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EACCC PANDEMICS 19 Exercise

Annual EACCC crisis preparedness exercise

Hans de Haan

EUROCONTROL NM Crisis Management Team

ICAO CAPSCA #7, 12 April 2019

EACCC





THE NETWORK MANAGER

CONNECTING THE NETWORK TO DELIVER IMPROVED PERFORMANCE

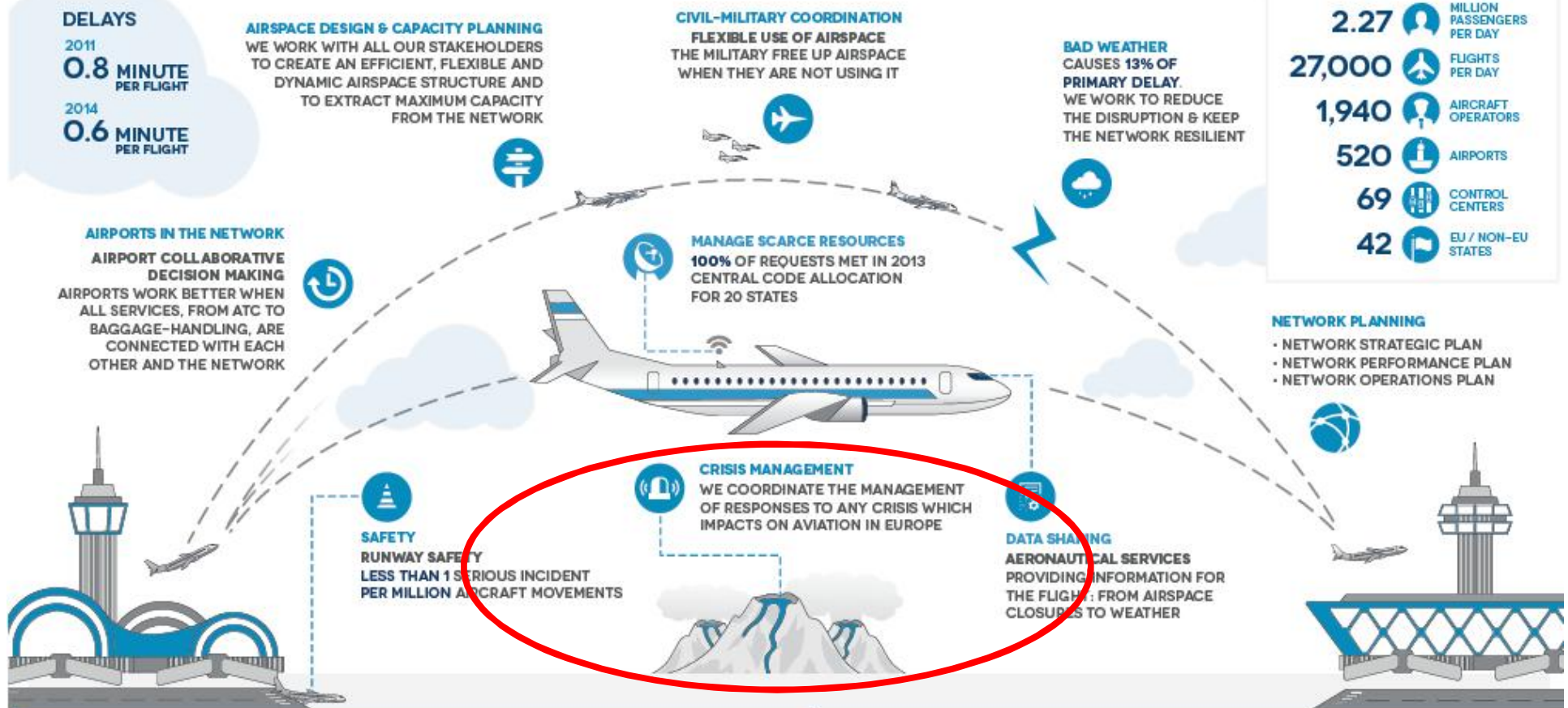


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THE NETWORK

- 2.27** MILLION PASSENGERS PER DAY
- 27,000** FLIGHTS PER DAY
- 1,940** AIRCRAFT OPERATORS
- 520** AIRPORTS
- 69** CONTROL CENTERS
- 42** EU / NON-EU STATES

