

Annex 1, Brief description of the topics in the model

	<b>Soil and groundwater</b>	<b>Energy</b>	<b>Materials</b>	<b>Nature</b>	<b>Air</b>
	<b>Resource and environmental quality</b>	<b>Resource</b>	<b>Resource and environmental quality</b>	<b>Environmental quality</b>	<b>Environmental quality</b>
What is the scope?	<p>Groundwater as a resource for drinking water and other uses.</p> <p>Quality of groundwater (drinking water quality)</p> <p>Contamination of soil and management of contaminated soil</p>	<ul style="list-style-type: none"> <li>• Energy consumption (electricity, heating and transportation)</li> <li>• Energy supply (distribution of energy sources)</li> </ul>	<ul style="list-style-type: none"> <li>• Use of chemical substances and products</li> <li>• Consumption of products and waste generation.</li> </ul>	<p>Biological diversity in, for example, water courses, lakes, coastal zones, meadows, marshes, commons, moors etc.</p> <p>Recreational opportunities.</p>	<p>Covers various forms of air pollution from traffic, industry and combustion plants</p> <ul style="list-style-type: none"> <li>• NOx and SO<sub>2</sub></li> <li>• Particles/dust</li> <li>• Dioxins/PAHs</li> <li>• Ozone</li> <li>• VOCs</li> <li>• NH<sub>3</sub></li> <li>• CH<sub>4</sub></li> <li>• Odour from various sources</li> </ul>
Which are the environmental problems? Which other areas are affected?	<p>That locally the use of groundwater resources is higher than the regeneration, leading to local reserves of groundwater aquifers being reduced and, with time, to a need for abstracting drinking water at a still larger distance.</p> <p>That the pressure on groundwater locally, and especially during dry summers, leads to a lowering of the water table in water courses and lakes to an extent that fish and plants are affected negatively (<b>nature</b>).</p> <p>Unnecessarily high water consumption leads to higher use of energy for transportation and subsequent treatment (<b>energy</b>)</p> <p>Soil contamination and the ensuing contamination of groundwater, consequence for <b>water</b> as a resource, and water quality. Local closure of wells due to leached nitrate or chemicals.</p>	<p>Release of the greenhouse gas CO<sub>2</sub> from heat and power generation and from traffic. Both private households, enterprises and the municipality as an enterprise contribute to CO<sub>2</sub> emissions.</p> <p>Greenhouse effect, which may lead to extreme weather situations, higher water level in the seas, impact/destruction of nature areas (<b>nature</b>), agriculture, forestry and fishing industry.</p>	<p>Impact on the environment (<b>air, nature and groundwater</b>) with xenobiotic substances due to use of chemical substances and products in private households, enterprises and the municipality as an enterprise.</p> <p>Problems relating to management of hazardous waste and other waste, such as pollution upon disposal (<b>nature, air and soil and groundwater</b>)</p>	<p>Degradation of nature areas, such as heaths, moors, commons, natural woods, water courses, marshes and lakes and extinction or extensive decimation of flora and fauna.</p> <p>Species imported from other countries (for example giant hogweed, Iberian black slug, mink)</p>	<p><i>Examples of environmental problems:</i></p> <p>Carbon monoxide and hydrocarbon from poor combustion of oil and petrol</p> <p>Emissions of NOx and SO<sub>2</sub> from use of fossil fuels and the transport sector. Releases of ammonia. Contributes to acidification (<b>nature</b>)</p> <p>Small particles/dust, for example from diesel vehicles and combustion plants</p> <p>Depletion of the ozone layer, leading to impacts on eco-systems with increased UV-radiation (<b>nature</b>) and higher health risks for humans (skin cancer, eye diseases etc.)</p> <p>Minor local pollutions with, for example, dust /VOC and odour from enterprises (<b>materials</b>)</p>

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					Ozone pollution (nature)
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	<b>Noise</b>	<b>Anchorage</b>	<b>Planning</b>
	<b>Environmental quality and health</b>	<b>Cross-cutting</b>	<b>Cross-cutting</b>
What is the scope?	<p>Noise impact on humans and animals:</p> <ul style="list-style-type: none"> <li>• Traffic</li> <li>• Industry</li> <li>• Neighbours</li> <li>• Leisure activities</li> </ul> <p>Mostly of importance for health and quality of life, but also an environmental problem/area.</p>	<p>Anchorage is one of the focal points of Dogme 2000</p> <p>Covers the work done to make environmental aspects part of everyday life with citizens, enterprises and the municipality itself (putting our own house in order).</p> <p>Anchorage is a key prerequisite for the action needed to reduce resource consumption and increase the environmental quality.</p>	<p>Cross-cutting effort, where a holistic approach and planning is used to affect resource consumption and environmental quality.</p> <ul style="list-style-type: none"> <li>• Planning (Municipal plan and local plans)</li> <li>• Infrastructure</li> <li>• Environmentally correct building</li> </ul> <p>The efforts in the municipalities for more sustainable planning are to ensure location of residential and industrial areas giving improved opportunities for public transport of passengers, location of industrial areas so as to reduce traffic environmental impacts from enterprises' conveyance of goods, development of new urban areas primarily through concentration and conversion of existing urban activity, so that existing infrastructure can be exploited (resource-saving considerations), and local planning setting requirements for sustainable/environment-friendly material selection for building.</p>
Which are the environmental problems? Which other areas are affected?	<ul style="list-style-type: none"> <li>• impact on dwellings or institutions etc. with noise from road, rail or air traffic</li> <li>• impact on dwellings or institutions with noise from industry, haulage contractors, discotheques, amusement parks, shooting ranges, racing grounds etc.</li> <li>• impact on <b>nature</b> with noise.</li> </ul> <p>Humans exposed to much noise have a low quality of life, and noise also affects health.</p> <p>Heavy noise can also have a negative impact</p>		

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	on <b>nature</b> , especially the experienced recreational value.		
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