



Severe Weather Event

April 2024

United Arab Emirates
General Civil Aviation Authority



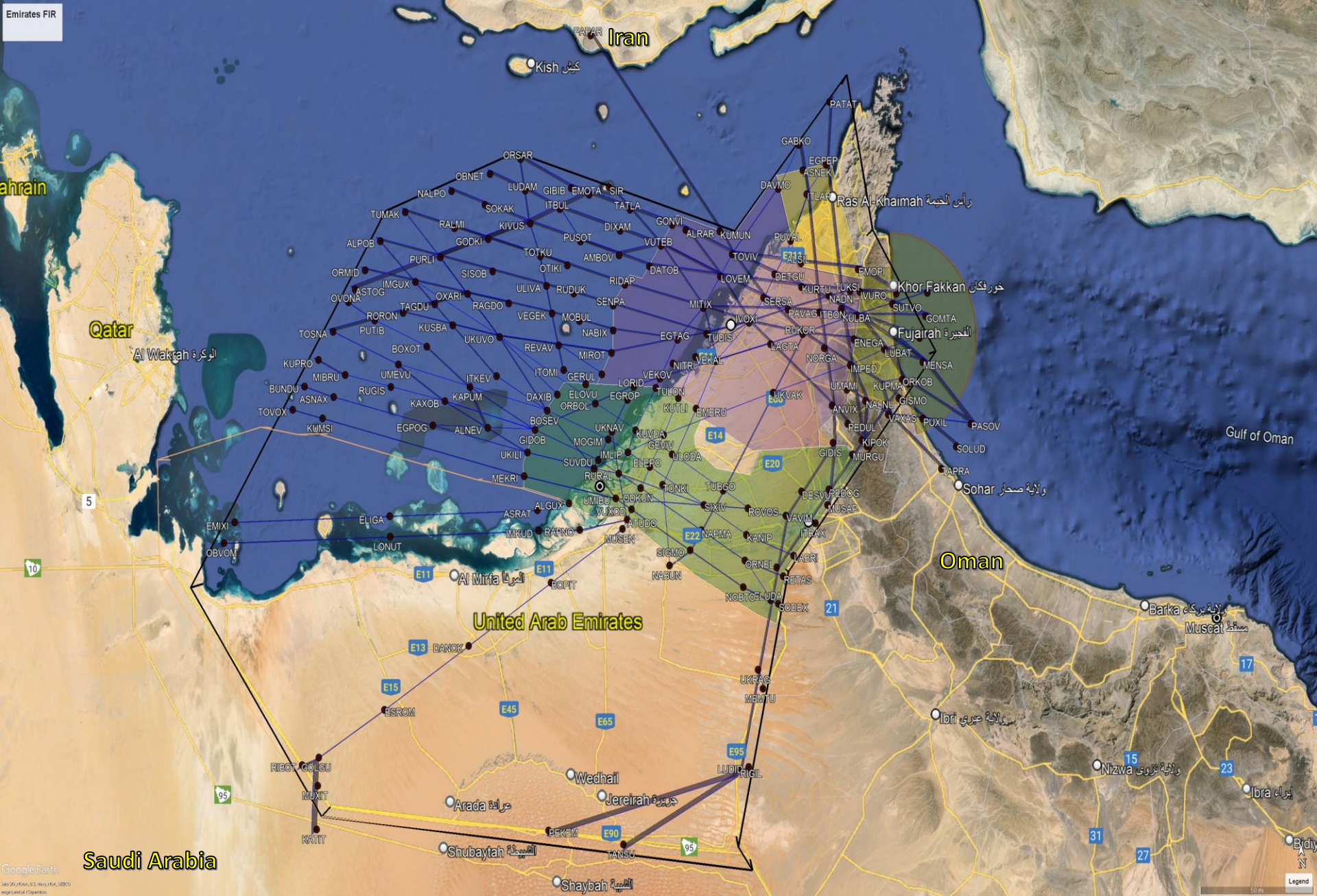
Introduction

- The UAE witnessed the largest amounts of rain in its modern history, and the largest since the beginning of recording climate data in 1949, as the amount of rain reached more than 254.8 mm according to the National Centre of Meteorology, which announced that this amount is the highest since 75 years. Stressing that this heavy rainfall represents an exceptional event that contributes to increasing the average annual rainfall in the UAE as well as enhancing the groundwater reserve in the country in general.