- ### NETWORK PLANNING
- NETWORK STRATEGIC PLAN
 - NETWORK PERFORMANCE PLAN
 - NETWORK OPERATIONS PLAN



FLOW MANAGEMENT

SINCE 1995

WE MANAGE SURGES IN AIR TRAFFIC SO AS TO MINIMISE IMPACT ON THE NETWORK. FLOW MANAGEMENT MINIMISES FUEL BURN AND EMISSIONS BY HOLDING AIRCRAFT ON THE GROUND SO AS TO AVOID CONGESTION IN THE AIR

200,000 TONNES OF FUEL
600,000 TONNES OF CO₂

SAVED YEARLY

FLIGHT EFFICIENCY INITIATIVE

LAUNCHED IN 2013

WE OFFER AIRCRAFT OPERATORS THE MOST EFFICIENT ROUTES ON THE DAY OF OPERATION

32,644 MINUTES
202,700 NAUTICAL MILES

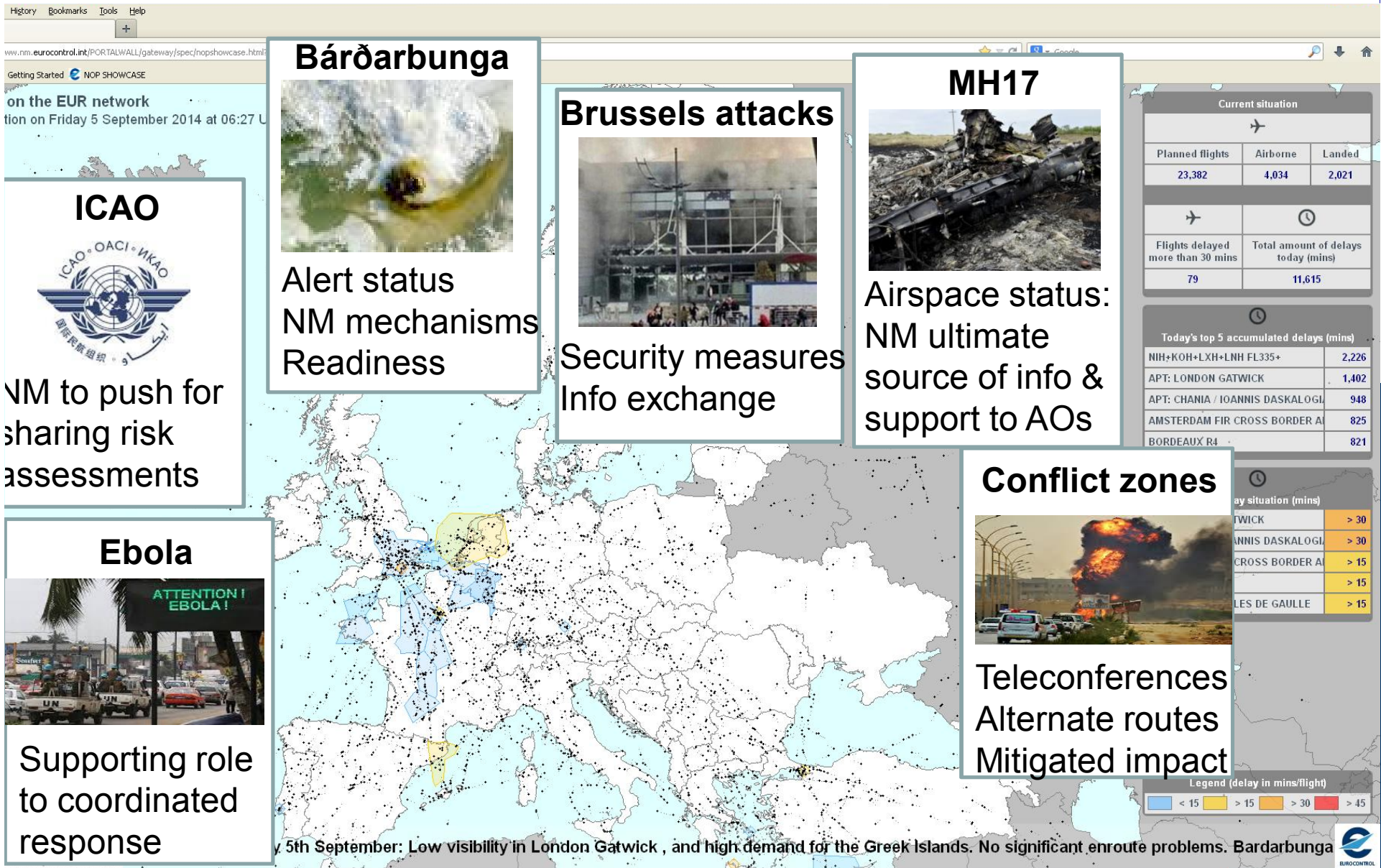
SAVED IN 2014

SAVINGS
GOOD FOR THE ENVIRONMENT

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Classification - TLP: green
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The Network Manager: 24/7 actor in coordinating & managing response to crises affecting aviation in Europe



