

## Consideration of air in other SEA topics

SEA topic	Areas where air may be considered within other SEA topics
Material assets	<ul style="list-style-type: none"> <li>• Damage to material assets from air pollution caused by different sources (e.g. industry, energy generation and transport)</li> <li>• Transport and industrial infrastructure</li> <li>• Energy use and energy efficiency</li> <li>• Ozone-depleting substances</li> </ul>
Climatic factors	<ul style="list-style-type: none"> <li>• Climate change increasing the production of photochemical air pollutants such as smog and ground level ozone.</li> <li>• Emissions to air affecting global climatic factors (e.g. greenhouse gases)</li> </ul>
Soil	<ul style="list-style-type: none"> <li>• Contaminated soils associated with air pollution deposition (e.g. heavy metals or nitrates)</li> </ul>
Population and human health	<ul style="list-style-type: none"> <li>• Airborne pollutants with direct adverse human health effects, for example nitrogen oxides, sulphur dioxide, particulates, heavy metals, ground level ozone.</li> <li>• Greenhouse gases emissions affecting human health due to the negative effects of climate change</li> <li>• Radon pollution (indoor air)</li> <li>• Electromagnetic radiation</li> <li>• Radioactive pollution</li> <li>• Vibration and noise affecting human health or causing a nuisance</li> <li>• Light pollution affecting human health</li> </ul>
Water	<ul style="list-style-type: none"> <li>• Acidification/ eutrophication/ pollution of water bodies through deposition of air pollutants (e.g. sulphur dioxide, oxides of nitrogen, ammonia, heavy metals)</li> </ul>
Biodiversity	<ul style="list-style-type: none"> <li>• Air pollution affecting organisms, ecosystems and/ or biodiversity - eutrophication of terrestrial habitats by atmospheric nitrogen, (e.g. oxides of nitrogen, ammonia), acidification of habitats by air pollution (e.g. sulphur dioxide, nitrogen oxides, ammonia)</li> <li>• Absorption of air pollution by vegetation, including crops (e.g. damage to leaves by ground level ozone)</li> </ul>
Landscape	<ul style="list-style-type: none"> <li>• Damage to landscape features due to air pollution (e.g. haze, smoke, acid rain)</li> </ul>
Cultural heritage	<ul style="list-style-type: none"> <li>• Damage to built heritage from air pollution (e.g. acid rain, particulate matter)</li> </ul>