



Submit by Monday 3 December 2012

## DARWIN INITIATIVE APPLICATION FOR GRANT FOR ROUND 19: STAGE 2

Please read the Guidance Notes before completing this form. Where no word limits are given, the size of the box is a guide to the amount of information required.

Information to be extracted to the database is highlighted blue.

### ELIGIBILITY

**1. Name and address of organisation** (NB: Notification of results will be by post and email to the Project Leader)

<b>Name:</b> Kate Longhurst Head of Science Coral Cay Conservation	<b>Address:</b> The Granary, Shoelands Farm, Puttenham, Surrey, GU10 1HL, UK
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**2. Stage 1 reference and Project title**

**(max 10 words)** Enhancing economic development through improved natural resource management in Montserrat

**3. Project dates, duration and total Darwin Initiative Grant requested, matched funding**

**Proposed start date:** 1<sup>st</sup> April 2013 **Duration of project:** 2 years **End date:** 31<sup>st</sup> March 2015

Darwin request	2013/14 £	2014/15 £	2015/16 £	2016/17 £	Total £
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**Proposed (confirmed and unconfirmed) matched funding as percentage of total Project cost:**

Coral Cay Conservation  
Cash Co-financing £XXX  
Volunteer contributions (unconfirmed) £XXX  
In-kind co-financing (Staff time)  
Three permanent staff 20% of time £XXX  
Field Base Manager 100% of time £XXX  
  
RSPB in kind support (staff time)  
Partner Development Officer 5% of time £XXX  
Senior Conservation Scientist 4% of time £XXX  
Marketing support £XXX

After the initial start-up of the project, the objective is that the project will be self-funding by the end of year 2 from volunteer fees.

**4. Define the outcome of the project. This should be a repetition of Question 24, Outcome Statement.**

**(max 100 words)**

The sustainable use of marine and terrestrial resources in Montserrat is increased, resulting in increased livelihood opportunities through sustainable fisheries and ecotourism.

**5. Country(ies)**

Which eligible host country(ies) will your project be working in. You may copy and paste this table if you need to provide details of more than four countries.

Country 1: MONTSERRAT	Country 2:
Country 3:	Country 4:

## 6. Biodiversity Conventions

Which of the three conventions supported by the Darwin Initiative will your project be supporting? Note: projects supporting more than one convention will not achieve a higher scoring

Convention On Biological Diversity (CBD)	Yes
Convention on Migratory Species (CMS)	No
Convention on International Trade in Endangered Species (CITES)	No

### 6b. Biodiversity Conventions

Please detail how your project will contribute to the objectives of the convention(s) your project is targeting. You may wish to refer to Articles or Programmes of Work here.

Note: No additional significance will be ascribed for projects that report contributions to more than one convention

(Max 200 words)

This project focuses on three thematic areas of the CBD: island biodiversity, forest biodiversity, and marine and coastal biodiversity. It addresses the major cross cutting issues of protected areas, sustainable use of biodiversity, tourism and biodiversity, and communication, education and public awareness.

Key Aichi Targets that this project will contribute to include 1: awareness raising, 2: integrating biodiversity into strategies, 4: sustainable plans for natural resources, 6: sustainable marine resource management, 11: protection of marine areas and 19: increase in scientific knowledge.

The project will support the sustainable use of biodiversity through improved fishing practices and ecotourism, and help to integrate biodiversity considerations into national decision making (Article 10:a,b,d&e). Scientific surveying will identify and monitor components of biodiversity important for conservation and sustainable use (Article 7:a,b,c&d). The development of a LMMA and the strengthening of terrestrial management will contribute to in-situ conservation efforts for key biodiversity areas (Article 8:a,c,d,f,h,i,j&l) and contribute to national strategies for sustainable use of biodiversity (Article 6:a&b). By providing resources and training to Montserratians, the project will enhance research and training opportunities (Article 12:a,b&c) and promote public awareness of biodiversity issues (Article 13:a&b). A collaborative approach will ensure that scientific data is freely available (Article 17:a&b).

Is any liaison proposed with the CBD/CITES/CMS focal point in the host country?

Yes  No if yes, please give details:

7. Principals in project. Please identify and provide a one page CV for each of these named individuals. You may copy and paste this table if you need to provide details of more personnel or more than one project partner.

