Established in October 2015 to mitigate the effects of winter on UNHCR Operations in Europe
Winter Operations Cell
A Unique Challenge

- Up to 9 nations
- Route of 1100km +
- 170,000 arrivals by Sea alone in 2016
- 1,000,000 arrivals by Sea in 2015
- Those requiring help over 10 nationalities
- Requirement to respond to all aspects of UNHCR from operations staff on the ground through to senior managers within UNHCR.
UNHCR - The Winter Operations Cell Priorities

- Tactical & Strategic Planning
  - Facility Management
  - Logistics
  - ‘Route’ based planning
  - Health
  - Daily Planning

- Post Event Analysis
  - Wave Height v Arrivals

- Immediate Response
  - Border Closure’s
Work Flow - Overview

Information
- Global Modelling Centres
  - ECMWF
  - NWS
  - DWD
  - Met Office
  - Others
- Other Advisory Services
  - MeteoAlarm
  - European Commission (EFAS, ERCC etc)

Forecasts, Warnings & Guidance
- Met Office Global Guidance Unit
- Regional Guidance
- Met Services
  - Slovenia
  - Austria
  - Croatia
  - Serbia
  - Modelling, National Guidance, Warnings, Site Specific Forecasts Produced
  - FYRoM
  - Greece
  - Turkey
  - Bulgaria
  - Neighbouring NMHS (Italy, Germany etc)

Advice
- UNHCR Field Operations
- UNHCR 'Geneva' Operations
- UNHCR Winter Operations Team
- Met Office Advisor
- Requests for further information & assistance
- Daily reports
- Emergency Advice
- Scenario Planning
- Daily planning
- Site Specific Impact Advice
Excellent Collaboration

Slovenia

“But anyway, For SE part (POI Dobova) we expect 10 to maybe 20 cm of snowfall from today night till Saturday noon (as we speak present weather is light rain, but we could expect some sleet of mixture of snow/rain and some snow in the next hours). Since temperature will be around 0 or just above zero and no strong wind is expected there should be no major problems on roads (and railways)”

Greece

“1. The rain we are expecting in the area of Mytilini, Chiow is able to cause floods. Of course with the help of very strong some damages are expecting.
2. All ferries stop in Greek seas at 9 Beaufort. This is going to happened for about 2 days Friday and Saturday”.
Iterative approach to reporting development

<table>
<thead>
<tr>
<th>Country</th>
<th>Location</th>
<th>Weather fronts phenomenon</th>
<th>Minimum temperature tonight</th>
<th>Hazards next 24 hours</th>
<th>Hazards 2-5 days</th>
</tr>
</thead>
<tbody>
<tr>
<td>Greece</td>
<td>Larnaca</td>
<td>53°</td>
<td>No hazards</td>
<td>Becoming colder from Thursday to Sat.</td>
<td></td>
</tr>
<tr>
<td>Greece</td>
<td>Kos</td>
<td>17°</td>
<td>Increased sea state from strong winds</td>
<td>Strong wind warning</td>
<td></td>
</tr>
<tr>
<td>Denmark</td>
<td>Almera</td>
<td>6°</td>
<td>No hazards</td>
<td>Remaining settled</td>
<td></td>
</tr>
<tr>
<td>Ukraine</td>
<td>Taranto</td>
<td>6°</td>
<td>No hazards</td>
<td>Remaining settled</td>
<td></td>
</tr>
<tr>
<td>Turkey</td>
<td>Diyarbakir</td>
<td>6°</td>
<td>No hazards</td>
<td>Remaining settled</td>
<td></td>
</tr>
<tr>
<td>Italy</td>
<td>Patras</td>
<td>3°</td>
<td>No hazards</td>
<td>Remaining settled</td>
<td></td>
</tr>
<tr>
<td>Serbia</td>
<td>Belgrade</td>
<td>6°</td>
<td>No hazards</td>
<td>Remaining settled</td>
<td></td>
</tr>
<tr>
<td>Serbia</td>
<td>Skopje</td>
<td>8°</td>
<td>No hazards</td>
<td>Remaining settled with a risk of fog</td>
<td></td>
</tr>
<tr>
<td>Serbia</td>
<td>Sarajevo</td>
<td>6°</td>
<td>No hazards</td>
<td>Remaining settled with a risk of snow</td>
<td></td>
</tr>
<tr>
<td>Croatia</td>
<td>Split</td>
<td>4°</td>
<td>No hazards</td>
<td>Remaining settled with a risk of fog</td>
<td></td>
</tr>
<tr>
<td>Slovenia</td>
<td>Ljubljana</td>
<td>2°</td>
<td>No hazards</td>
<td>Remaining settled with a risk of fog</td>
<td></td>
</tr>
<tr>
<td>Slovenia</td>
<td>Ljubljana</td>
<td>2°</td>
<td>No hazards</td>
<td>Remaining settled with a risk of fog</td>
<td></td>
</tr>
<tr>
<td>Slovenia</td>
<td>Jesenice</td>
<td>-2°</td>
<td>No hazards</td>
<td>Remaining settled</td>
<td></td>
</tr>
<tr>
<td>Slovenia</td>
<td>Sarajevo</td>
<td>3°</td>
<td>No hazards</td>
<td>Remaining settled</td>
<td></td>
</tr>
<tr>
<td>Austria</td>
<td>Salzburg</td>
<td>5°</td>
<td>No hazards</td>
<td>Becoming cold with overnight frost from Thursday onwards</td>
<td></td>
</tr>
</tbody>
</table>

Source: Local National Met Services
Detailed Analysis

Wave Height v Arrivals to enable more informed planning
European Commission & Multi-Hazard Partnerships

ARISTOTLE

Truly international multi-hazard partnership to serve the European Commission
Thank you