



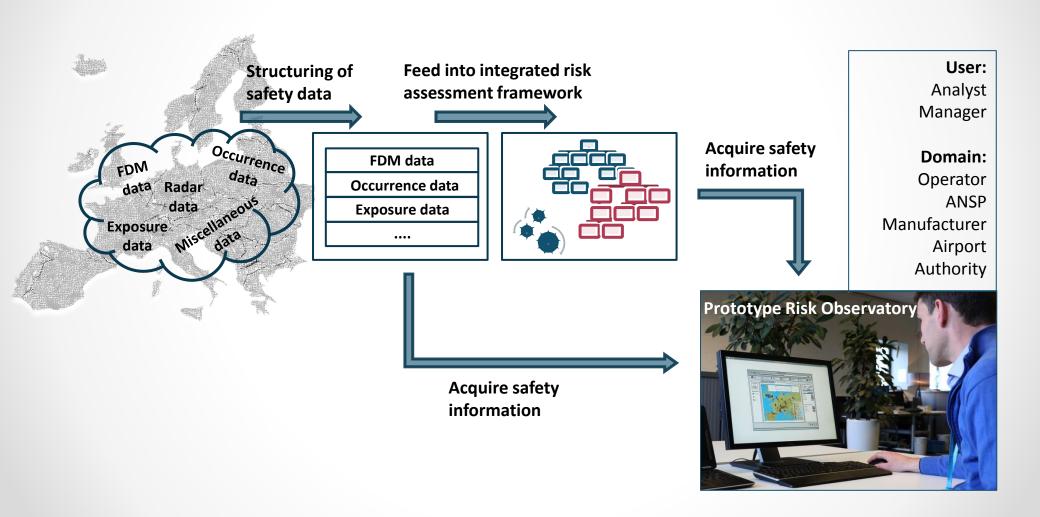
The Risk Observatory

Strengthening the ability to monitor safety performance





Introducing the Risk Observatory



SAFETY | FUTURE SKY 13 March, 2017 | 2



The elements of a Risk Observatory

It is software for end-users

P4 will deliver a prototype Risk Observatory (RO)



It is supporting software and hardware

P4 will specify software and hardware needs



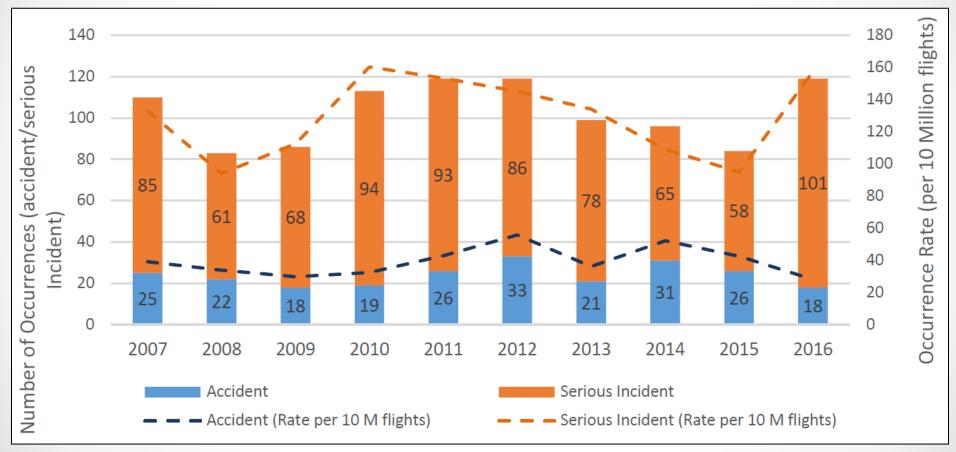
It is an organisation

P4 will deliver a RO organisation business model





Why we want a Risk Observatory



Source: EASA Preliminary Safety Review – 2017

SAFETY | FUTURE SKY 13 March, 2017 |



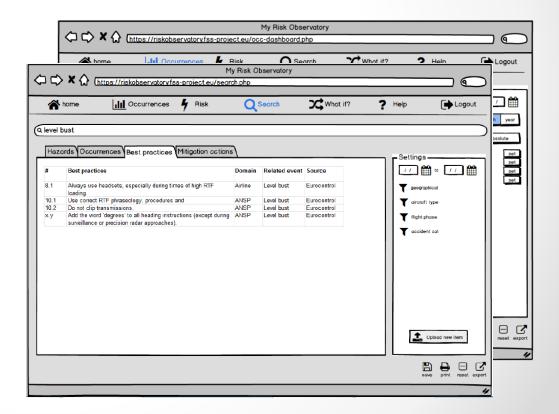
Compare safety performance

"What is normal performance?"