Details	Project Leader	Project Partner 1 - Main	Project Partner 2
Surname	Longhurst	Millett	O'Garro
Forename (s)	Kate	James	Melissa
Post held	Head of Science	Partner Development Officer, UK Overseas Territories	Director of Agriculture
Institution (if different to above)		RSPB	Government of Montserrat
Department	Science	International	Department of Agriculture
Telephone			
Email			

**8. Has your organisation received funding under the Darwin Initiative before? If so, please provide details of the most recent (up to 6 examples).**

Reference No	Project Leader	Title
11017	Peter Raines	The Effect of Macroalgal Overgrowth on the Growth Rate and Survival of Coral Recruits in Honduras
15041	Peter Raines	The Waria Valley Community Conservation and Sustainable Livelihoods Programme
EIDPR027	Craig Turner	The Waria Valley Community Conservation and Sustainable Livelihoods Programme

**9a. IF YOU ANSWERED 'NO' TO QUESTION 8 please complete Question 9,**

What year was your organisation established/ incorporated/ registered?	
What is the legal status of your organisation?	NGO Yes/No Government Yes/No University Yes/No Other (explain) Yes/No
Type of organisation (e.g. University, NGO, private sector, Government Department etc)	
Have you unsuccessfully applied to the Darwin Initiative before? If yes please provide the application reference number(s)	
How is your organisation currently funded?	(Max 100 words)
Have you provided appropriate audited/independently examined accounts?	Yes/No

**9b. Provide detail of 3 contracts previously held by your institution that demonstrate your credibility as a research organisation and provide track record relevant to the project proposed. These contracts should have been held in the last 5 years and be of a similar size to the grant requested in your Darwin application.**

Contract 1 Title	
Contract Value	
Contract Duration	
Role of institution in project	
Brief summary of the aims, objectives and outcomes of the contract.	
Reference contact details (Name, e-mail, address, phone number).	

Contract 2 Title	
Contract Value	
Contract Duration	
Role of institution in project	
Brief summary of the aims, objectives and outcomes of the contract.	
Reference contact details (Name, e-mail, address, phone number)	

Contract 3 Title	
Contract Value	
Contract Duration	
Role of institution in project	
Brief summary of the aims, objectives and outcomes of the contract.	
Reference contact details (Name, e-mail, address, phone number).	

**9c. Describe briefly the aims, activities and achievements of your organisation. (Large institutions please note that this should describe your unit or department)**

<b>Aims (50 words)</b>
<b>Activities (50 words)</b>
<b>Achievements (50 words)</b>

**10. Please list all the partners involved (including the Lead Institution) and explain their roles and responsibilities in the project. Describe the extent of their involvement at all stages, including project development. This section should illustrate the capacity of partners to be involved in the project. Please provide written evidence of partnerships. Please copy/delete boxes for more or fewer partnerships.**

<b>Lead institution and website:</b>	<b>Details (including roles and responsibilities and capacity to engage with the project): (max 200 words)</b>
Coral Cay Conservation <a href="http://www.coralcay.org">www.coralcay.org</a>	<p>Coral Cay Conservation (CCC) has been managing volunteer led, community based conservation projects around the world since 1986. CCC works within communities in tropical countries to develop and implement conservation solutions. Their work has three key components: 1) collection of scientific data to produce outputs which can be used to inform sustainable management plans; 2) capacity building within host countries through direct training of local stakeholders in skills required for the sustainable management of natural resources; 3) raising awareness of environmental issues both within host countries and beyond, through direct community engagement in addition to wider publication and outreach.</p> <p>CCC will be responsible for leading this project, including coordinating and developing scientific research plans, volunteer recruitment and management, in-country implementation, direct stakeholder engagement, organising community outreach efforts, and producing and disseminating outputs. All of these activities will be carried out in collaboration with project partners, including the RSPB and the Government of Montserrat. The project will be managed from CCC's head office in Surrey and a team of trained in-country staff, including both international and local personnel, will oversee its implementation on the ground.</p>