Introduction

- And as per academics and experts in climate change and weather have confirmed that the intense and unprecedented rain that the UAE witnessed on April 16 is part of the severe and exceptional climate shifts that the world is witnessing in light of the record increase in carbon emissions
- The amount of rain that fell is unprecedented and is equivalent to the amount of rain that the UAE witnesses in two years and is also equivalent to the amount of rain that falls on London in 7 months on average.



General Information

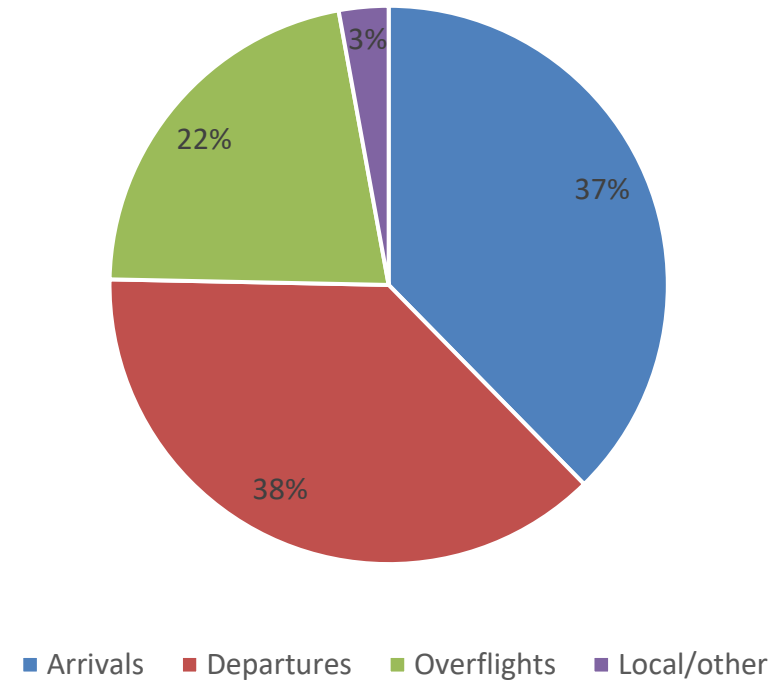
2739+ daily average movements in 2024.

11,2% increase compared to same period in 2023.

High traffic density and complexity, due to high volume of arriving and departing traffic.

Main Airports are OMDB, OMAA and OMSJ

Free Route Airspace (FRA) established since July 2023







Impact on Airports (Dubai Airports)

