

 	Northern Periphery Programme 2007-2013	
	1 <sup>st</sup> call Application Form "DRAFT"	
	For Programme Secretariat use only	
	Registration no:	
	CAV number:	
Date of arrival:		

## Main Application Part 1: Content

### SECTION 1: PROJECT INFORMATION

1.1 Project Title:	
Climate Change - Adapting to The Impacts, by Communities in Northern Peripheral Regions	
1.2 Acronym/Abbreviation:	
Clim-ATIC	
1.3 Project Duration: 3 years	
Start date: 1 March 2008	Finish date: 28 February 2011
1.4 Priority:	
Priority 1: Promoting innovation and competitiveness in remote and peripheral area	yes
Priority 2: Sustainable development of natural and community resources	
1.5 Target area / Location of the operation:	
Highlands and Islands - Scotland, Sweden, South East Greenland, Lapland – Finland, and Western Norway	
1.6 Total project budget:	2,348,138.53
1.7 Request for funding:	
Member State, ERDF:	906,513.91
Member State 20 %, ERDF:	0
Norway, ERDF equivalent:	245,656.47
Norway 20 %, ERDF equivalent:	0
Iceland, ERDF equivalent:	0
Faroe Island, ERDF equivalent:	0
Greenland, ERDF equivalent:	164,973.00
Non Member State 10 %:	0
1.8 Document checklist:	
y	Complete Main Application Part 1, Part 2 and Part 3
y	Complete and signed Partner information forms from all parties
y	Annexes to Main Application Part 3, detailing the individual partner budgets
y	Attestation from Tax Authority from partners that are not allowed to recover VAT
y	Other - Powerpoint presentation, activity programme, Demonstration project summaries, other EU projects.

I, the signing authority for the Lead Partner organisation, certify that the information in this proposal is accurate and that my organisation has agreed to co-ordinate the activities and carry the full responsibility of the project if this proposal is awarded funds from the Northern Periphery Programme 2007-2013. I certify that the project will be implemented in accordance with national laws and EU regulations, and I especially acknowledge the rules considering *public tendering, competition policy and eligible costs*. To the best of my knowledge, a proposal with similar content, with the involvement of any of the partners has not been submitted to other EU-funded programme.

Date \_\_\_\_\_

Signature \_\_\_\_\_

Full Name \_\_\_\_\_

Position \_\_\_\_\_

## SECTION 2: PARTNER INFORMATION

Lead Partner:	
Title of institution in English:	UHI Millennium Institute
Location:	Inverness, Highlands and Islands
Country:	Scotland
Partner 2:	
Title of institution in English:	Lycksele Municipality
Location:	Lycksele
Country:	Sweden
Partner 3:	
Title of institution in English:	Arctic Technology Centre
Location:	Sisimiut
Country:	Greenland
Partner 4:	
Title of institution in English:	Western Norway Research Institution
Location:	Sogndal
Country:	Norway
Partner 5:	
Title of institution in English:	The Lapland Regional Environment Centre
Location:	Rovaniemi
Country:	Finland
Partner 6:	
Title of institution in English:	Umeå University
Location:	Umeå
Country:	Sweden
Partner 7:	
Title of institution in English:	Åre Municipality
Location:	Åre
Country:	Sweden
Partner 8:	
Title of institution in English:	Finnish Forest Research Institute, Rovaniemi Research Unit
Location:	Rovaniemi
Country:	Finland
Partner 9:	
Title of institution in English:	Thule Institute at University of Oulu with links to the University of the Arctic (UArctic)
Location:	Oulu
Country:	Finland
Partner 10:	
Title of institution in English:	Finnish Environment Institute (SYKE)
Location:	Helsinki
Country:	Finland
Partner 11:	
Title of institution in English:	The Arctic Centre
Location:	Rovaniemi
Country:	Finland
Partner 12:	
Title of institution in English:	University of Lapland
Location:	Rovaniemi
Country:	Finland
Partner 13:	
Title of institution in English:	County Governor of Sogn og Fjordane (SFCG)

Location:	Leikanger
Country:	Norway

Associated partner 1:	
Title of institution in English:	Cairngorms national park Authority
Location:	Aviemore, Highlands and Islands
Country:	Scotland
Associated partner 2:	
Title of institution in English:	Forestry Commission Scotland
Location:	Dingwall, Highlands and Islands
Country:	Scotland
Associated partner 3:	
Title of institution in English:	Association of local authorities in the County of Vasterbotten
Location:	Vasterbotten
Country:	Sweden
Associated partner 4:	
Title of institution in English:	Sisimiut Municipality
Location:	Kitaa
Country:	Greenland
Associated partner 5:	
Title of institution in English:	Greenland Innovation Center ( Nutaaliorfik )
Location:	Sisimiut
Country:	Greenland
Associated partner 6:	
Title of institution in English:	Flora Municipality
Location:	Florø
Country:	Norway
Associated partner 7:	
Title of institution in English:	County of Sogn og Fjordane
Location:	Hermansverk
Country:	Norway
Associated partner 8:	
Title of institution in English:	City of Rovaniemi
Location:	Lapland
Country:	Finland
Associated partner 9:	
Title of institution in English:	Municipality of Kittilä
Location:	Levi, Lapland
Country:	Finland
Associated partner 10:	
Title of institution in English:	Municipality of Kolari
Location:	Ylläs, Lapland
Country:	Finland

### SECTION 3: PROJECT CONTENT

3.1 Synopsis of the project (max 500 characters or ¼ page)
Clim-ATIC will develop, and create a sustainable, self-financing service to disseminate, knowledge to support the sustainability of rural communities across the Northern Periphery, enabling them to adapt to likely direct and indirect impacts of climate change. During the project, community stakeholders will work in partnership with public sector and academic institutions to explore the potential for different

community sectors to develop adaptation capacity, and deliver real adaptations under priority themes for the Northern Periphery, providing local economic and social advantages.

### 3.2 Overall objective of the project (max 2000 characters or 1 page)

Clim-ATIC will establish a sustainable, self-financing service that will provide information, training and advice to communities, small businesses, and local administrations across the Northern Periphery who wish to significantly increase their capacity to adapt to the impacts of climate change. So that the service will be of the highest possible quality, Clim-ATIC will be a comprehensive cross-sectoral multi-national project, ensuring that communities have the best possible understanding of all issues associated with climate change adaptation. The new service will be self-sustaining, and will continue to compile and disseminate relevant new knowledge on climate change adaptation beyond the end of the project. This service will be established and delivered in collaboration with the University of the Arctic, an existing cooperative network of 109 universities, colleges, and other organisations across the Arctic.

Clim-ATIC will focus on four interconnected adaptation priority themes for the Northern Periphery, in order to maximise the establishment of trans-national networks, maximise the learning potential of the project, and ultimately provide relevant knowledge to communities across the region:

1. sustainable transport
2. secure, local and sustainable energy
3. tourism
4. risk and response management.

Clim-ATIC activities will take place in five regions; yet the outcomes will also benefit other regions in the Northern Periphery and more widely in Europe through the active involvement of representatives from all NPP regions in dissemination events and the establishment and implementation of the proposed information, training, and consulting service.

To achieve this overall objective, a number of key intermediate outcomes will each provide significant benefits to the participating communities (including both local and regional Authorities) in their own right.

### 3.3 General project description (max 6000 characters or 3 pages)

Climate change adaptation is defined in 'Climate Change – the UK Programme' (2006) as any action taken to minimise the adverse effects or to take advantage of any beneficial effects of climate change. It can involve building adaptation capacity (creating information and conditions that enable adaptation actions to take place) or delivering adaptation actions (taking actions that will help to reduce vulnerability to climate risks or exploit opportunities). Adaptation is the responsibility of a wide range of stakeholders, and will bring benefits to the organisations, communities and individuals who adapt appropriately. The UK Climate Impacts Programme report 'Identifying Adaptation Actions' (2007) advises that adaptation measures should be fit for purpose, be based on a good evidence base, involve all stakeholders and aim to achieve SMART (Specific, Measurable, Achievable, Relevant and Timed) objectives.

Through an NPP Preparatory Project, public sector and academic partnerships have been established in five regions of the Northern Periphery (Finland, Greenland, Norway, Scotland and Sweden), with comparable conditions, to develop and implement a multi-partner project called Clim-ATIC. These organisations will engage with communities, local and regional administrations, local businesses, and entrepreneurs to develop evidence-based community adaptation strategies with SMART objectives, and implement a number of community-based adaptation projects. The knowledge gained will initially be made available to all those participating, and then to non-participating communities and stakeholders, through a variety of regional and international dissemination events throughout the project and, in the long term, through the establishment of a formal service. This will ensure a high quality in the content and delivery of information, and the capacity to remain abreast of emerging knowledge relating to climate change, likely impacts, and opportunities for adaptation.