<b>Partner Name and website where available:</b>  RSPB <a href="http://www.rspb.org.uk">www.rspb.org.uk</a>	<b>Details (including roles and responsibilities and capacity to engage with the project): (max 200 words)</b>  <p>The RSPB is the largest wildlife conservation NGO in Europe, with more than 2,000 paid staff, almost 18,000 active volunteers and more than a million subscribing members. The RSPB is the UK partner of Birdlife International. The RSPB has been working in the UK Overseas territories for almost 20 years; this work is undertaken in partnership with local groups: NGOs, National Trusts or Government Agencies. The underlying principal of the RSPBs engagement in the UKOTs is to establish enduring relationships with local partners and support their development to lead sustainable conservation programmes.</p> <p>The RSPB and the Department of Environment, Montserrat (DOE) have worked together since 1997 with the aims of preventing the extinction in the wild of the Montserrat Oriole, conserving the avifauna of the Centre Hills, and increasing Montserrat's capacity to manage its biodiversity resources.</p> <p>This project will be supported by the Partner Development Officer of the OTs team who will provide technical support and advice. In addition, project partners will have the opportunity to draw on expertise across the society including reserve management, communications and education. The RSPB will support the promotion and marketing of the project, including disseminating information to its numerous members and supporters.</p>
<b>Have you included a Letter of Support from this institution?</b>	<b>Yes</b>

<b>Partner Name and website where available:</b>  Government of Montserrat <a href="http://www.gov.ms">www.gov.ms</a>	<b>Details (including roles and responsibilities and capacity to engage with the project): (max 200 words)</b>  <p>The Government of Montserrat (GoM) has identified the development and implementation of strategies and plans to conserve biodiversity and other natural resources as a key goal for sustainable development. This project has been initiated at the invitation of the GoM to contribute to this goal. The project management committee will include strong representation from a variety of government departments including the Department of Environment (DoE), Department of Agriculture – Fisheries (DoA) and the Department of Tourism (DoT). Government employees will provide technical support, advice and local knowledge, as well as taking the lead on the long term implementation of management plans.</p>
<b>Have you included a Letter of Support from this institution?</b>	<b>Yes</b>

<b>11. Have you provided CVs for the senior team including the Project Leader</b>	<b>Yes</b>
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## 12. Problem the project is trying to address

Please describe the problem your project is trying to address. For example, what biodiversity and development challenges will the project address? Why are they relevant, for whom? How did you identify these problems?

**(Max 200 words)**

Sixty per-cent of Montserrat's 102 sq. km has been impacted by volcanic eruptions. This has destroyed much of the island's ecosystems, including forests and rich coral reef systems and associated fishing grounds in the southern half of the island. Pressure on remaining resources has increased. Since the onset of volcanic activity, tourism, which was once a significant contributor to the island's economy, has been severely reduced. Emigration has also had a severe impact on the economy and the territory is ODA eligible. This project will address a number of associated problems:

- The fishing pressure on the accessible reefs is intense but no marine management measures are in place. Current fisheries practices are wasteful and there is very little capacity to establish marine managed areas.
- The management of the Centre Hills remains limited by scientific data, particularly the interaction of invasive alien species.
- Human capacity is very low for marine management and forest rangers report that the lack of young recruits to conservation/ecotourism is a concern, and most conservationists are reaching retirement.
- Ecotourism has been identified as a key activity for economic recovery, but numbers remain low and numbers accessing the marine environment very low.

## 13. Methodology

Describe the methods and approach you will use to achieve your intended outcomes and impact. Provide information on how you will undertake the work (materials and methods) and how you will manage the work (roles and responsibilities, project management tools etc).

**(Max 500 words – repeat from Stage 1 with changes highlighted)**

A Project Manager will oversee the in-country implementation of the project, with oversight from CCC's UK Head Office. They will work closely with partners, including DOE, DOA (Fisheries), DoT and the RSPB. A local project steering committee will be established to agree and review activities and progress. A project site and training centre will be established on Montserrat. The project will be supported by c.6 local staff.

The project will initiate a long term programme that will use CCC's award winning citizen science approach: volunteers undertake work on the project for a period between 1-6 months and contribute financially to the project costs. All volunteers receive a comprehensive training package from qualified staff and must pass a variety of tests to ensure the quality of data collected. The target is a complement of 20 volunteers at any one time in Montserrat. It is envisaged that by the end of year two, the project will be financially sustainable and run with a minimum of a five year horizon.

### **Marine Conservation:**

A survey programme will provide an interactive meta-database of existing biodiversity and coral reef health. Data collected will help assess the current state of Montserrat's reefs. Information

will inform a planning process for multiple-use plan (Locally Managed Marine Area, LMMA). Potential resource use conflicts will be addressed through employing a participatory process involving all stakeholders, particularly through regular stakeholder meetings and workshops. A management committee with representatives from key stakeholder groups will be formed and will generate a management plan including an agreed zonation scheme. Monitoring of environmental and fisheries parameters will continue to provide scientific feedback on the effectiveness of management measures.