What the stakeholders want

How P4 delivers it





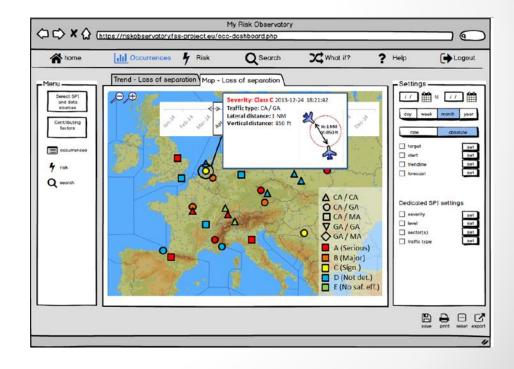
Facilitate joint actions

"Build momentum behind actions that will make a difference"



What the stakeholders want

How P4 delivers it





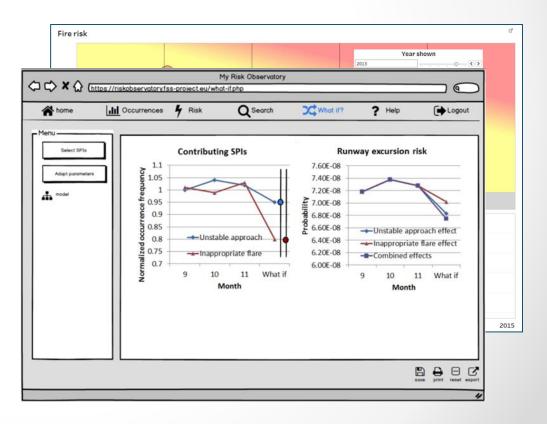
Focus on the highest risk

"We would like to prioritise hazards"



What the stakeholders want

How P4 delivers it





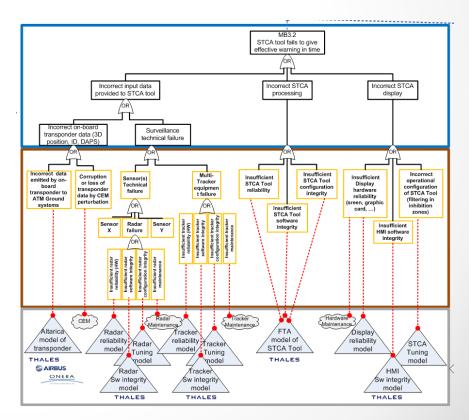
Tackle concerns at interfaces

"Ensure the interfaces are working together effectively"



What the stakeholders want

How P4 delivers it





How a RO helps to achieve the safety goal

- Raise the bar
- Best use of resources
- Learn from your peers
- Tackle big concerns together





Consortium

Stichting Nationaal Lucht- en Ruimtevaartlaboratorium
Deutsches Zentrum für Luft- und Raumfahrt
Office national d'études et de recherches aérospatiales
Centro para a Excelência e Inovação na Indústria Automóvel
Centro Italiano Ricerche Aerospaziali
Centre Suisse d'Electronique et Microtechnique SA
Institutul National de Cercetari Aerospatiale "Elie Carafoli"
Instituto Nacional de Técnica Aeroespacial
Výzkumný a zkušební letecký ústav, a.s.
Totalförsvarets FOrskningsInstitut
European Organisation for the Safety of Air Navigation

Civil Aviation Authority UK
Airbus SAS
Airbus Operations SAS
Airbus Defence and Space
Thales Avionics SAS
Thales Air Systems SA
Deep Blue SRL
Technische Universität München
Deutsche Lufthansa Aktiengesellschaft
Service Technique de l'Aviation Civile
Embraer Portugal Estruturas em Compositos SA

Russian Central Aerohydrodynamic Institute TsAGI
Ente Nazionale di Assistenza al Volo Spa
Boeing Research and Technology Europe SLU
London School of Economics and Political Science
Alenia Aermacchi
Cranfield University
Trinity College Dublin
Zodiac Aerosafety Systems
Institut Polytechnique de Bordeaux
Koninklijke Luchtvaart Maatschappij
Sistemi Innovativi per il Controllo del Traffico Aereo

http://www.futuresky-safety.eu

Future Sky Safety has received funding from the European Union's Horizon 2020 research and innovation programme, under Grant Agreement No 640597. This presentation only reflects the author's view; the European Commission is not responsible for any use that may be made of the information it contains.