Roles of Network Manager (NM) and European Aviation Crisis Coordination Cell (EACCC)

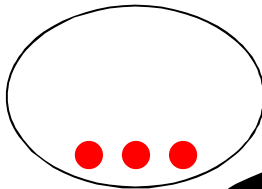
NM
&
EACCC

Coordinate management of response to the network crisis affecting aviation in Europe

EACCC activated to support the NM in political aspects of network crises



Members



State focal points



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Role of State Focal Points



Network Manager & EACCC preparedness



- ICAO Crisis Management Framework - EUR Doc 031
- EACCC risk register
- Training
 - Pan European Crisis Management Exercises
 - EACCC Workshops
 - State Focal Point Training sessions
 - Contingency and Crisis Management training at IANS (Luxembourg)

<https://trainingzone.eurocontrol.int> (GEN-CTG)



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Contingency & Crisis Management Course (GEN-CTG)

- Target audience contingency and crisis responsibilities from:
 - ANSPs
 - NSAs
 - Airports
 - Airline Operations
- Covering:
 - Regulatory requirements
 - Contingency planning (including risk assessments)
 - Crisis management and contingency operations

Preparing
for the next
crisis

European
Aviation
Crisis
Coordination
Cell (EACCC)



Exercise, exercise, exercise, ...



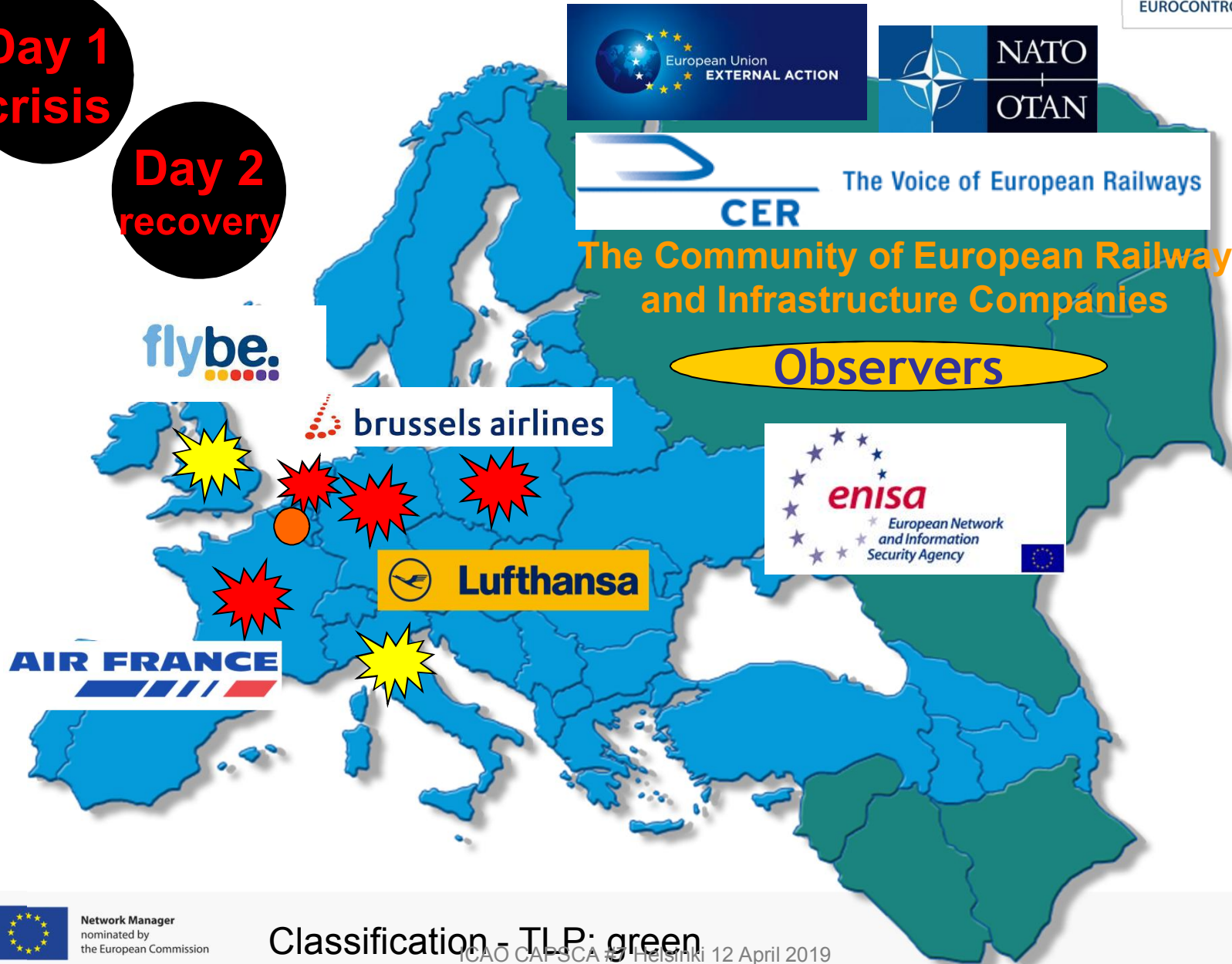
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CYBER 13 – scenario & participants