The project, and the eventual information, training, and advice service, will have a particular emphasis on identifying how climate change may bring opportunities for fostering the sustainability of communities in the Northern Periphery through local employment opportunities, social benefits, and

environmental management.

To achieve the overall objective of establishing a sustainable service for community climate change adaptation across the whole of the Northern Periphery, the project will undertake a number of key activities over a three-year period, with communities and community sector stakeholders across five regions of the Northern Periphery, to build the necessary knowledge:

- Comprehensive review of likely short and long-term implications of climate change on specific rural communities in each partner region. Climate change vulnerability scenarios will be developed using existing climate change data and models, social change scenarios, and local knowledge and experience. This will lead to the assessment of the likely short-term effects and a consideration of the possible long-term effects of climate change on the communities.
- Production of climate change impact visualisations, as well as other communication methods targeting community sectors, to enable all members of a specific rural community to build an understanding of the nature and scope of the climate change risks and opportunities relevant to them.
- Community brainstorming and planning meetings to identify the barriers and opportunities for rural communities that wish to adapt to climate change – specifically, the potential environmental, social, and economic opportunities and benefits that climate change adaptation actions may bring to specific community sectors and a rural community as a whole.
- Development, and adoption and initial implementation of a Community Climate Change Adaptation Strategy by at least one community within partner regions.
- Review of the opportunities for future funding and projects, in particular through Axis 3 and the LEADER approach under the current and future Rural Development Programmes, to support communities wishing to adapt to climate change.
- Comprehensive evaluation of the extent to which the political and policy framework within each partner region has been, and could be, a key driver in equipping communities to adapt to climate change, and the significance of other drivers.
- Planning, delivery and evaluation of a number of complementary adaptation demonstration projects by communities and their stakeholders across the Northern Periphery. Demonstration projects will be financed and facilitated by the Clim-ATIC project, but managed and run by the communities themselves. Trans-national collaboration of complementary projects will enhance community experiences and the learning potential of the activities.
- Feasibility study and business plan for the information, training and advice service; delivery of initial short course.

The project will have 5 work packages:

1. Project management and communication
2. Investigation, collation and communication of information on potential direct and indirect impacts of climate change to small peripheral rural communities;
3. Development of adaptation strategies by these communities to avoid or reduce the negative impacts of climate change, while taking advantage of opportunities;
4. Implementation of adaptation demonstration projects with a focus on trans-national activities;
5. Establishment of a formal mechanism to disseminate knowledge for community adaptation.

The five work packages will jointly contribute to the overall objective. Work packages 2 and 3 will develop the capacity for adaptation, work package 4 will evaluate the realities of delivering adaptation actions, and work package 5 will bring all the lessons together and create a sustainable service, providing information, training and advice relating to community climate change adaptation.

To support the delivery of these outputs, through the five work packages, a project steering group of national and regional decision-makers and stakeholders will be established in each project region. These groups will meet biannually with regional project partners to offer essential support and guidance throughout the project. This will also enable improved capacity building at regional and national level to take place, benefiting communities in the future.



### 3.4 Justification for the project's approval (max 3000 characters or 1½ pages)

The Commission of European Communities' Green Paper 'Adapting to climate change in Europe - options for EU action' (2007) states that "A European approach is necessary to ensure proper coordination and the efficiency of policies that address the impacts of climate change." The document notes that while mountain areas, coastal zones, flood plains and, in particular, Scandinavia are among the most vulnerable areas in Europe, "uncertainties remain particularly in relation to more accurate and detailed forecasts as to the impacts of climate change at regional and local levels". This project will address all of these vulnerable areas.

The EU's 7th Research Framework Programme (2007-2013) places a strong emphasis on climate change adaptation.

Clim-ATIC was awarded NPP Preparatory Project funding in December 2006. This has enabled a partnership of public, private and academic organisations from across the Northern Periphery to examine the potential for, and then develop a well-founded proposal for a main project on community adaptation to climate change.

The preparatory project included a number of activities to help develop the Clim-ATIC project, including an international literature review, a policy review for each initial partner region, and workshops and meetings with diverse stakeholders and decision-makers from local to national levels. It has identified a number of communities, local administrations and local business organisations with an interest in climate change adaptation and a strong desire to participate in the project.

The Clim-ATIC preparatory project has confirmed that climate change adaptation is high on the agenda for many national organisations and administrations. However, the current lack of policies, standards, regulations and funding streams, combined with a generally limited understanding of the nature and extent of the likely risks of climate change to communities in the Northern Periphery, means there are insufficient useful precedents or evidence of adaptation actions by communities, local decision-makers, and local businesses.

It is proposed that a project that explores 'bottom up' responses to adaptation, and the wide dissemination of the lessons learned, is the key to enable communities to become more sustainable. In particular, rural communities across the Northern Periphery will find adaptation both challenging (e.g., common threats of a warmer and more extreme climate and particularly the issues associated with the water - snow balance) and necessary. They will need a wide understanding of all the issues to give them the capacity to adapt.

New knowledge needs to cut across sectors and political levels; consequently, Clim-ATIC will explore community climate change adaptation across a range of themes and involve community stakeholders from a range of government levels, with a large number of partners in five regions to ensure that the new knowledge is broad and relevant to all.

This project has a strong case for classification as a strategic project for at least three reasons: 1) the large number of partners and partner regions involved in the project; 2) the emphasis on involving representatives from all NPP regions and the establishment of the institutional means to make the new body of knowledge widely available across the whole NPP area; 3) the intention to identify opportunities for new ERDF projects within the 2007-2013 period.

## SECTION 4: CONTRIBUTION TO THE NORTHERN PERIPHERY PROGRAMME CONCEPTS

### 4.1 Please demonstrate the project's added value. Describe the product(s) and service(s) that will be developed: (max 1000 characters or ½ page)

The size, scale and objectives of the project mean that it has significant added value:

- 1) By working together, the partners will establish a trans-national service to enable ongoing exchange of ideas, experience and good practice between communities, small businesses, and local administrations. By utilising the existing framework of the University of the Arctic, the service will be accessible across the NPP.
- 2) Trans-boundary sharing of local climate change impact assessment, scenario communication

tools and innovative adaptation ideas. Stakeholder capacity will significantly increase, enabling future adaptation activities.

- 3) Adaptation demonstration projects in each region will act as catalysts for the further development of products and services.
- 4) Knowledge from project activities will be disseminated through exchange visits, regional seminars, and an international conference, enabling wide application of solutions.

Consideration of differences in regional and national climate and energy contexts will enable improved understanding of how national policies may enhance local and regional policies on climate change adaptation.

Note: Do not forget to fill in the number of transboundary products and services in section 8 Indicators.

#### 4.2 Please describe the transnational impact of the product(s) and service(s) that the project aims to develop: (max 1000 characters or 1/2 page)

The project involves significant cooperation at a trans-national level to deliver a service on a subject of critical concern for all communities in the Northern Periphery. This project will bring together knowledge and experience both from the five participating regions and across the Northern Periphery on how to develop community capacity to adapt and how to deliver local adaptations. This knowledge will form the basis for establishing an affordable, accessible, relevant and up to date information, training, and advice service on climate change and adaptation at the community level.

Furthermore, the priority themes of this project are of relevance throughout the whole programme area, and improved adaptation knowledge on these subjects will be of benefit to all community actors from the local to the national level. All demonstration projects relate directly to at least one of the four agreed themes and each has commonalities with at least one other demonstration project in another region, to promote transnational linkages and partnerships, and also to enable direct comparisons to be made, thus maximising new knowledge.

