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**Detection, prevention, and/or alleviation of non-anthropogenic pollution problems in land/water resource development**

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Contamination of land/water resources which is not caused by anthropogenic pollution but triggered by inappropriate development measures is illustrated at the example of two case studies: (a) surface water and soil salinization in an inland area, and (b) acid sulfate soils and runoff/drainage waters in a river delta. Mechanisms of problem development and impacts on adjacent ecosystems are described. As these mechanisms and impacts involve virtually all system components, prevention as well as alleviation of similar problems can only be achieved by integrated land/water management, based on interdisciplinary co-operation.