

Project information

Project title

Changing conditions for valuation and use of coastal areas and resources

Year

2011/2012

Project leader

Arild Buanes, Norut

Participants

- Arild Buanes, Norut, project leader
- Marit Myrvoll, NIKU
- Alma Thuestad, NIKU
- Camilla Bratland, SSHF

Flagship

Fjord and coast, Theme: Human dimensions of ecosystem response to climate change

Funding Source

Fram Centre

Summary of Results

WP1: Climate change, regional dynamics and policy development in/for the coastal zone.

Through the analysis of municipal climate and energy plans in Nordland, Troms and Finnmark, we have identified a number of coastal-related themes in addition to the more generic, "least common denominator" template provided by ENOVA as guideline for this planning effort. These themes cover a range of issues from the energy needs of the marine industries; energy production from marine biomass, tidal power plants, off- and onshore wind power plants, shipping, and more generally an awareness on behalf of many municipalities of the need to interact with marine industries and stakeholders on climate issues.

WP2: Climate change – cultural heritage, landscape qualities and policy development.

Objective: Contribute to current knowledge of cultural heritage sites and assets in the shoreline zone, thereby strengthening the knowledge base for decision-making processes (management and planning authorities).

Results:

□ Overview of the number of and the variety/types of cultural heritage sites and environments in the shoreline zone in the study area: Gildeskål municipality in Nordland County.

□ Valuation and value of cultural heritage sites and environments in the shoreline zone the study area: Gildeskål municipality in Nordland County.

□ Shoreline cultural heritage sites and environments in cultural heritage management (management and planning authorities).

WP3: World Heritage sites

Objective: To examine national intentions regarding which consequences changes in Climate and environment will have for management of both established and tentative World Heritage sites.

Results:

□ Overview of Norwegian world heritage sites, cultural, natural and mixed; established (inscription criteria) and tentative (arguments). UNESCO instruments and state party obligations.

□ Document study of Norwegian policy papers; intentions and focus areas. The Ministry of Environment has the responsibility on national level. Dependent on which inscription criteria the WH-sites have, it is the Directorate for nature management or the Directorate for cultural heritage that has the follow-up responsibility, also concerning the issue of climate change. Challenges of protection and conservation.

□ Focus on climate change precautions in the ongoing process on developing a comprehensive policy for Norwegian state party implementation of The World Heritage Convention. Both document studies and fieldwork.

WP4: Salmon Voices

□The "Salmon Voices" workshop was arranged in Munich, Germany on the 7th and 8th of October, 2011 with the aim to explore how salmon farming affects indigenous communities in Canada and Norway. <http://site.uit.no/salmonvoices/> The workshop identified three main groupings of indigenous peoples (IP) -salmon farming relations.

Published Results/Planned Publications

In prep/planned:

WP1

- Buanes, Arild: "Municipal climate and energy plans in northern Norway – coastal issues", status: submitted abstract to Arctic Frontiers 2012
- Buanes, Arild (in prep): "Climate issues in local planning the case of coastal municipalities in northern Norway".

WP2

- A report presenting the current status for cultural heritage sites/assets in the shoreline area as well as an evaluation of current status with regard to management and planning. The report will be published in the NIKU report series (www.NIKU.no).

WP3

- Paper at The inaugural conference of the Association of Critical Heritage Studies - Re- theoretisation of heritage, University of Gothenburg, Sweden, June 5-8, 2012. This paper will be turned into an article, published in an anthology about heritage studies (NIKU).

WP4

- Rachel Carson Centre: Proceedings from Salmon Voices workshop available by end of 2011.

Communicated Results

WP3

1. Ministry of Environment: World Heritage Policy – second involvement meeting. April 28th, 2011, Trondheim 2.
2. Future of the World Heritage Convention – a Nordic perspective. The Second International WHILD Conference on the World Heritage Research, Dec 14th-16th 2011, Åbo Akademi University in Vasa, Finland WP4: Salmon Voices: <http://site.uit.no/salmonvoices/>

Interdisciplinary Cooperation

The project has been divided into WPs that as such has not required extensive inter-disciplinary cooperation. For future development of projects, more interdisciplinary projects/teams should be given due consideration.

Budget in accordance to results

WP1: For the mapping of how climate-motivated policies and measures are implemented locally the budget has been adequate.

WP2: Sufficient budget for obtaining this year's objective and the study of one municipality.

WP3: Sufficient budget for obtaining this year's objective, but not for further following of the process of making a comprehensive policy. Neither for widening the research field to the Nordic and circumpolar countries.

WP4: budget realigned to primarily cover travel costs.

Could results from the project be subject for any commercial utilization

No

Conclusions

a) Indicate future research and/or perspectives which the project results have led to

WP1: Regarding the implementation of national climate related policy through local planning and policy, the mapping of climate related issues in coastal-relevant local planning has provided a baseline status for assessing the development of local planning strategies following the 2011 local elections. Not least is this relevant to assess the magnitude and character of changes occurring in the revision of

local climate and energy plans (as mandated by the "national expectations"-document. Also relevant for studying the local planning strategies now being worked out as mandated by the Planning and Building Act.

WP2: Additional studies are needed to extend the study to two or three other coastal municipalities in Nordland. This will provide a more substantial research basis and strengthen the study and the possibilities for publishing the results in a scientific journal.

WP3: There should be a follow-up project on how the Nordic states and the circumpolar countries manage their cultural and natural world heritage sites when it comes to the consequences of climate changes – to create larger awareness among political decision makers.

WP4: The newly established local salmon management body in Tana offered to invite to a follow-up conference in Tana, Norway in 2012 to continue the dialogue and learning both on research and governance issues across contexts.

b) List and describe new methods or techniques that have been developed during the project or that the project has revealed a need for.

Not relevant. The project as such has not been aimed at the development of new tools or techniques.