#### **Terrestrial Conservation:**

The project will support management of the Centre Hills and Key Biodiversity Areas including the Ghauts Dry Forest through the provision of information to guide management and sustainable use. Key areas identified by stakeholders include: undertake new research on Montserrat's understudied and highly endemic groups including invertebrates, bats and reptiles, support on-going conservation and monitoring programmes and assess the impact of introduced predators on the Centre Hills ecosystem. Findings will feed in to a revision of management planning for the Centre Hills and ongoing technical support for Park Management.

#### **Community Engagement:**

Effectively engaging resource users will be instrumental: environmental awareness campaigns will aim to create more understanding about the importance and benefits of environmental protection for livelihoods and encourage increased involvement in conservation efforts. Community perception surveys will help establish the current knowledge, attitude and perception of local communities on coastal marine resources and establish a baseline to measure success.

#### **Training and Scholarships:**

10-15 local scholars will be selected over the first two years to undergo a comprehensive Skills Development Course. The course includes training in SCUBA diving, marine and terrestrial ecology, biological surveying, conservation management, invasive species, marine law and legislation, sustainable fisheries and ecotourism. The courses will take place at the CCC project site with a flexible programme to accommodate other employment commitments and will take place over several months. This training will provide the tools and expertise to act as park managers, wardens and tour guides.

#### **Promotion of Ecotourism:**

The project will be promoted in the UK, Europe and North America. The project will increase tourism by direct visits, the multiplier effect (friends and family) and through raising international profile.

### **14. Outcome**

Detail what the expected outcomes of this work will be. The outcome should identify what will change and who will benefit. The outcome should refer to how the project will contribute to reducing poverty while contributing to sustainable development and management of biodiversity and its products. A summary statement of this outcome should be provided in question 4 and 24.



(Max 250 words)

Conservation of key habitats, enhanced food security and sustainable use of natural resources secured through the development of a stakeholder agreed Locally Managed Marine Area and improved management of the Central Hills forest. The improved management of natural resources will support local livelihoods by: increasing fish stocks for local fishermen and enhancing opportunities for ecotourism. This will be complemented by a comprehensive training programme that will provide Montserratians with the skills necessary to build livelihoods in ecotourism and natural resource management. In addition, by directly increasing ecotourism to the island, the project will help enhance the island's economy.

The fishing community will benefit from increased fish catches through the implementation of a marine managed area. Local tourist guides and natural resource managers will benefit from long-term capacity building programmes that address the lack of skills and knowledge currently available to support marine and terrestrial management with at least 10-15 scholars trained in the first two years. Tourism operators will benefit from increased tourism numbers to the island.

This work builds on the conservation management work already conducted for the Central Hills, thereby contributing significantly to the establishment of a holistic conservation management plan for Montserrat. It will feed into Montserrat's Sustainable Development Plan (2008-2020) which identifies biodiversity conservation as a key strategic goal. Furthermore, this project will help lower Montserrat's dependence on UK support and lay the foundation for sustainably managed marine and terrestrial habitats that provide important food security from fisheries and forestry products and increased revenue from ecotourism.

**15a. Is this a new initiative or a development of existing work (funded through any source)? Please give details (Max 200 words):**

The project is a new initiative that uses an innovative approach to link together and build upon a number of existing bodies of work. These include the long running programme to conserve the Critically Endangered Montserrat oriole (*Icterus oberi*), the management of the Centre Hills and mountain chicken (*Leptodactylus fallax*) species recovery initiatives. The development of the Centre Hills PA was supported by previous Darwin projects, and more recent work to undertake control of invasive species and mountain chicken conservation has been supported by OTEP and Darwin, whilst ongoing oriole monitoring has been supported by the RSPB. To date very limited marine management has been undertaken (the creation of an artificial reef funded under OTEP). This project will link existing work to a "ridge to reef approach" with strengthened elements of training for local conservationists, sustainable financing and enhanced tourism links.

**15b. Are you aware of any other individuals/organisations/ projects carrying out or applying for funding for similar work?**  Yes  No

If yes, please give details explaining similarities and differences, and explaining how your work will be additional to this work and what attempts have been/will be made to co-operate with and learn lessons from such work for mutual benefits:

**15c. Are you applying for funding relating to the proposed project from other sources?**  Yes  No

If yes, please give brief details including when you expect to hear the result. Please ensure you include the figures requested in the spreadsheet as Unconfirmed funding.

Montserrat Governor's Discretionary Fund: Small grant of £10,000, applied September 2012,

funds to be allocated April 2013.