#### 4.3 Please demonstrate the project's transnationality: (max 2000 characters or 1 page)

Clim-ATIC requires:

- **Joint development** - the project plan has been developed in detail with full involvement of all five participating regions. Partners in Iceland were also involved in the preparatory project but had to withdraw from full participation in the main project due to lack of funding. Close cooperation between regions will continue as the project is developed and implemented. A partnership of five regional climate change scientific institutions will collate and develop climate change impact scenarios and visualisations. The common methodology for the preparation of community climate change adaptation strategies will be jointly developed, and there will be significant trans-national development of demonstration projects between regional partners involved in projects under the same theme.
- **Joint implementation** - all work package activities are relevant to all five participating regions. In particular, partners in all regions will jointly develop and adopt common or complementary methodology and evaluation frameworks for using climate change data and models, developing visualisations, developing adaptation strategies, and managing demonstration projects. The linkage of the final project outcome to an existing structure active across the Northern Periphery - the University of the Arctic - will require the support of all project partners, to make the service relevant to their regions. The project will be managed by a steering group with representatives from all five regions.
- **Joint staffing** - Workpackage managers have been appointed to control activities across all five regions. Scotland will manage WP 1, 4 and 5. Sweden WP3 and Norway WP2. There is also a managing steering group comprising of a representative from each regional lead partner.
- **Joint financing** - partners in all five regions are making significant financial contributions to the project and will share the cost of WP 1 (project management) and WP 5 (NPP-wide information, training, and advice service).

Indicate which transnationality criteria the project meets			
Joint development	yes	Joint implementation	yes
Joint staffing	yes	Joint financing	yes

4.4 If applicable, please describe the triple helix partnership or if the project will work in a triple helix context: (max 1000 characters or ½ page)

Clim-ATIC will be principally led and managed by partners from academic and public sector organisations, but a strong focus is to maximise engagement and participation with land owners, local businesses (e.g., tourism, transport operators, energy suppliers, land managers), community groups, local politicians, and regional and national decision-makers. Throughout workpackages 2, 3, 4 and 5, community stakeholders (particularly the small business sector) will be instrumental in the successful implementation of project activities. Stakeholder sector focus groups will be formed to discuss specific impact scenarios and adaptation opportunities; the demonstration projects will be implemented on the ground by local actors with a strong emphasis on local economic benefits; and the development of the information, training and advice service will require involvement of the local business sector to ensure that it is relevant and of value to them as future customers.

Note: If applicable, do not forget to fill in the number of triple helix partnerships in Section 8 Indicators.

4.5 Strategic project features if appropriate: (max 2000 characters or 1 page)

To be applied in specific calls launched by the Programme Monitoring Committee.

## SECTION 5: INTEGRATION AND IMPLEMENTATION OF THE HORIZONTAL PRINCIPLES OF EQUAL OPPORTUNITIES AND SUSTAINABLE DEVELOPMENT

5.1 Equal opportunities: How have equal opportunities been integrated into the project plan? Have any specific equality objectives been set? (max 1000 characters or ½ page)

Clim-ATIC will require significant involvement of diverse community groups and sectors - varying in terms of race, religion, gender, sexual orientation, age and disability - to achieve its objectives. Thus the consideration of equal opportunities will be taken seriously throughout the project to recognise and remove any barriers that may prevent individuals from receiving an equal opportunity to fully participate in the project.

Partners will work with local community representatives with local understanding of community requirements; they will be consulted in regard to the planning of all activities to ensure that the participation of specific groups is not directly or indirectly discriminated against.

A variety of communication methods will be used for different target groups. We will particularly make efforts to actively encourage participation at local dissemination events of all elements of a community (e.g., young, old and disadvantaged), by considering dates, times, venues, style, language and formality. We will also welcome participation of any person from other communities, regions or countries outside the project.

We will monitor project activities to ensure that no groups are excluded and if found to be so we will address the situation.

5.2 Equal opportunities: How will equality be reflected in the composition of the project partnership? Information may be included on wider partnerships, including steering groups, associated partners, stakeholders, end beneficiaries, etc: (max 1000 characters or ½ page)

The project partnership for Clim-ATIC is broad and the project activities span five regions and multiple sectors. The project partnership recognises and values individual differences in attitudes, values and experience. It positively values the ways in which people differ, and seeks to maximise their potential in terms of their own contribution to the project, their organisation or community.

The project will take account of the needs of rural communities, including the potentially differing needs of women and men and different age groups in rural and remote areas with regard, for example, to access to services and transport.

The project will be steered by an appropriate group of community stakeholder representatives in each region, with a broad range of views and remits.

The end beneficiaries of this project are, firstly, the communities participating in the project and, in the long term, all community stakeholders in the Northern Periphery wishing to access the knowledge provided by the information, training and advice service. This will be designed so that its delivery mechanisms are appropriate to meet the requirements of all users.

5.3. Equal opportunities: What steps, if any, are being taken to ensure that equal opportunities are taken into account in the implementation of the project? What actions are being taken to create a positive impact in terms of equal opportunities? (max 1000 characters or ½ page)

- We will involve as wide a range of people as possible to ensure that a broad range of views and ideas are represented
- Prior to planning all community activities we will consult with appropriate stakeholders.
- Community meetings will be organised to ensure start/end times will not be a barrier to people with childcare or eldercare responsibilities, or clash with religious or work commitments.
- Meeting venues will be chosen to minimise mobility or access difficulties.
- The project will be marketed appropriately to target groups – e.g., marketing material will be easy to read for those with visual impairments. Documents will be written in plain and informal language so they are more widely understood and accessible than something formal and jargon-filled. We will use local languages where appropriate.
- We will not positively discriminate in attempt to achieve an unnatural balance of project participants.
- Specialist facilitators will be employed to ensure equal engagement at brainstorming meetings.

Specialist communicators will be employed to ensure that climate change scenarios are easily understood by community groups through a variety of means.

5.4 Equal opportunities: Please indicate which of the following classifications applies to the project and justify this choice below: (max 1000 characters or ½ page)

The project is positive in terms of equal opportunities	yes
The project is neutral in terms of equal opportunities	

The subject of climate change adaptation is of concern to all communities and all sectors. Hence our objective is to ensure that everyone in the Northern Periphery - whatever their age, sex, status, occupation and lifestyle - has access to the best available knowledge to allow them to make adaptations in the context of climate change. This will be achieved through appropriate design of the information, training and advice service.

5.6 Sustainable development: How has sustainable development been integrated into the project plan? Have any specific sustainability objectives been set? How will negative environmental impacts be mitigated and reduced and what actions are being taken to create a positive impact in terms of sustainability? (max 1000 characters or ½ page)

As a project relating to climate change, the consideration of the environmental impacts of the project will be taken seriously, and we will undertake the following actions:

- Avoid unnecessary air travel by combining meetings and events where possible, choosing accessible locations, and using video- and telephone-conferencing facilities. We will also

encourage all partners to use a carbon offset scheme (using non project money).

- Use land-based public transport within regions, instead of cars, where possible.
- Actively choose meeting venues that have environmental credentials and offer fresh, local organic food.
- Publish project documents on the internet and, where hard-copy publication is necessary, use recycled paper.

Equally important are the social and economic aspects of this project. We will carry out a sustainability appraisal of all proposed demonstration projects prior to commencement. Any aspects found to be negative for sustainable development will firstly be avoided if possible, secondly be mitigated against, and, as a last resort, will be offset by other positive project activities.

5.7 Sustainable development: Please indicate which of the following classifications applies to the project and justify this choice below: (max 1000 characters or ½ page)

The project is positive in terms of sustainable development	yes
The project is neutral in terms of sustainable development	

True sustainable communities need to develop the capacity to make decisions in the present that will both enhance the lives of future generations and meet the needs of present generations. Clim-ATIC will provide the institutional means, expert knowledge and financial support to enable communities and administrations faced with an uncertain future, to make the right decisions in both the short and long term.

All climate change adaptation decisions must consider their environmental, economic and social implications. We have to make adaptations now because these were not considered by previous generations.

The project has sustainable development at its core. All project activities directly contribute to sustainable development: evidence-based decision making, community empowerment, local and renewable energy, local business opportunities, risk response and management, local transport solutions, multi-functional land management, and education.

## SECTION 6: ALIGNMENT WITH EUROPEAN AND RELEVANT DOMESTIC STRATEGIES

6.1 Analyse how the project contributes to the Lisbon and Gothenburg Agendas. (max 1000 characters or ½ page)

Clim-ATIC will contribute directly to the Lisbon Agenda by creating knowledge and then disseminating that knowledge in an innovative way (new information, training and advice service), providing the foundation for economic growth. This will contribute to a competitive, dynamic, knowledge-based economy that can adapt to changes. The whole project will invest in education and training that will improve individuals' living conditions whilst preserving their environment in the short, medium and - above all - long term.

Clim-ATIC will contribute directly to the Gothenburg Agenda by directly addressing issues associated with sustainable development, such as limiting climate change by including the provision of clean energy at a community scale. The project will consider the impacts of climate change on communities and, as a result, enable them to make adaptation decisions that will reduce or avoid possible poverty and social exclusion, threats to public health, inappropriate transport systems and land-use management practices.