Day 1
crisis

Day 2
recovery



NUCLEAR 14 – scenario & participants



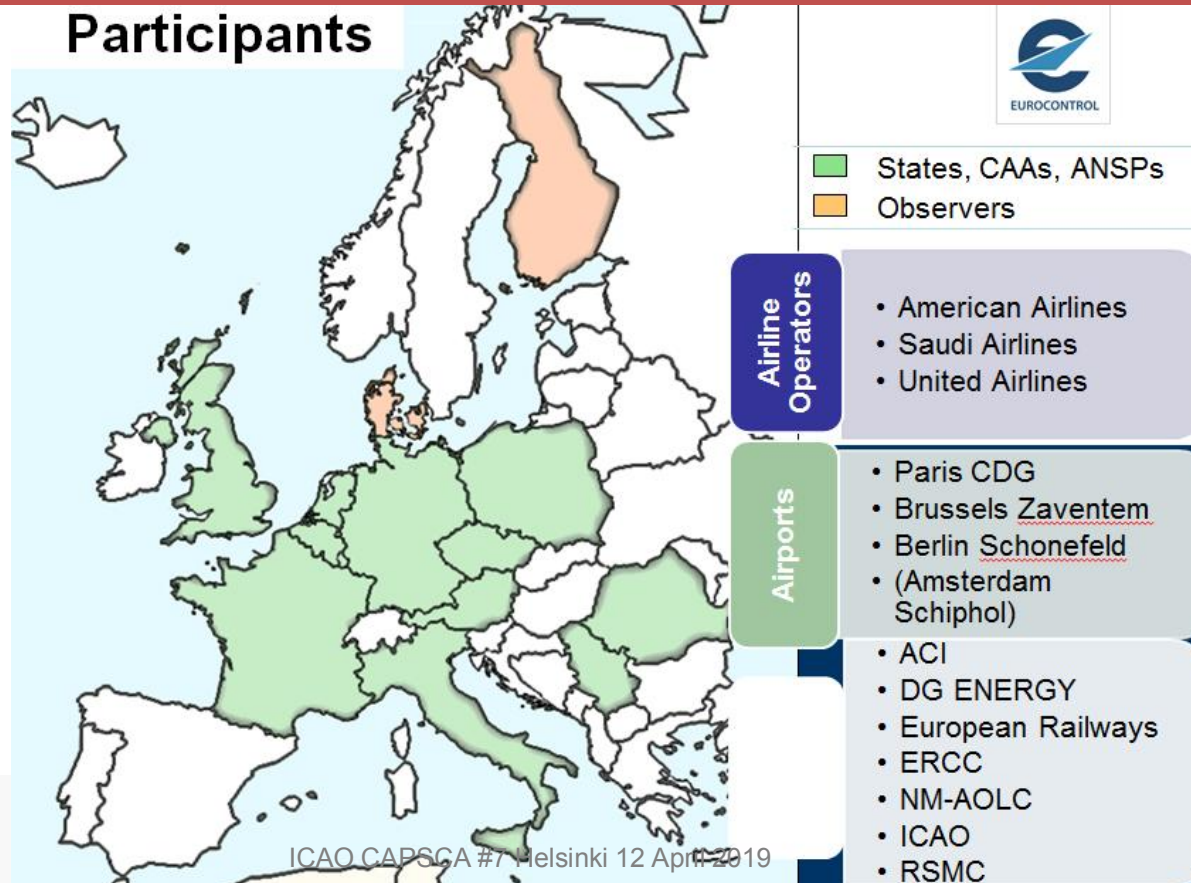
T0 Fatal incident at a Nuclear Power plant (NPP)