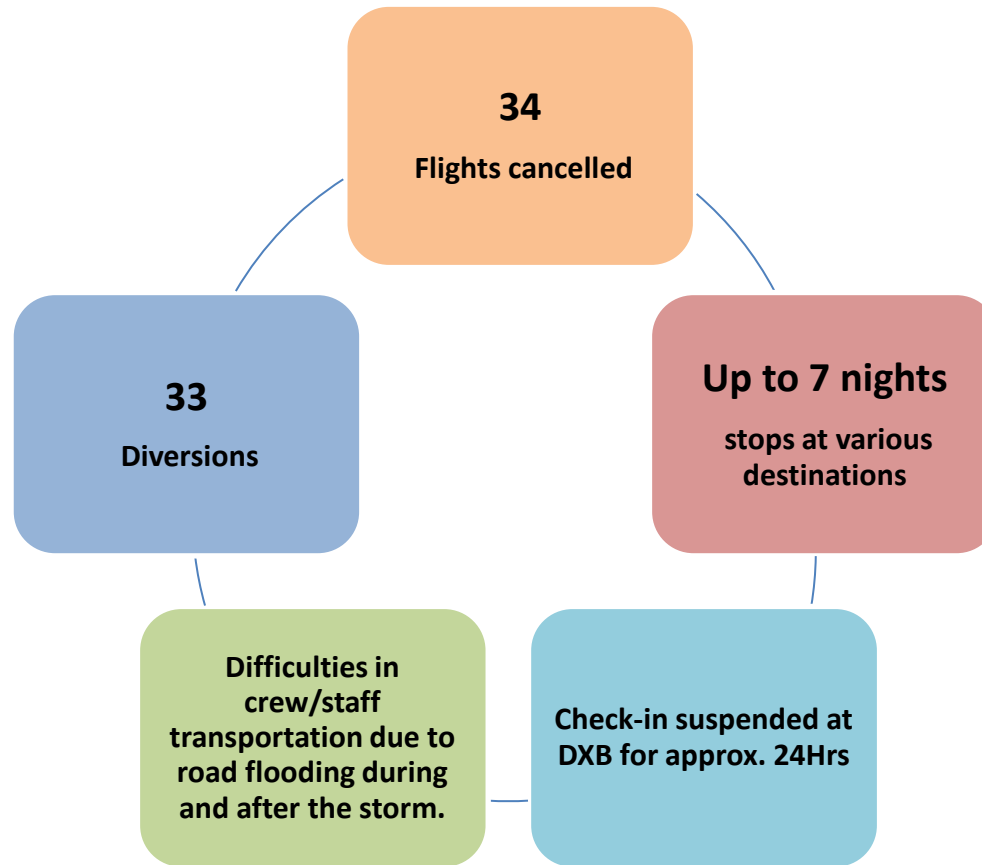
Disruption Statistics 16–18 April 2024

High Level Statistics – total 3 days



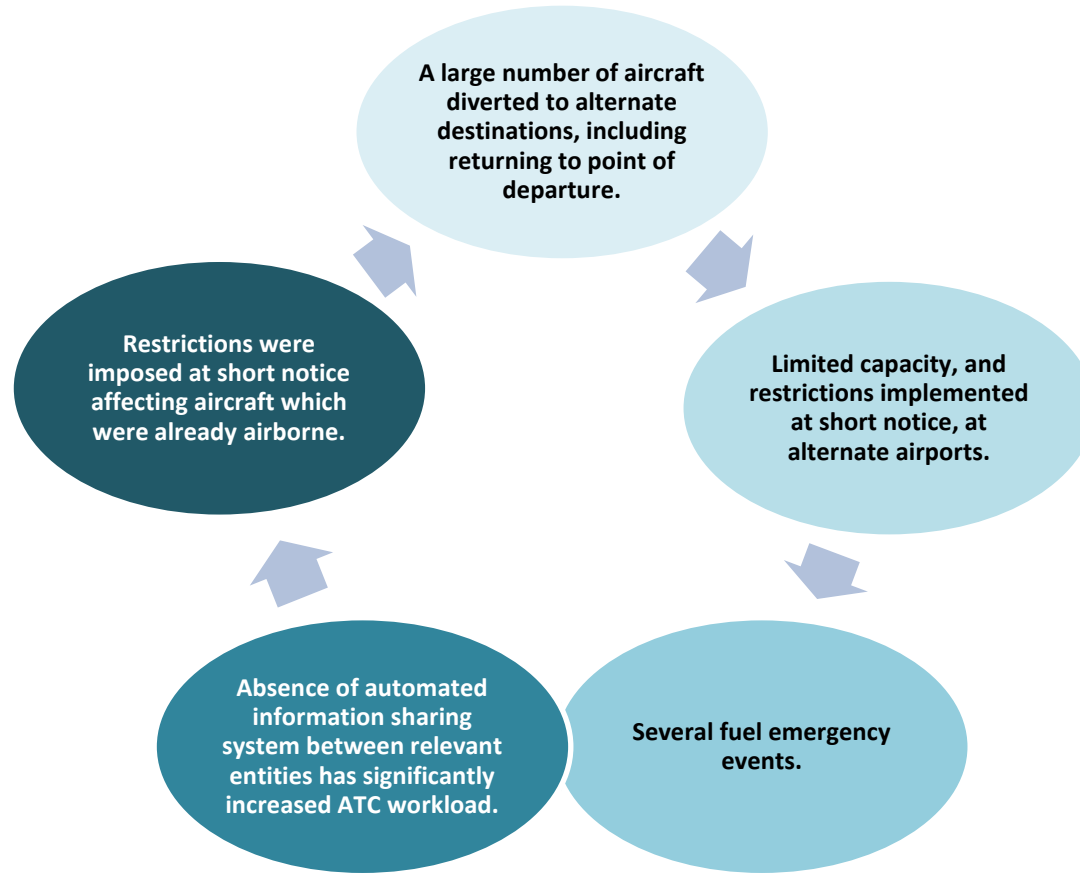


Impact on Airlines (Emirates Airlines)