6.2 Please list any other alignments with relevant Domestic and European Strategies. (max 1000 characters or ½ page)

Climate change adaptation is a national priority across the NPP area. All project activities and objectives are closely aligned with all national objectives regarding climate change adaptation and

promoting community (bottom up) decision making. Eg.

- Climate Change – the UK Programme' (2006)
- UK Climate Impacts Programme report 'Identifying Adaptation Actions' (2007) - "*adaptation measures should be fit for purpose, be based on a good evidence base, involve all stakeholders and aim to achieve SMART objectives*"
- Finland's National Strategy for Adaptation to Climate Change (2007) - "*There is an obvious need to strengthen policy relevant research and development relating to the impacts of climate change and adaptation*"
- Draft national climate change adaptation strategy for Norway (under development, summer 2007).

In addition the project is closely aligned with the proposals in the current

- Commission of European Communities' Green Paper 'Adapting to climate change in Europe - options for EU action' (2007). - "*A European approach is necessary to ensure proper coordination and the efficiency of policies that address the impacts of climate change*"

This project is also of relevance to each participating nation's sustainable development strategy.

## **SECTION 7: COMMUNICATION, INFORMATION AND PUBLICITY STRATEGY**

7.1 Internal communication, Please outline the methods of internal communication within the project partnership and include a description on the structure of the partnership: (max 1000 characters or ½ page)

Effective and regular communication between project partners will be essential, predominately using email, video-conferencing, and telephone. As it will also be important to have face-to-face partner meetings, all-partner events are planned at three stages of the project: a project launch event, to present project objectives and activities and for all partners to meet; a series of mid-project exchange visits; and a concluding international seminar.

A regular e-newsletter will be sent to all project partners and wider stakeholders, to keep them up-to-date with project activities and progress. All project partners will be encouraged to make regular contributions to the project website, which will include a partners' only intranet section for internal and draft documents, and a facility for partners and other stakeholders to sign up to a weekly email update of website changes.

The partnership will have a structured hierarchy to formalise communication channels. The lead partner will be supported by a steering group of regional lead partner representatives, responsible for project activities and communication on a regional basis.

7.2 Internal communication, Please outline the decision making procedures within the project partnership and include information on any joint decision making structures, steering committees, stakeholder input, etc. (max 1000 characters or ½ page)

Clim-ATIC will be managed by a steering group, with lead partners from each region and two representatives from the lead partner (one involved in day-to-day project management and one with a strategic remit). Steering group meetings will take place face-to-face every six-months and by telephone conference every three months.

The lead partner will have a full time member of staff responsible for project management and communication.

Regional lead partners will be responsible for all regional project activities and will be required to complete progress and financial reports every six months, and submit them to the main lead partner prior to each face-to-face steering group meeting.

Regional stakeholder steering groups will be established and will hold meetings, provisionally twice a year (project stakeholders will also be invited to participate in certain project activities). These stakeholders will include national and regional policy making organisations and NGOs that are able to benefit directly from the project, but will also be able to indicate where a stronger project focus may be

of benefit to them in particular.

**7.3 External communication: Please outline the communication and dissemination objectives and methods set by the project: (max 1000 characters or ½ page)**

A key element of Clim-ATIC will be to maximise the awareness of the project across the Northern Periphery and beyond, so that lessons and knowledge relating to climate change and adaptation are disseminated widely. This will be done creating a project identity through publicity events, publications in different media, participation in conferences, and a high-quality website.

On a regional level, the project will provide knowledge deriving from the project to national and regional policy-making stakeholders. They will attend steering group meetings and will be invited to attend certain project activities such as community workshop meetings, conferences and seminars.

At a local level in communities, wide public and private sector participation in the project will be encouraged. Project partners will communicate project activities and disseminate knowledge through a variety of appropriate community publications and events, using national languages.

**7.4 External communication: Please outline the target groups and audiences which will be targeted through the project's external communication and dissemination. Why have these been chosen? (max 1000 characters or ½ page)**

Clim-ATIC will build capacity for climate change adaptation at the community level, and provide a transnational service on this theme. Primary target audiences will be community activists, local business and service providers, local politicians, local administrations, and teachers. As adaptation at the local level cannot take place without political and policy support from regional and national levels. It will also be essential to make national and regional stakeholders and policy makers aware of the project and its outcomes.

As work package 4 will focus on four priority themes - energy, tourism, transport, risk management - lessons learned will be of particular interest to the relevant sectors.

Throughout the project, records of adaptation issues and experiences will be made, and will contribute to the eventual information, training, and advice service. Means to this end will include video diaries made by communities involved in the demonstration projects, photographic records of exchange visits, interviews with project stakeholders, innovative visualisations of climate change scenarios, reports, and Powerpoint presentations.

**7.5 External Communication: Please list the communication tools to be developed providing an estimated timeframe. Include information on any planned conferences or seminars and describe how communication tools will be kept updated throughout the project's life time: (max 2000 characters or 1 page)**

- **All-partner project launch event - month 3** - all project partners will come together for a large meeting to meet and discuss project requirements. This will be an opportunity to agree on specific workpackage methods, programmes and responsibilities. An early meeting of all partners allowing consideration of all project planned activities is essential in enabling the majority of future meetings to take place by phone, email or VC.
- Project e-newsletter to be distributed by email to all partners, associated partners and community stakeholders – every 3 months
- Project website – established by month 6, managed by the lead partner and updated regularly with project information. An intranet will be established to enable to sharing of information between partners.
- Project brochures – published by month 6.
- Completion of project case study base on NPP template by month 6
- Project logo designed by month 6 –
- Generic project presentation by month 6
- At least 5 climate change scenario visualisations; these may include computer-generated still or

fly-through images, art or theatre interpretations, story telling, etc. (WP3)

- Estimated 15 community focus group meetings (part of WP 2 and 3)
- **International exchange visits for project partners and community stakeholders – month 18** – these exchange visits will take place approximately half way through the project. They will include a comprehensive programme of regional dissemination events hosted at the local level by all project regions, enabling a tour of project locations by a range of community representatives from throughout the project to learn the lessons from participants in workpackages 2, 3 and 4.
- Estimated 10 regional stakeholder and community dissemination events
- **International project seminar for all interested in project outcomes – month 33** – this event will target the spread of project lessons to all persons interested in climate change adaptation within the NPP area and further afield. It will also aim to bring together specialist knowledge on this subject from other areas of the Arctic region.
- Project management group meetings (face-to-face/videoconference) – every 3 months
- Regional steering group meetings – every 6 months
- Demonstration project video diaries
- Attendance at non-project national and regional events with designed conference stand/banner
- Project articles and media coverage

7.6 Publicity: How will the project interact with the media? Please outline any publicity objectives and planned media activities or tools: (max 1000 characters or ½ page)

A media strategy will be developed early in the project. This will include an identification of all relevant EU, national and regional publications that could host a project article, a plan of when and by whom project articles will be written, the production of standard press release and photos, and the design of a unique and recognisable project logo.

Specific target groups will be considered: e.g., local newspapers and websites for communities, national journals and newspapers for regional and national actors. National government climate change websites (e.g., Scottish Climate Change Impacts Partnership ([www.sccip.org.uk](http://www.sccip.org.uk)), State of the Environment Norway ([www.environment.no](http://www.environment.no)), Ministry of the Environment Finland ([www.environment.fi](http://www.environment.fi)) and other relevant websites (e.g., University of the Arctic [www.uarctic.org](http://www.uarctic.org)) will be a primary method of promoting project outcomes and dissemination events.

Project partner organisations will make use of their own marketing resources to promote the project in general, and specific project activities as required.

7.7 How will the project ensure compliance with EU publicity rules? (max 1000 characters or ½ page)

The Northern Periphery Programme will be mentioned by name or logo on all project publications.

Use of correct EU and NPP logos, together with the appropriate text, acknowledging aid from the European Structural Funds, on all paper and web-based publications, PowerPoint presentations, conference stands and banners and media clips.

Will comply with commission regulation 1159/2000, with particular attention being paid to NPP data sheet 8.

## SECTION 8: TOTAL BUDGET AND FINANCIAL PLAN

Note that this table can be copied from the “Total Budget” sheet from the Main Application Part 3, which is provided in a separate Excel form. Please ensure the figures match those in sheet “Total budget” in Part 3 of the Main Application Form.