T0 + 1h State authorities order evacuation of the vicinity of the NPP

T0 + 2h NPP meltdown → airspace above (30km radius closed)

T0 + 2h45 NM receives the dispersion model output → forecast SFC-500m (RSMC)

Participants



SECURITY 15

- Held on 2-3 February 2016 - security related scenario

Bombs going off at 2 European airports simultaneously

Unclear if these bombs were just targeting the airport

Aviation all over Europe under threat

How will the different states (directly affected and other) react to the threat?

- 18 States + EACCC
- Security and aviation experts from airports, airlines, EC & NM

POWER 17

- Held on 1-2 February 2017 – blackout scenario

Full loss of power in 4 States

Test the response of aviation in major power failure events, including decision making and interfaces between crisis management, and operational organisations in aviation and power supply.

- 12 States + EACCC
- Expert Organisations: European Network of Transmission System Operators for Electricity (ENTSO-E)
- ANSPs, airports, airlines, EC & NM

EACCC18 – ATM coordination/cyber

- **13-14 March 2018** in Brussels
- Simulating a network crisis resulting from a pan-European **cyber-attack** affecting radar processing systems
- **Focus** on the EACCC coordination and communication of the European response in case of a pan-European cyber-attack targeting Air Traffic Management (ATM).

■ Directly affected from cyber-attacks
■ Indirectly affected (Under threat) from the cyber-attacks



ICAO volcanic ash exercise: VOLCEX 18, 28 November 2018



Getting ready for
the next eruption



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PANDEMIC19



19-20 March 2018 EUROCONTROL HQ Brussels



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EXERCISE SCENARIO





The PANDEMICS19 Exercise

- Objective
- Preparation
- Participants
- Scenario
- Discussions
- Conclusion

Objective

- The main objectives of EACCC exercises are:
 - Bringing stakeholder together
 - Check communications structures
 - Align views on acting during a crisis
- Out of scope are:
 - Testing preparedness of individual organisations
 - Finding solutions for specific scenarios

Preparation

- The preparation takes about a year
- Selection of a scenario
- Stakeholder identification
 - Directly affected, indirectly affected
- Scenario framework development
- Input from stakeholders
- Simulations of network impact (if necessary)
- Preparation sessions with stakeholders
- Exercise execution

Participants

- EACCC
 - Representing aviation stakeholders, military and EU
- EACCC state focal points
 - Representing state crisis organisations
- EU
 - DG SANTE
- National health authorities
- International health organisations
 - WHO
 - ECDC
 - ICAO CAPSCA
- Individual stakeholders

Scenario

- Outbreak of flu-like disease
- Immediate high media attention
- Cases spreading to neighbouring countries
- Measures are taken by appropriate authorities
- Sick passengers on board of airplanes
- Some countries restricting flights from affected region
- High international pressure
- Risk of cancellation of a high profile event

Day 1-4

- Early media coverage of a flu-like disease
- Sudden death of 5 previously healthy young persons in Stockholm
- The National IHR Focal Point (NFP) of Sweden notifies the WHO Regional IHR Contact Point in Copenhagen
- This event (unclear flu-like illness, death of 5 people, media interest) is posted to the Early Warning and Response System (EWRS) as 'other information'

Media attention



SVENSKA DAGBLABLA [Nyheter](#) [Näringsliv](#) [Kultur](#) [Ledare](#) [Debatt](#) [Tidningen](#) [Meny](#)

Tisdag 26 feb 2019 [Prenumerera](#) [Logga in](#)



Senaste nytt

- Har Gotland varit en självständig republik?**
KULTUR 1 tim
- Visselblåsaren: "Thunberg är en av mina hjältar"**
VÄRLDEN 1 tim
- Skogsstyrelsen: Rättsläget är oklart**
DEBATT 1 tim
- Elever stängs in – larm om varg i Karlskrona**
SVERIGE 1 tim

[Visa fler nyheter](#)

Deadly virus raging in Stockholm

Public Health Agency declares outbreak

By LIAM SNUGGLES
Published: Tue, 26 Feb 2019

An unknown virus type has broken out in Stockholm, where several people have been killed by the deadly disease already. The rate at which it can infect and hospitalise people is insane.