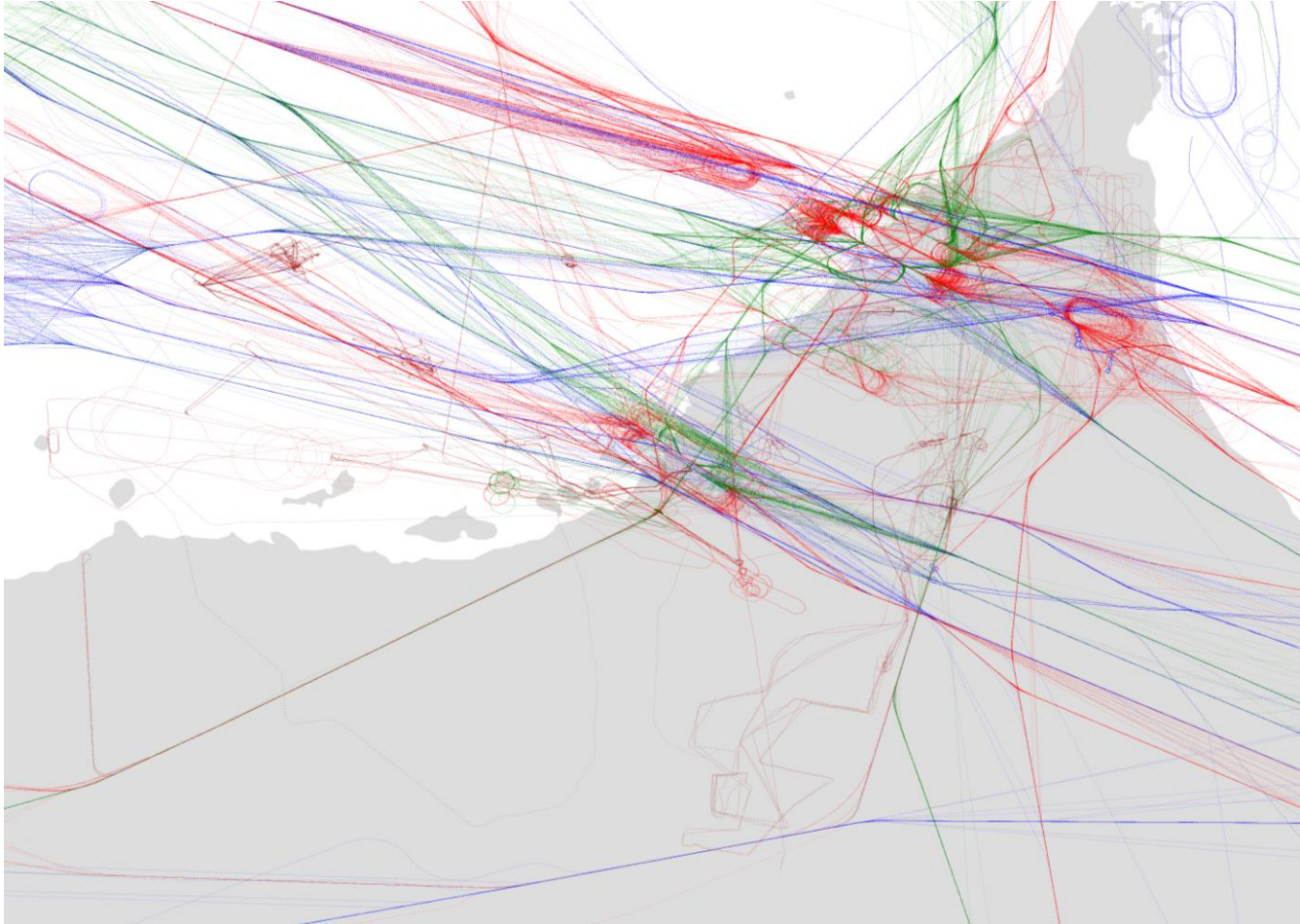


Impact on Air Traffic Control (ATC)