1. Staff costs including social contributions	430,428.04	324,636.08	251,271.68	25,570.19	1,031,906.00
2. Travel and accommodation	78,380.00	82,880.00	65,880.00	740.00	227,880.00
3. External experts	71,300.00	16,800.00	27,000.00	0.00	115,100.00
4. Office costs (directly allocated)	11,839.65	11,680.68	8,527.33	339.15	32,386.80
5. Office costs (distributed proportionally)	53,418.41	37,163.92	30,079.55	5,676.85	126,338.73
6. Promotion / publications, Seminars / conferences, Meetings	46,500.00	46,000.00	42,000.00	0.00	134,500.00
7. Equipment and supplies	161,900.00	98,000.00	60,000.00	0.00	319,900.00
8. Other (including 1st level of control)	16,600.00	15,400.00	15,400.00	15,400.00	62,800.00
9. In kind cost	112,607.00	105,345.00	75,595.00	3,780.00	297,327.00
Reduction: Planned project revenue (-)	0.00	0.00	0.00	0.00	0.00
Reduction: Private cash contribution (-)	0.00	0.00	0.00	0.00	0.00

<b>Total eligible costs</b>	<b>982,973.10</b>	<b>737,905.68</b>	<b>575,753.56</b>	<b>51,506.19</b>	<b>2,348,138.53</b>
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TOTAL FINANCING PLAN (IN EURO)	2008	2009	2010	2011	Total
Member State, ERDF:	378,544.94	283,575.75	226,179.58	18,213.63	906,513.91
Member State 20 %, ERDF:	0.00	0.00	0.00	0.00	0.00
Norway, ERDF equivalent:	107,730.10	74,907.96	56,924.52	6,093.90	245,656.47
Norway 20 %, ERDF equivalent:	0.00	0.00	0.00	0.00	0.00
Iceland, ERDF equivalent:	0.00	0.00	0.00	0.00	0.00
Faroe Island, ERDF equivalent:	0.00	0.00	0.00	0.00	0.00
Greenland, ERDF equivalent:	70,670.00	55,670.00	36,473.00	2,160.00	164,973.00
Non Member State 10 %:	0.00	0.00	0.00	0.00	0.00
Public Match Funding:	426,028.07	323,751.98	256,176.46	25,038.65	1,030,995.15
<b>Total financial contribution</b>	<b>982,973.10</b>	<b>737,905.68</b>	<b>575,753.56</b>	<b>51,506.19</b>	<b>2,348,138.53</b>

## SECTION 9: INDICATORS

### General Indicators

All projects should complete the general indicators section

Please indicate if the project deals with:			
Water management		Improving transport links across national borders	
Improving accessibility		Improving waste management services	
Developing RTD and innovation networks		Actions between rescue services	yes
Risk prevention	yes	Reducing climate change	yes
Promoting female entrepreneurship		Furthering adaptation to the effects of climate change	yes

Please indicate if the project involves:			
Universities / higher education institutions	yes	Technology institutes and SMEs	yes

Equal opportunities: participants in project			No
No. of male < 25	50*	No. of female < 25	50*
No. of male > 25	500*	No of female > 25	500*

\* These figures are estimates of the total number of community individuals and national and regional actors who may participate in project activities and dissemination events.

Involvement of Small & Medium Sized Enterprises (SMEs)		No
No. of SMEs involved as partners		0
No. of SMEs involved as associated partners		0

### Priority Specific Indicators

Please complete the indicators based on the priority that the project has applied to:

Priority 1 activity indicators		No
No. of SMEs involved in development of new products and services		
No. of R&D partners involved in industrial collaborations		
No. of new technology transfer models developed suitable for rural areas		
No. of patent applications		
No. of new e-services developed		1
No. of businesses modernised through ICT		
No. of improvements in maritime safety/risk prevention		
Priority 1 output indicators		No
No. of transnational networks supporting new products and services		1
No. of transnational networks involving local, regional and national actors to inform policy development		6
No. of triple helix partnerships		>5
Priority 1 result indicators		No
No. of transboundary products (refers to added value section)		0
No. of transboundary services (refers to added value section)		1
No. of new or improved solutions/systems to promote innovation & competitiveness in remote and peripheral areas		6
No. of new or improved transportation schemes / services developed		2
No. of new or improved ICT services / ICT solutions developed		2

<b>Priority 2 activity indicators</b>	<b>No</b>
No. of SMEs involved in development of new products and services	
No. of R& D partners involved in industrial collaborations	
No. of risk prevention measures	
No. of actors adopting "green" products or services	
No. of businesses with improved sustainable development practises	
No. of solutions focusing on small scale renewable energy or energy efficiency	
No. of new rural services developed through urban-rural links	
<b>Priority 2 output indicators</b>	<b>No</b>
No. of transnational networks supporting new products and services	
No. of transnational networks involving local, regional and national actors to inform policy development	
No. of triple helix partnerships	
No. of urban-rural links	
<b>Priority 2 result indicators</b>	<b>No</b>
No. of transboundary products (refers to added value section)	
No. of transboundary services (refers to added value section)	
No. of new or improved solutions for sustainable management of natural or community resources	
No. of new or improved solutions for sustainable management of cultural heritage	

### **Project specific indicators**

Each project is free to develop a maximum of four of its own indicators based on the specific objectives of the project

<b>Additional project indicators</b>	<b>No</b>
No. of community adaptation strategies (WP 3)	10
No. of Vulnerability documents (WP 2)	5
No. of Vulnerability communication products (WP 2)	10
No. of Demonstration evaluation reports/video diaries (WP 4)	14

## Main Application Part 2: Work Packages

### SECTION 1: WORK PACKAGE 1

Title:	Project management, coordination & communication
Strategic Focus:	Coordinate and regulate the financial management of project activities, project contributions and all partners' time and expenses. Coordinate all project activities, and ensure complementarity, quality and compliance with project objectives and programme. Ensure effective and efficient communication between project partners is established and maintained. Ensure wide effective, transparent, and continuous communication of project activities externally.
Responsible partner:	UHI Millennium Institute, Scotland
Involved partners:	<p>Regional lead partners :</p> <ul style="list-style-type: none"> <li>• Scotland – UHI Millennium Institute (also Project lead partner)</li> <li>• Sweden – Lycksele municipality</li> <li>• Finland – Lapland Regional Environment Centre</li> <li>• Norway – Western Norway Research Institute</li> <li>• Greenland – Arctic Technology Centre (Artek)</li> </ul> <p>All partners will be required to submit financial and other management reports and to be involved in communication activities.</p>
Expected outcome: (Summary of the planned effect of the work package)	<p>Good financial management of the project – delivery of all project objectives and outcomes within budget.</p> <p>Good project management – delivery of all project objectives within time and resources.</p> <p>Good internal and external communications.</p> <p>Wide dissemination of project activities and outcomes.</p>

Estimated % of total project budget allocated to Work package 1	33.16%
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<p>1.1 Description of work package 1 (Do not exceed 1000 characters, ½ page)</p>
<p>This work package will run throughout the project, ensuring control of all decisions, activities and expenditure, and coordination of all aspects of communication and evaluation of activities.</p> <p>The project steering group will include one representative from each region (regional lead partner) and two from the project lead partner. This group will coordinate all activities, meeting every 6 months, combining meetings with other events where possible. Video- or telephone-conferences will take place between these meetings as required (at least every 3 months).</p> <p>All partners will be involved in internal communication. Regional lead partners will be responsible for, and coordinate external communication and publicity.</p> <p>The project lead partner will develop and update the website, conference stands and international project leaflets.</p> <p>Regional lead partners will coordinate regional financial reports, produce project brochures and update regional aspects of the website and translation into national languages. They will also be required to target opportunities for local, regional and national media coverage of the project.</p>

1.2 Activity plan for work package 1, please list the activities from day one in the work package and state key dates for listed activities. (max 2000 characters or 1 page)

(Note: The listed activities and key dates provide only an indicative plan, which can be updated when the project is being implemented)

List planned activities:

1 January – June 2008

Anticipated project start date 1st March 2008

1. Employ staff and acquire resources as necessary.
2. Establish project-wide financial recording and reporting system.
3. Commence recording of project expenditure and staff time.
4. Establish agreed detailed project programme.
5. Establish overall project steering group, and regional steering groups.
6. Initial project management meeting (by videoconference [VC])
7. Design project logo.
8. Design and go live with project website
9. Produce project presentation in PowerPoint format outlining the project's objectives.
10. Complete a brief project case study based on NPP template.
11. Produce international project brochure and separate regional project brochures.
12. Produce a conference stand or banner.
13. Produce a strategy for effective media project publicity for each region.
14. Build a small collection of photos relevant to the project.
- 15. All partner project launch event – May**
16. Establish an efficient internal electronic communication system, including a regular e-letter.
17. Establish project e-newsletter – issue 1 – March, to be published every 3 months
18. Produce initial regional media and community news articles to promote the start of the project.
19. Second project management meeting – May –thereafter every 6 months
20. Initial regional stakeholder steering group meetings – June thereafter every 6 months
21. End of period financial and progress reports – thereafter every 6 months

