

Summary

We have collated and reviewed the top three priorities from each group (Appendix 1) and identified the commonalities between them. This has demonstrated the following key areas.

1. Understanding the problem

- Identify what we need to know?
 - What knowledge exists already?
 - Where are the knowledge gaps, notably in terms physical impacts related to climate changes
 - Identify research priorities.
- Review and frame the challenge from a holistic sectoral perspective:
 - What are the domains affected: air travel market, flight operations, ground operations (airside & landside), aircraft design, ground infrastructures (airports, ATM, manufacturers & suppliers sites).
 - What are the potential impacts for each stakeholder and the network as a whole?
 - Who needs to do what?

2. Assessing the problem

- Develop local and network adaptation plans based on common baseline.
- Develop impact matrix(matrices) and register of vulnerabilities from common baseline:
 - Based on common data set of climate and growth forecasts
 - Different data sets available from each stakeholder

3. Actions to adapt

- Operational measures to build resilience to increased disruption (e.g. flexible airspace system management)
- Infrastructure resilience to increased disruption and changing baseline conditions.
- Identifying trade-offs especially where environmental improvements may introduce vulnerabilities (e.g. engines)
- Identifying win-wins and no-regrets measures (e.g. measures to address capacity issues)

4. Communication and collaboration

- Core group or forum on adaption – officialise, maintain momentum and open door to greater participation. What mechanism?
- Collaboration in research and information sharing. Communalize questions towards scientific community. Combining knowledge and research from other regions and sectors.
- Coordination (e.g. between sector actors and with other regions – global network)
- Communication: awareness-raising and assessment/dissemination of best practice