The Public Health Agency of Sweden has declared an outbreak. In a statement it is explained that the outbreak is out of control and further cases all over Sweden cannot be excluded. Investigation is ongoing. No cure, no vaccine or medicine is available to stop the virus.

The World Health Organisation (WHO) has been activated to organise additional health equipment and doctors to cope with the expected dramatic increase in cases.

Annons

Typ som Blocket. Fast för jobb.

Blocket

blocket jobb

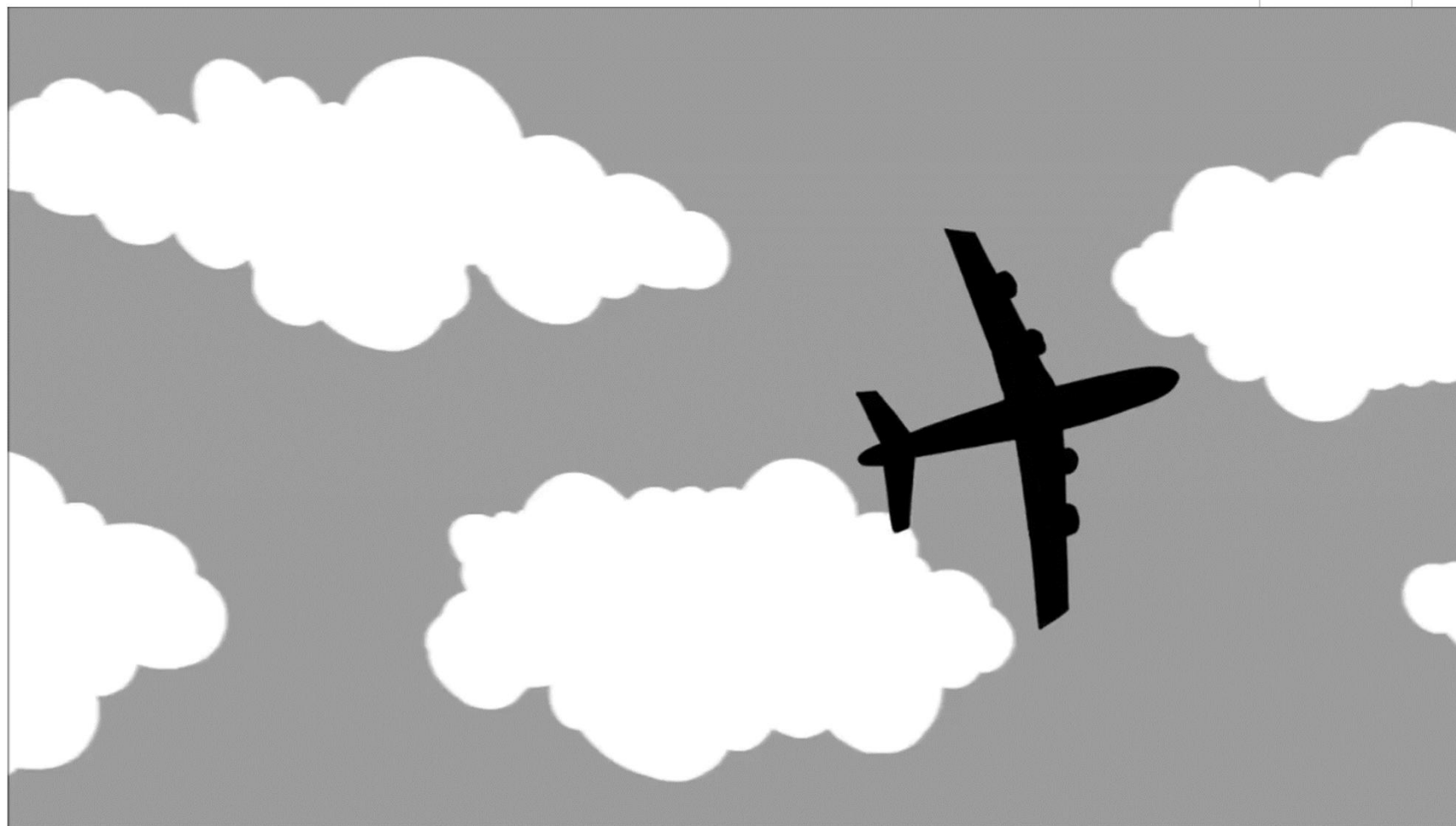
[Hitta ditt drömjobb](#)