1 July 2008 – February 2011

Ongoing updates to project website – ongoing to end of project

Presentations of project at seminars and meetings – ongoing to end of project

**Mid project exchange visit and regional dissemination events – September/ October 2009**

**Final international seminar October 2010**

Anticipated project completion date 28<sup>th</sup> February 2011

## SECTION 2: WORK PACKAGE 2

Title:	<b>Regional Climate Change and Scenarios</b>
Strategic Focus:	<p>To provide communities with an evidence base of the combined possible impacts of climate change and changes in society, by producing a number of potential local or regional climate change vulnerability scenarios. Each participating region will create its own visualizations of likely direct and indirect impacts of climate and societal changes; these will be integrated through the use of common data sets and scenarios of future emissions of greenhouse gases, as well as existing downscaling models for climate change. The project will develop a common methodology for making societal change scenarios, and how to downscale these to local or regional levels. When downscaling the societal change scenarios, we will make use of local knowledge and experience through stakeholder meetings. These meetings will also be used to arrive at integrated local or regional climate change vulnerability scenario(s). The outputs from this work package will be tailored to the needs of each community and be in a form that is easily understood and communicated, allowing each community to make informed adaptation decisions.</p>
Responsible partner:	Western Norway Research Institute
Involved partners:	<p>In each participating region, one partner organisation, specialising in climate change vulnerability assessments, will use existing models for downscaling climate change, (if needed) compare these with local climate data, develop local or regional scenarios on societal changes by means of using the scenario model developed within our project and – in close dialogue with local or regional stakeholders - present likely direct and indirect impacts at the local or regional level. The following organisations will be involved:</p> <p>Norway: <i>Western Norway Research Institute (WNRI)</i></p> <p>Scotland: <i>UHI – Environmental Research Institute</i></p> <p>Sweden: <i>Umeå University</i></p> <p>Finland: <i>University of Lapland Arctic Centre</i></p> <p>Greenland: <i>Arctic Technology Centre (Artek)</i></p> <p>Even if each of these institutions does not have the whole range of competence to do the assessments described above, their combined competence will ensure a proper scientific basis for doing this work. Hence, exchanging competence between the involved institutions will be a necessary transnational activity contributing to the success of the work package.</p> <p>All these organisations, except WNRI and Artek, are members of the University of the Arctic, which will also contribute to this work package through its Thematic Network on Global Change by providing information, advice, and regional climate change impact knowledge. In addition, the Scotland and Northern Ireland Forum for Environmental Research (SNIFFER) will also contribute through its experience and involvement in the UK Climate Impacts Programme - UKCIP (cf. <a href="http://www.ukcip.org.uk/">http://www.ukcip.org.uk/</a>).</p> <p>In this WP we will co-operate with two Norwegian projects that WNRI is involved in: NORADAPT - Community Adaptation and Vulnerability in Norway (financed by the Norwegian Research Board); and an assessment of the possible effects of climate change on the role of local authorities with respect to proactive measures on preventing negative effects of natural hazards (financed by The Norwegian Association of Local and Regional Authorities). We will also take into consideration relevant experience from other national, Interreg, and FP6 and FP7</p>

	projects.
Expected outcome: (Summary of the planned effect of the work package)	Each community, working with its local or regional partners, will have a clear understanding of possible direct and indirect impacts of climate change with regard to certain chosen priority themes. These impacts will be recorded in a format that is inclusive and easily understood by the communities. This work package will also result in the transnational development of a common approach to the visualization of climate change vulnerability at the local or regional level and will help to put climate change on local and regional agendas.

Estimated % of total project budget allocated to Work package 2	9.19%
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2.1 Description of work package 2 (Do not exceed 1000 characters, ½ page)
<p>The objective of this work package is to produce a set of visualizations of potential climate vulnerability scenarios for variables of interest to local or regional stakeholders. Such stakeholders will be targeted: specifically those who can provide local information on current and likely impacts of climate change for them and, in response, wish to initiate adaptation activities. The scenarios will define the impacts that each community is likely to face as a combined result of climate as well as societal changes, and will be used in WP3 to develop effective adaptation strategies.</p> <p>We will engage community/political leaders in each community to discuss and propose variables/themes/sectors for which scenarios of climate change vulnerability should be developed. We will then invite affected stakeholders to enter into debate on how climate and societal changes may affect the sectors/themes identified. The involvement of stakeholders in the development of the visualisation of climate change scenarios is essential, both to gain regional acceptance of the results and to input local knowledge and experience of the indirect effects on specific sectors.</p>

2.2 Activity plan for work package 2, please list the activities from day one in the work package and state key dates for listed activities. (max 2000 characters or 1 page)
(Note: The listed activities and key dates provide only an indicative plan, which can be updated when the project is being implemented)

List planned activities:	<p><u>January – June 2008</u></p> <ol style="list-style-type: none"> <li>1. Workshop at all-partner project launch meeting in May 2008 to agree on the detailed methodology for the WP.</li> <li>2. Use existing downscaling models for climate change (e.g. RegClim for the case of Norway, cf <a href="http://www.senorge.no/mapPage.aspx">http://www.senorge.no/mapPage.aspx</a>). Clim-ATIC will <u>not</u> produce its own downscaling models for climate change.</li> <li>3. Produce a simple model for making scenarios of societal changes that are important with relevance to climate change. Important aspects are believed to be infrastructure, size and geographic distribution of population, business activity and GHG emissions.</li> </ol>
	<p><u>July – December 2008</u></p> <ol style="list-style-type: none"> <li>1. Identify appropriate local or regional stakeholders for each community – including representatives of all sectors/members of WP4.</li> <li>2. Use the model developed to produce local scenarios on societal changes. This will be done using a combination of data and input from discussions with local or regional stakeholders. Produce a short summary report for each community.</li> <li>3. Arrive at conclusions about the possible climate change vulnerability for each involved community. This will include stakeholder seminars, as well as the administrative competence in the involved local or regional authorities.</li> <li>4. Develop a coherent methodological framework among the participating communities for the development of the visualisation tools. The same scenarios of emissions of greenhouse gases and time slices will be used in all participating communities, but different variables may be analysed. For example, a community dependent on winter tourism may want to know specifically about projected changes in annual snow cover, while a community severely affected by flooding and landslides may be interested in knowing about likely changes in the frequency of severe rainfall events.</li> <li>5. In each community, and with each community (using local skills), generate high-quality visualisations (e.g. art, computer graphics, theatre, photo montages, story telling) of the scenarios of what is most likely to happen at a local level in the region.</li> <li>6. Disseminate the results from the climate change vulnerability assessment to the general public and specific target groups in the involved communities and regions.</li> </ol>
	<p><u>January – June 2009</u></p> <ol style="list-style-type: none"> <li>1. Wider trans-national exchange of lessons via community exchange visits and dissemination events targeting local, regional and national actors.</li> </ol>

### SECTION 3: WORK PACKAGE 3

Title:	<b>Identify community climate adaptation opportunities</b>
Strategic Focus:	Enable communities to make informed decisions about community adaptations to specific regional climate change impacts that will bring economic, social and/or environmental benefits to that community, in the short and the long term.
Responsible partner:	Lycksele Municipality, Sweden
Involved partners:	<p>All project regions will be involved in this work package. In each region, local and transnational activities for this work package will be coordinated by the regional lead partners, and they will report directly to the work package lead partner, who will report directly to the project lead partner. At a local level, community organisations or municipalities participating in this project will be associated partners and will help coordinate local activities.</p> <p>The project will continue to work with the regional stakeholders involved in WP2. Stakeholders who will be able to assist communities to adapt, e.g., sustainable development staff in local administrations and service providers, or local politicians, will also be encouraged to participate.</p>
Expected outcome: (Summary of the planned effect of the work package)	<p>Within each community, each sector (e.g. local tourism businesses) or community sub-group (e.g. old people or schoolchildren) will agree on a number of potential adaptation opportunities, which will be brought together to form a 'community climate change adaptation strategy'. This will have SMART (Specific, Measurable, Achievable, Relevant and Timed) objectives and actions.</p> <p>Issues and barriers to production and implementation of the strategy will be identified and addressed during the development of the strategy. Local, regional and national community stakeholders, including policy-makers, will be informed of the process and the knowledge and experience gained. This knowledge and experience gained will also be shared through regional and transnational dissemination events and exchanges.</p>

