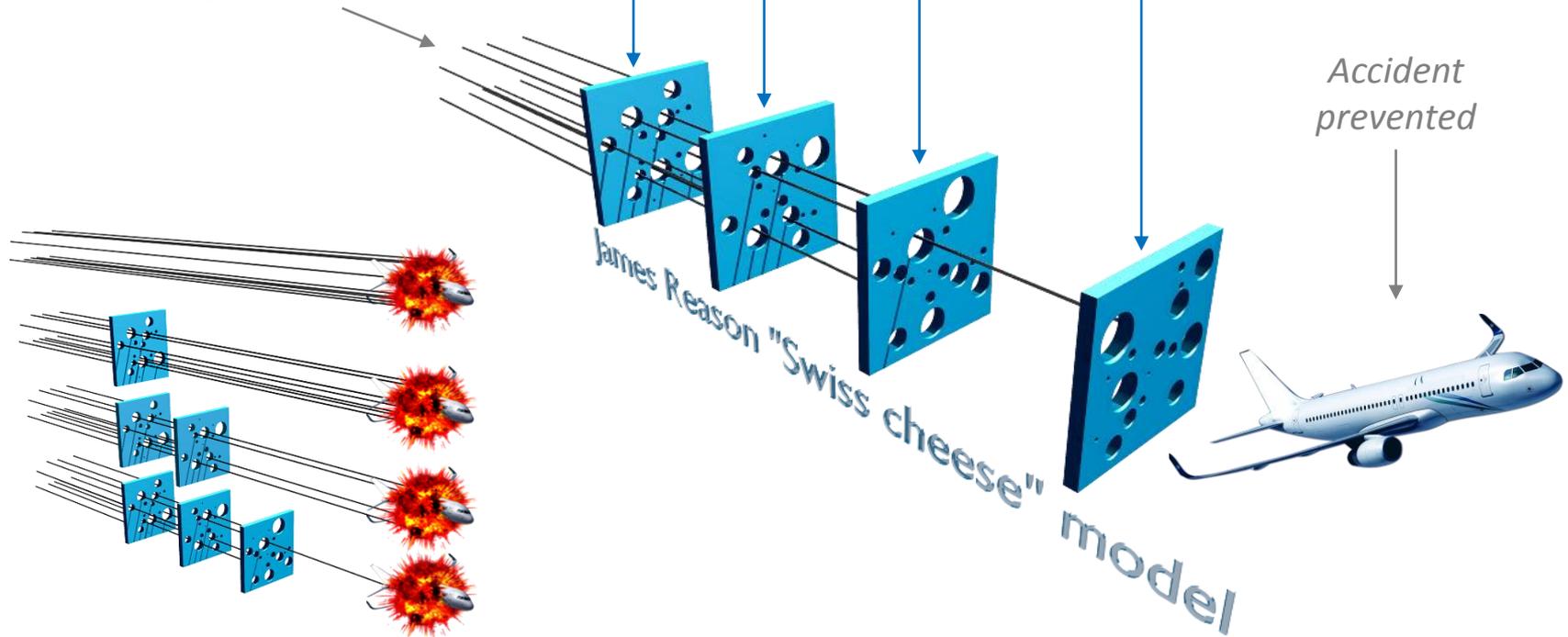
Class 1 Medical examination

*Contributing factors*

Crew support

EU medical certificate  
repository

*Accident  
prevented*

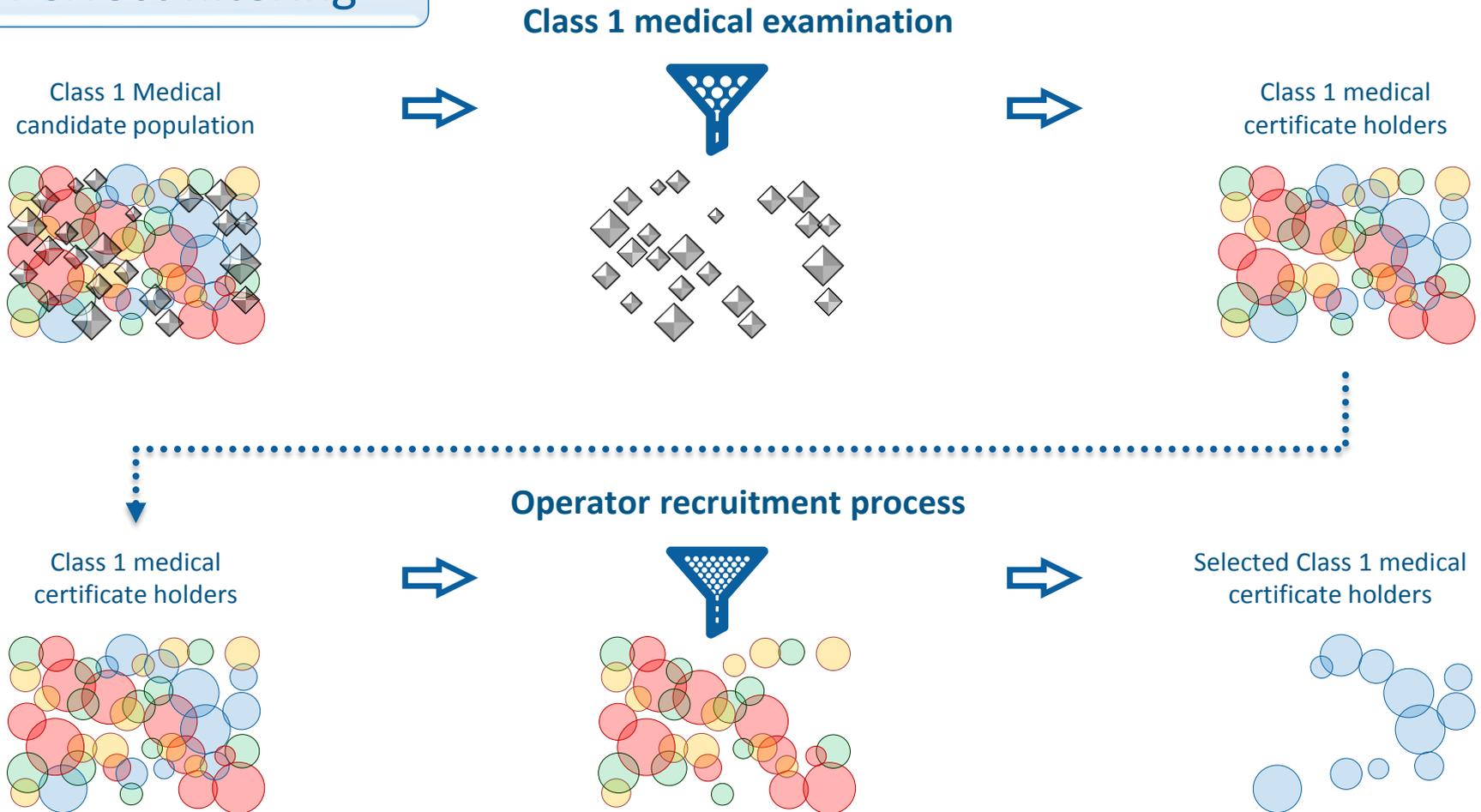




# Typical example: Psychological evaluation

*The perfect filtering model*

## Perfect filtering

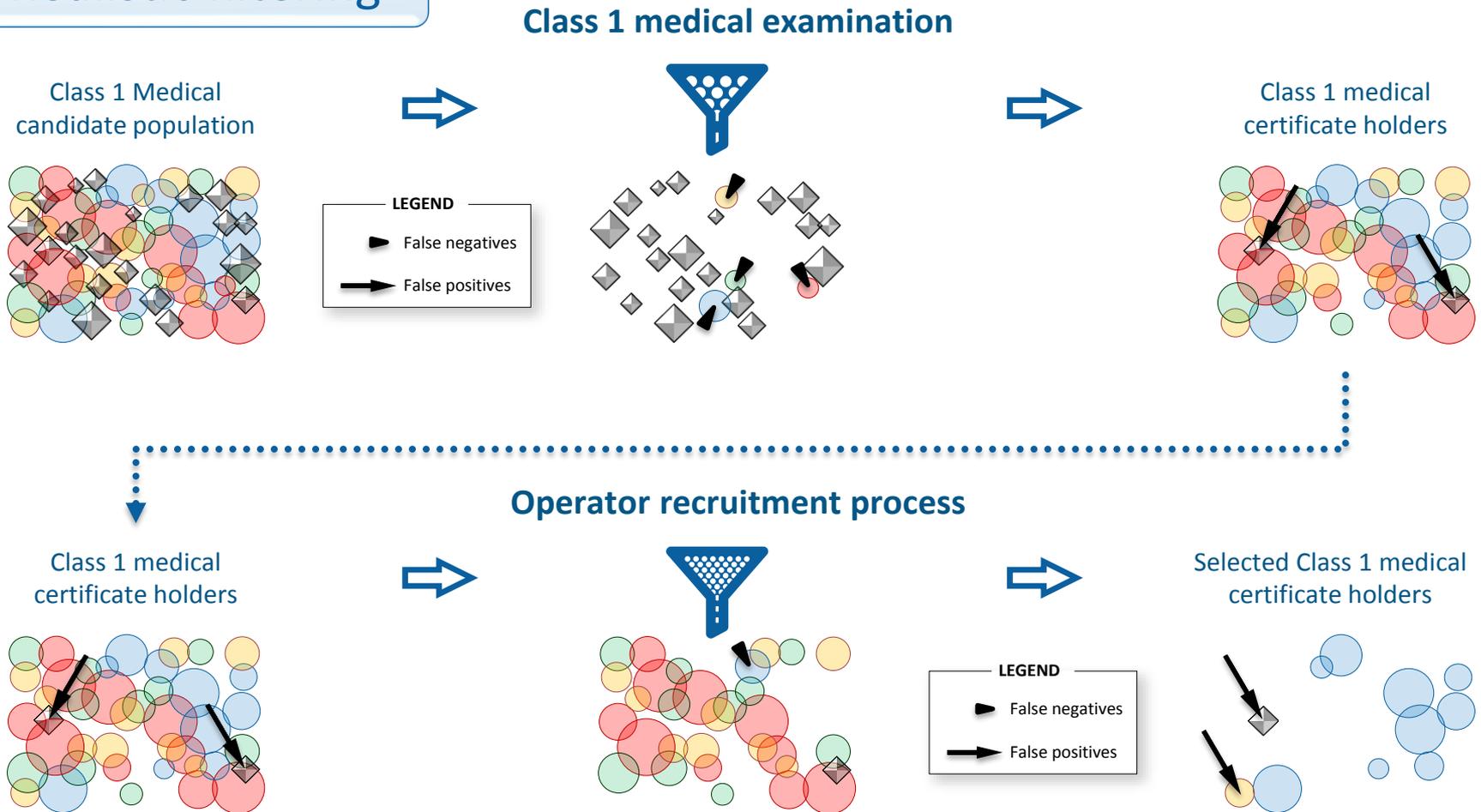




# Typical example: Psychological evaluation

*A more realistic filtering model*

## Realistic filtering





# Conclusion

- No single action is 100% efficient
- Each action is a step towards a safer system
- Improving safety is harder when safety level is high
- The Aircrew Action Plan is all about:
  - Acknowledging the above
  - Striving for a safer aviation system
  - Aiming for the EU strategic safety objectives i.e. reducing the accident rate by 0,6 per  $10^7$  flights in the next 10 years



# Objective of the conference

- Present the regulatory proposal
- Discuss the proposal
- Get feedback to identify potential opportunities for improvement



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# Thank you for your attention

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