Day 5



- First results of investigations are available indicating that no medical countermeasures are available.
- ECDC completed the Rapid Risk Assessment
- Swedish authorities declare national outbreak
- No travel and trade restrictions recommended by WHO
- NM Crisis Management Team starts to monitor the situation and prepares a fact sheet





Day 7

- Further cases are reported including onboard cases at Scandinavian airlines
- WHO convenes IHR Emergency Committee
 - No PHEIC is issued

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SAS - Scandinavian Airlines
@SAS
The largest airline in Scandinavia, flying to and from Europe, North America and Asia. #wearetravelers #flysas
Sweden/Norway/Denmark
flysas.com/en/
Joined March 2007

Tweet to SAS - Scandinavian Air...

Compose new Tweet

SAS - Scand...
Is Copenhag...

#flysas #Cop...

@K1553. Severely ill passenger two rows in front of me. Is it the killer virus????! OMG!!! No info from the flight crew - are we all infected - SAS HELP!!!! #copyallmedia #killervirus #survive #virusarrivesinAMS

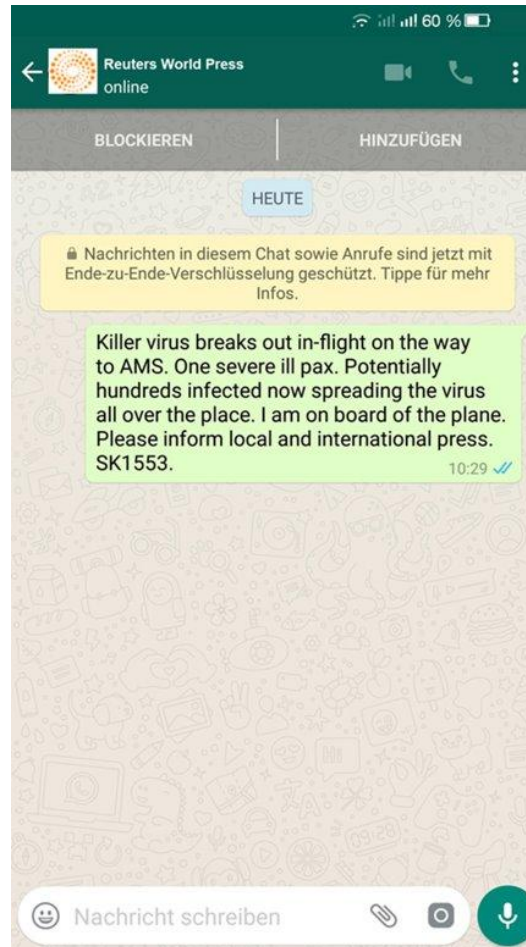
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WhatsApp



Day 8



- EACCC is activated
- EACCC request contributions from the State Focal Points for the fact sheet

Day 9

- WHO Emergency Committee declares a Public Health Emergency of International Concern (PHEIC)
- Guidelines and recommendations are issued
- Not all countries follow the guidelines and recommendations. Local (sometimes impractical) measures are taken
- Incidental travel bans are implemented
- Due to media attention travel demand decreases resulting in flight cancellations
- Some airline operators refuse to fly to affected countries

Media hype



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Virus crisis response: WHO and Swedish Government accused of 'failure'

6 March 2019

Facebook Messenger Twitter Email Share



The WHO is accused of underestimating the impact

Poor communication and incompetent staff is the reason why the World Health Organisation failed to react swiftly to the killer virus outbreak in Sweden, reports say.

Hundreds of people dying, thousands infected - the seemingly ineffective measures implemented by the Swedish Health Authorities raises one big question: WHAT ARE THEY DOING?

Killer virus crisis

Is it time for a global travel ban?