Estimated % of total project budget allocated to Work package 3	11.46%
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<p>3.1 Description of work package 3 (Do not exceed 1000 characters, ½ page)</p>
<p>Work within each region will address a number of separate communities, and climate change impacts relevant to certain themes and sectors of interest to that community.</p> <p>The outputs from work package 2 will be the basis for communities to identify adaptation opportunities, and allow businesses and administrations to assess how to avoid or reduce the negative impacts of climate change (risks) while taking advantage of positive impacts. A consistent approach to stakeholder participation will be adopted in all partner regions. The establishment of a communication and ideas exchange network will be encouraged and facilitated between transnational communities.</p> <p>This work package will explore the relevance of national and local political structures and policies, available EU, national and local funding sources, and the extent of support from the public, voluntary and business sectors for developing and implementing community climate change adaptation strategies.</p>

3.2 Activity plan for work package 3, please list the activities from day one in the work package and state key dates for listed activities. (max 2000 characters or 1 page)

(Note: The listed activities and key dates provide only an indicative plan, which can be updated when the project is being implemented)

List planned activities:

January – June 2008

Develop consistent transnational methodology for stakeholder participation; workshops at all-partner project launch meeting in May 2008

July – December 2008

1. Design focus group meeting formats and agendas with stakeholders (already established and collaborating in WP2).
2. Identify additional stakeholders to participate in WP3 activities.

January – June 2009

1. Initial meetings with communities to agree on methods and requirements for community brainstorm meetings
2. Small informal stakeholder discussion forum meetings in each community (by sector or community sub-group) with access to outcomes of WP2, to promote discussion and brainstorming to consider adaptation opportunities.
3. Circulate transcripts from first meeting and implement identified actions.
4. Following suitable time for reflection and actions (2 months), feedback meeting with the same group to further discuss adaptation opportunities, develop adaptation strategies, and agree on a number of adaptation actions.
5. Final meeting bringing together all sectors and community subgroups at a public meeting to compile all adaptation ideas and discuss these, in order to establish coherent community climate change adaptation strategies and identify priority actions.
6. Produce draft 'Community climate change adaptation strategy'.
7. Approval by community and identification of priority actions.
8. Prepare for and organise a programme of regional dissemination events that will form the basis for community transnational exchange visits.

July – December 2009

1. Hold a regional dissemination event (seminar or community activity day) in each participating region, to promote the adaptation strategies of each community in that region, discuss issues surrounding its development or proposed implementation, and consider wider application. Other communities, regional and national administrations and public organisations will be invited to attend.
2. Carry out community transnational exchange visits to each project region linking with planned regional dissemination events in September/October (also linked with WP 4 dissemination activities). Each community participating in the project will have the opportunity to send a small number of community representatives on a transnational exchange visit. The lessons learned will be recorded in reports, photographic records and video diaries that will contribute to Work package 5.

## SECTION 4: WORK PACKAGE 4

Title:	<b>Adaptation Demonstration Projects</b>
Strategic Focus:	<p>To identify and understand, through transnationally developed and locally implemented demonstration projects, the issues relevant to stakeholders at a local level, and to ensure that they have sufficient capacity (using outputs from workpackages 2 and 3) when attempting to deliver adaptation activities.</p> <p>This work package will provide a better understanding of the practical application of the community climate change adaptation strategies, produced in workpackage 3. Each demonstration project has been chosen as a direct result of existing community enthusiasm and preplanning of a suitable project that 1) fits with at least one of the chosen themes and 2) is complementary to a demonstration project in at least one other region. This entire work package will be a collaborative learning opportunity; lessons learned will be transferred from these locally implemented demonstration projects, transnationally both between regions and throughout the Northern Periphery, through joint development, and continuous interaction.</p>
Responsible partner:	<p>The lead partner will be the UHI Millennium Institute, Scotland. A strong project management role will be essential for this work package, as it accounts for a significant proportion of the total project budget and will contribute significantly to the overall project objective. To ensure the effective management of the work package, the UHI Millennium Institute will employ the specialist services of an experienced project manager who is familiar with implementing NPP projects.</p>
Involved partners:	<p>Each region will participate in this workpackage. In each region, the regional lead partner will act as national demonstration project managers, coordinating all demonstration projects in their region and reporting to the lead WP4 manager.</p> <p>Each national demonstration project manager will be supported by a local demonstration project management group. There will also be significant involvement on the ground by specific partners associated with specific demonstration projects. These will involve a wide range of stakeholders, including businesses and service providers, community groups, local and regional administrations.</p>
Expected outcome: (Summary of the planned effect of the work package)	<p>A maximum of 12 adaptation demonstration projects will be implemented across the five participating regions, using a common framework to be developed transnationally. Each project has a focus on at least one of the chosen themes, with at least two projects per theme, and two projects per region.</p> <p>The development and implementation of a common framework will enable the delivery of a number of interim outputs, focusing on maximising extraction of lessons learned, and their transnational dissemination. This will include a video diary (or similar) of the experiences of the project made by community representatives involved; transnational exchanges of stakeholders in involved communities; a demonstration project evaluation report, highlighting the lessons learnt during the process; and community stakeholder exchange visits.</p> <p>Opportunities for future funding and projects will be reviewed - in particular through Axis 3 and the LEADER approach under the Rural Development Programmes, and future rural development programmes (and equivalents in non-EU Member States), as well as transnational funding - to support local and regional adaptations to climate change.</p> <p>The demonstration projects will have the following specific outcomes (more details of each project are included in the appendix; note that the first includes activities in three regions):</p>

	<p>Theme 1: Sustainable transport</p> <ol style="list-style-type: none"> <li>1. An alternative fuel community transport service and associated infrastructure in the Cairngorms National Park, Scotland</li> <li>2. A new 'green card' travel system in Åre, Sweden</li> <li>3. New engineering solutions to transport infrastructure at risk in Sisimut, Greenland</li> </ol> <p>Theme 2: Sustainable energy management</p> <ol style="list-style-type: none"> <li>4. Local energy supply and management solutions in the Cairngorms National Park, Scotland</li> <li>5. A new tool for community energy management for use by municipalities in Flora Norway</li> <li>6. New energy-efficient building design solutions in Sisimiut, Greenland</li> </ol> <p>Theme 3: Tourism opportunities</p> <ol style="list-style-type: none"> <li>7. New identified tourism business opportunities in regions currently relying on snow sports: Ylläs Ski Resort in municipality of Kolari, Rovaniemi and Levi Ski Resort in Municipality of Kittilä (Finland); Cairngorms National Park (Scotland); and Åre and Lycksele (Sweden)</li> <li>8. A new GIS tool for assessing the impacts of climate change on the tourism sector in Sweden</li> <li>9. New identified tourism business opportunities in Sisimiut, Greenland</li> </ol> <p>Theme 4: Risk management and response</p> <ol style="list-style-type: none"> <li>10. New woodland tourism and access facilities in conjunction with reduced flood risk in Glen Urquhart, Scotland</li> <li>11. A GIS flood risk management system in Kittilä and Rovaniemi, Finland</li> <li>12. Public mobile user environmental and emergency services early warning systems, Norway</li> </ol> <p>A comprehensive evaluation will be conducted of the extent to which the political and policy framework within each partner region has been a key driver in equipping communities to adapt to climate change, and the significance of other drivers.</p>
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Estimated % of total project budget allocated to Work package 4	37.76%
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4.1 Description of work package 4 (Do not exceed 1000 characters, ½ page)
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Suitable complementary demonstration projects that have the potential to build adaptation capacity at both a community and decision making levels have been identified in all five project regions during the preparatory project. All demonstration projects relate directly to at least one of the four agreed themes and each has commonalities with at least one other demonstration project in another region, to promote transnational linkages and partnerships, and also to enable direct comparisons to be made, thus maximising new knowledge.

The demonstration projects and their linkages under the four themes are:

	Sustainable transport	Sustainable energy management	Tourism opportunities	Risk management and response
Finland			X	X
Greenland	X	X	X	
Norway		X		X
Scotland	X	X	X	X
Sweden	X		X	

Demonstration projects will be implemented within a common project management framework, to the stage where its effectiveness, in terms of climate change adaptation strategy and transnational application, can be evaluated.

