## CASE STUDIES: SMCE/NAIADE Coal-Oriented Lens: Operationalizing adaptiv

Tool:  NAIADE/SMCE Case Study:  SMCE/NAIADE: Evaluating The Effects Of The Alumysa Project In The Ays Summary: The 1994 Chilean Environmental Law Act was launched to create an institutional framework to rule in environmental terms the introduction or development of public and private investment projects or activities. The law sets the Environmental Impact Assessment System (EIAS), within which, in order to get government approval, a project or an activity is compelled to submit an Environmental Impact Study (EISt). In 2001, the Canadian Mining Company Noranda submitted an EISt of an aluminium smelter plant project in Chacabuco bay, the main maritime entry of the Aysén region, and the regional operation centre for aquaculture industry. Starting a two years EIAS embedded in an intense environmental conflict. TI an EIAS, and how it could be complemented by the implementation SMCE, whi  Make an integrated evaluation of the possible impacts of political deci And consider the socio-economic, ecological, cultural, politica simultaneously.  More information:  SMCE uses information coming from scientific practices, as well as informs sociological research process (traditional knowledge). The analysis comprises  (1) The first step of a SMCE is to conduct a historical, institutional and bic (2) The second phase of the analysis identified social actors' nee participatory approaches, including uncertainty regarding the consecond step involves subjectivities, and thus stresses the important SMCE: to promote discussion, negotiation and social learning, conside (3) Criteria are then selected: local culture, employment opport environmental pollution, landscape impact, and forest loss were ident used because it manages mix information (qualitative and quantity account indifference and preference thresholds, and it allows to deci in the criteria aggregation (which permits to do a sensitivity analysic coalition formation dendrogram showing possible coalitions between hence identifying a compromise choice. Concluding remarks on the	én Region In Chile
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<ul> <li>(1) SMCE exercises are built taking into account the objectives of scompromise solution would have a higher probability of fitting into the presence of different values and objectives in the society. More involvement along the whole decision-making process; insights from performing a quality check of the problem structuring and the evaluation.</li> <li>(2) Secondly, on the management of uncertainties, SMCE tackled the evaluation of qualitative scenarios, hence finding a way to manage unconquered; the translation of quantitative scores to a qualitative scal partially consider the intensity of preference without being forced to (3) Thirdly, on the integration tool, the multi-criteria structure imprimpacts on several dimensions are presented together and are not measure; the impact matrix is a helpful tool to present an integrated problem at hand. Naiade has proved its usefulness in managing mixture.</li> </ul>	ation produced by means of a the following steps: physical analysis of the region. ds and expectations through dequences of the project. This deequences of the main aims of ring several viewpoints. unities, income distribution, ified in the study. atrix. In this case, NAIADE was ative), its algorithm takes into de the degree of compensations in this regard). NAIADE has a different interest groups, and everal social actors; hence a ne local context and respond to reover, SMCE calls for public a variety of social actors allow information used during the em in this study through the certainty that can no longer be eprovided in Naiade allows to define thresholds. roves transparency since the ot reduced to a single unit of