Killer virus - a disaster for the European economy

Pharmacies close doors after riots for anti-virus jab

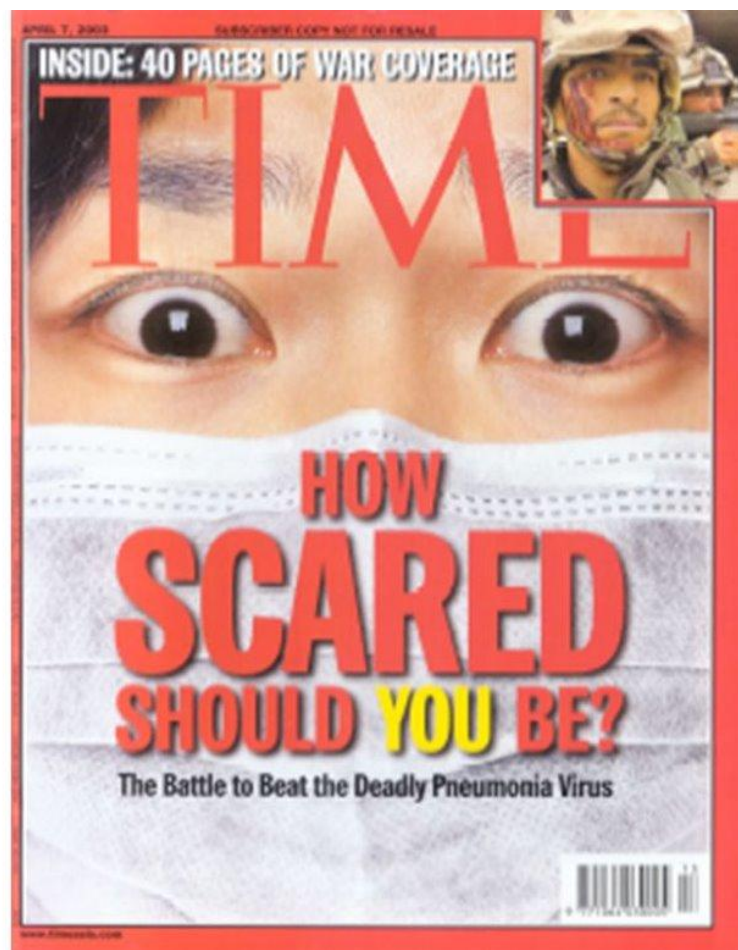
Swedish killer virus completely out of control

Features



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Media hype



Day 10



- A second Health Security Commission meeting is held. Other EC services are involved in the meeting
- In flight passenger casualty increases media attention leading to panic





Day 12



- More cases throughout Europe reported
- Pressure to cancel large conference in Sweden
- Second Emergency Committee meeting scheduled



LESSONS LEARNED



Early outbreak reporting

- National level
 - First reporting will normally be done on the national level (in this case Sweden)
- European level
 - The EWRS can be used by a national health authority to inform other health authorities
 - The reporting to the EU is compulsory when several criteria are met
 - The dissemination of information from the EWRS is restricted by law to designated health authorities in the EU and EEA member states
 - ECDC publishes a weekly summary of events on Fridays
 - This summary is publicly available
- WHO
 - The WHO has a dedicated unit that scans the media worldwide for signs of an outbreak
 - WHO has a global network for notification of early events: the EIS notification
- ICAO
 - **At this point ICAO sees a major communications gap between the health and aviation communities**

Outbreak development

- When the outbreak is confirmed and spreads, the collaboration between the HSC, ECDC and WHO is intensified.
 - ECDC convenes the Health Security Committee (HSC)
 - This can be requested by the outbreak country, but can also be triggered by media attention
 - It requires 24 hours notice
- IATA asked whether this would be the first communication to the aviation sector.
 - The reply was that on national level the aviation authorities are informed earlier
- It is not clear when bodies like EACCC are notified
 - ICAO proposes that the International Health Regulation focal points get in touch with the EACCC state focal points in case of an outbreak
- The EU member states have to coordinate the measures that they are going to take upfront with the EU (DG SANTE)
 - In case of urgency, this may be done afterwards

Involved stakeholders

- Large number of involved stakeholders
 - National and international level (WHO, ICAO, EC)
 - Different domains (health, aviation)
- Roles and responsibilities are not always clear
- Aviation focal points (EACCC) need to connect to health focal points (IHR and ICAO CAPSCA)

Practical issues

- Effectivity of screening:
 - Entry vs exit screening
- Passenger Locator Card
 - The PLC process is not clear
 - Consensus that PLCs are more effective than screening
- Quarantine airports
 - Who maintains the list?

Information sharing

- ECDC flash reports
- EACCC factsheet
- WHO Emergency Committee recommendation
 - Public Health Emergency of International (or Regional) Concern
- WHO offers risk communication package for national authorities
- ICAO will open a dedicated CAPSCA website
- Notification of departure and destination airports in case of reported passengers
 - As required by Doc 4444
 - This may have practical limitations

Main conclusions

- Processes within domains are mostly clear
- Cross domain communication needs to be improved
 - This also includes the understanding of consequences
- Cross domain exercises should be done more often



Thank you!

johannes.de-haan@eurocontrol.int

European aviation sector reacts