4.2 Activity plan for work package 4, please list the activities from day one in the work package and state key dates for listed activities. (max 2000 characters or 1 page)

(Note: The listed activities and key dates provide only an indicative plan, which can be updated when the project is being implemented)

List planned activities:	<p><u>January – June 2008</u></p> <ol style="list-style-type: none"> <li>1. Development of generic demonstration project plan and common evaluation framework at all-partner project launch meeting in May 2008</li> <li>2. Development of each specific demonstration project plan (to include project-specific management, finance and output indicators, community specific evaluation methods and lessons recording methods, and transnationality value) locally, with regional and national stakeholders, and transnationally with other demonstration project actors.</li> <li>3. Sustainability appraisal of all proposed demonstration projects prior to commencement, followed by necessary avoidance, mitigation and offset decisions and actions.</li> </ol> <p><u>July – December 2008</u></p> <ol style="list-style-type: none"> <li>1. approval of each demonstration project plan by steering group at project management meeting in October 2008.</li> <li>2. Formal commencement of all demonstration projects by end of this period (flexible as some projects have other drivers influencing their schedule)</li> </ol> <p><u>January – December 2010</u></p> <p>Ongoing local demonstration project activities, including</p> <ol style="list-style-type: none"> <li>1. Creation of a video diary by demonstration project participants,</li> <li>2. Other recording of experiences and on the ground stories eg. photographs, interviews</li> <li>3. Analysis of policy barriers and opportunities,</li> <li>4. Ongoing monitoring of the active demonstration projects with regular reporting back to WP4 leader (every 3 months).</li> <li>5. Transnational and regional exchanges of experiences of demonstration projects dissemination via media, small local events and community publications/websites</li> <li>6. Completion of a number of community exchange meetings between demonstration project participants and participating regions in September and October 2009 (linked to communities and activities in WP3 and 2) combined with;</li> <li>7. Partner and community level seminars and events on specific demonstration projects. These will be targeted wider at a local level to maximise stakeholder attendance and additional finance will be sought at a local level to facilitate this.</li> <li>8. Completion of all Clim-ATIC demonstration project activities by December 2010 (stakeholder and financial support will be established to allow demonstration projects will continue within communities where appropriate)</li> <li>9. Transnational conference with final presentations and evaluations of demonstration projects – invite a wide audience beyond the project partners.</li> </ol> <p><u>January – June 2011</u></p> <ol style="list-style-type: none"> <li>1. Production and publication of final demonstration project reports/diaries</li> </ol>
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## SECTION 5: WORK PACKAGE 5

Title:	<b>Establish a Northern Periphery Community Climate Change Adaptation Information, Training, and Advice Service</b>
Strategic Focus:	<p>To establish a sustainable, self-financing, service that will:</p> <ol style="list-style-type: none"> <li>1) bring together the best available knowledge regarding climate change, and proactive community adaptation to climate change, in the Northern Periphery and,</li> <li>2) develop and deliver training programmes, advice and consultancy services in order to facilitate successful adaptation by individuals, community groups, local businesses and public administrations across the Northern Periphery.</li> </ol> <p>The service will ensure that everyone in the Northern Periphery, whatever their age, sex, status, occupation and lifestyle, has access to the best available knowledge to allow them to make climate change adaptations that will offer social or economic benefits.</p>
Responsible partner:	<p>The UHI Millennium Institute will take the lead due to its existing experience in providing education and consultancy services across the Highlands and Islands. The University of the Arctic's Thematic Network in Global Change in the Arctic will play a key supporting role in implementing the work package.</p>
Involved partners:	<p>For this new structure to be truly transnational, and provide a service across the Northern Periphery, all partners in all five participating regions will be involved in this work package. In addition, project contacts from Iceland, Ireland, Northern Ireland, southwest Scotland, and the Faeroes will be invited to take part. This will ensure the widest possible access to the knowledge gained from Clim-ATIC and that the new service is able to draw on new knowledge from around the Northern Periphery, to further develop the services that can be offered.</p> <p>The University of the Arctic, and particularly its Thematic Network in Global Change in the Arctic, will be a key partner in this work package, enabling Clim-ATIC to utilise its existing thematic network on climate change research and education across 109 institutions across the Arctic region, including 39 in the NPP region.</p> <p>Community stakeholders from WPs 2, 3 and 4 will also be involved, allowing project partners to tailor the service to the needs of communities.</p> <p>Ideas for the service will be developed through presentation of the concept and discussions/workshops at relevant meetings, e.g., those organised by the University of the Arctic, the Arctic Council, the Northern Research Forum, the International Arctic Social Sciences Association, the Nordic-Scottish University Network for Rural and Regional Development, and meetings within the frame of other NPP and other transnational cooperation projects. Discussions will also be held with national-level and European organisations with a focus on climate change, sustainable development, or both.</p>
Expected outcome: (Summary of the planned effect of the work package)	<p>The final result of this workpackage will be the creation of a service operating in as many Northern Periphery regions as possible which;</p> <ol style="list-style-type: none"> <li>1. identifies and synthesises relevant information from Clim-ATIC WPs 2 , 3, and 4 and other sources;</li> <li>2. develops short courses for local administrations, businesses, and community organisations, and teachers (initially in English but later in local languages);</li> <li>3. delivers these courses to these targeted audiences in their local languages; and</li> <li>4. provides consultancy services to local administrations and businesses, and</li> </ol>

	<p>advice to community groups, including information on possible funding sources for developing and implementing adaptation strategies and actions.</p> <p>It is anticipated that the new service will build on existing structures and institutions as much as possible, and that it will have a coordinating centre linked to a node in each Northern Periphery country, including those that are not involved directly in Clim-ATIC.</p> <p>The intermediate outcomes of this work package will be;</p> <ol style="list-style-type: none"> <li>1. a feasibility study, leading to proposed functioning structure for collation and dissemination of relevant information</li> <li>2. a business plan developed for first 5 years of operation</li> <li>3. at least one targeted short course developed and delivered</li> </ol> <p>a proposed structure for provision of consultancy services.</p>
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Estimated % of total project budget allocated to Work package 5	8.43%
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5.1 Description of work package 5 (Do not exceed 1000 characters, ½ page)
<p>This workpackage will bring together knowledge and experience both from the five participating regions and across the Northern Periphery on how to develop community capacity to adapt and how to deliver local adaptations. This knowledge will form the basis for establishing an affordable, accessible, relevant and up to date information, training, and advice service on climate change and adaptation at the community level.</p> <p>Following a feasibility study and development of a business plan, the service will be designed to deliver to its target audiences (local communities, local businesses, local entrepreneurs, local administrations and local politicians), keep abreast of current knowledge, and develop into an essential international source of knowledge and training.</p>

5.2 Activity plan for work package 5, please list the activities from day one in the work package and state key dates for listed activities. (max 2000 characters or 1 page)
<p>(Note: The listed activities and key dates provide only an indicative plan, which can be updated when the project is being implemented)</p>

List planned activities:

January – June 2008

1. Work package development meetings and workshops at launch meeting – May 2008
2. Identify existing structures/organisations within the Northern Periphery which compile information about climate change, impacts, and adaptations, and offer related educational provision and consulting services.

July – December 2008

1. Assess which organisations would wish to be involved in developing short courses and consultancy targeted at local administrations, businesses and community organisations and delivered in local languages.

January – June 2009

1. Feasibility study to investigate the potential need for, and customer requirements for, a new climate change information, training and advice service. The communities, businesses, local administrations and other participants in work packages 2, 3 and 4 will actively contribute to this study, ensuring that the end service is appropriate to their needs, and explore possible opportunities for them to be involved in the delivery of this service.

July – December 2009

1. Development of a business plan for first 5 years, with a focus on information and training services, and agreement on which organisations would be involved in the long-term management of the new service to ensure currency of information, course development, and delivery.

January – June 2010

1. Collation and assessment of knowledge gained from all work package activities by project partners, communities (including businesses and local administrations) and regional and national stakeholders.
2. Collate other relevant climate change adaptation information
3. Development of content of courses in English. This would involve at least one workshop.
4. Development of promotional course literature and website and publicity material.

July – December 2010

1. Delivery of one short course in English to first audience followed by feedback and course improvement
2. Translation of content of course materials into other Northern Periphery languages for wider delivery
3. Production of business plan for consultancy service provision, including database of potential clients.
4. Develop capacity to build on knowledge gained from Clim-ATIC, through future research opportunities, literature reviews, and case studies. Identify sources of funding and likely sources of new knowledge relevant to the provision of an improved training or service.

January – June 2011

Launch of service: initial implementation of activities included in business plan.

