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**Title:** *Participatory modelling for a systems and stakeholder perspective on sustainable development in the Swedish Mountains*

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The Swedish mountain area is an arena for significant and long conflicts between different stakeholder and sectorial interests e.g. mining, power production, forestry, small scale agriculture, traditional Sámi reindeer herding, nature conservation and cultural heritage preservation, defence and tourism. Owing to poor perceived attainment of national environmental objectives the Swedish Environmental Protection Agency commissioned a study of current and future conflicts in the mountain area. Stakeholder based group modelling involving more than 60 individuals and 40 stakeholder interests, using a Causal Loop Diagram approach, created a platform for comprehensive analysis of the mountain environment from environmental, social and economic perspectives. In the end the stakeholders developed a joint, uncontested analysis of external drivers and processes affecting the mountain environment sustainability as well as jointly developed suggestion for research needed in support local adaptive resource management and land-use planning.