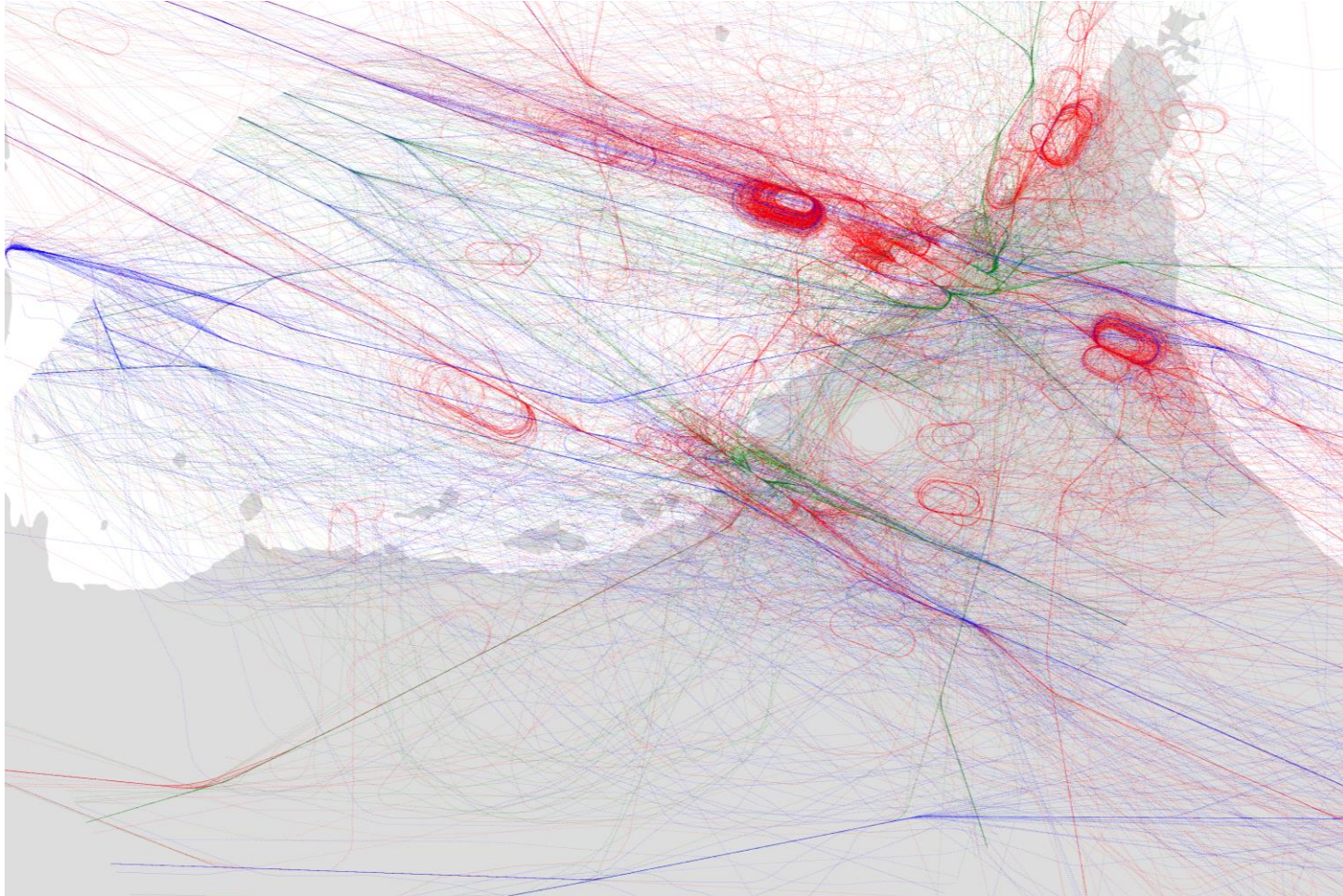


UAE FIR – 7th May – Normal Day Operations





UAE FIR – 16th April





Lessons learned

- **Preparedness for Unexpected Weather Events**

Enhancing the readiness for unexpected weather conditions, including heavy rainfall, to ensure operational continuity.

- **Activation and Updating of Crisis Management Committee (CMC)**

It's crucial to regularly update and promptly activate the Crisis Management Committee to manage and mitigate the impacts of severe weather events effectively.

- **Provision of On-Site Logistics for Operational Staff**

Ensure that operational staff have access to suitable accommodations, food, and other essential logistics within the workplace, particularly during crises when commuting becomes difficult

- **Focus on Solutions and Quick Responses**

In times of crisis, the priority must shift from blaming to finding immediate solutions and responding quickly to mitigate challenges and obstacles



Thank You