## 16. Value for money

Please describe why you consider your application to be good value for money including justification of why the measures you will adopt will secure value for money?

(Max 250 words)

The project will adopt a holistic method, incorporating both terrestrial and marine elements in a 'ridge to reef' approach. By combining these elements, the work undertaken will provide maximum conservation benefits for both terrestrial and marine environments through an integrated programme. A number of the qualified project staff who carry out this work will be volunteers and therefore provide their skills and expertise to Montserratian conservation at no cost. Staff numbers will be supplemented by paying volunteers who will provide additional manpower to carry out the project, as well as providing a sustainable financing mechanism for the work programme, community engagement activities and local training scheme. This sustainable financing will ensure that the initial two year project can provide a platform for on-going conservation work in Montserrat, financed by volunteer contributions.

CCC has been working in the expedition and diving fields for many years and therefore has a number of cost-effective systems in place for the management of expedition sites. This includes a variety of trade accounts which will ensure the best prices for procurement of equipment, goods and services. In addition, the Field Base Manager will be trained in a variety of equipment maintenance techniques to minimise the need to outsource this work. Consultancy costs will be minimal because CCC already has access to the majority of necessary expertise in-house.

## 17. Ethics

Outline your approach to meeting the Darwin Initiative's key principles for research ethics as outlined in the guidance notes.

(Max 300 words)

To ensure that the project meets all legal and ethical obligations of the UK and Montserrat, work will be carried out in close collaboration with the GoM and will at all times be informed by their advice and guidance. A project steering committee will be created with strong representation from the GoM as well as other NGOs and community groups. The project will involve a high level of community engagement and input, including community education activities, stakeholder meetings and workshops, and a comprehensive training programme for Montserratians. The project will draw on the local and traditional knowledge of current rangers by engaging them as consultants, and encouraging them to share their skills and experiences, as well as providing input into the training programme for new rangers. Other project activities will be carried out in collaboration with the local community and activities will be organised with their input. Written consent will be sought in advance where necessary (e.g. surveys).

CCC follows strict procedures to ensure the safety of all staff and volunteers. For all projects, CCC develops comprehensive risk assessments, critical incident management plans and emergency evacuation plans, and project staff are trained appropriately.

To ensure the credibility of research CCC employs conservation professionals with a proven track record of delivering high quality scientific research. This project will also benefit from the expertise of the RSPB's conservation scientists who will help to ensure delivery of high quality outputs. CCC's mission statement is 'providing resources to protect livelihoods and alleviate poverty through the protection, restoration and sustainable use of coral reefs and tropical forests'. This project seeks to achieve this goal by working with the local community in

Montserrat to conserve and sustainably manage marine and terrestrial resources in order to enhance livelihoods, both within the fishing community and through ecotourism.

### PATHWAY TO IMPACT

#### 18. Legacy

Please describe what you expect will change as a result of this project with regards to biodiversity conservation/sustainable use and poverty alleviation. For example, what will be the long term benefits (particularly for biodiversity and poor people) of the project in the host country or region and have you identified any potential problems to achieving these benefits?

(Max 300 words)

Stakeholder engagement and development of management plans will lead to an effective LMMA which will provide on-going benefits including increased fish stocks, improved overall coral reef health and improved livelihoods for local fishermen. Throughout the process, the GoM will be a lead partner in LMMA and will be in a position to coordinate on-going sustainable management.

Research programmes in the Centre Hills region will provide data that will feed in to the sustainable management of terrestrial biodiversity. Improved management will lead to on-going conservation benefits, improved ecosystem services and enhanced capacity for eco-tourism activities.

Community engagement and education work will lead to increased knowledge of the importance of conserving biodiversity and motivation to sustainably manage natural resources. A positive attitude towards the natural environment will be engendered, resulting in continued momentum for conservation activities post-project. Activities such as teacher training as well as the production of resources (movies and posters) will ensure on-going knowledge transfer.

Training of local scholars will establish a core group with the knowledge and skills to continue to drive conservation efforts. These individuals will benefit from enhanced livelihood opportunities within the fields of environmental management and ecotourism.

By raising the profile of Montserrat through advertising and promotion of the project to supporters of CCC and partner organisations (including RSPB's members), the project will enhance ecotourism on the island. This will result in increased revenue and livelihood opportunities for local people.

Given the limited area available for fishing, there is potential for conflicts over resource access to arise. There is potential for friction between government and user groups when developing management plans. This will be mitigated by actively involving communities, particularly fishermen in all stages of the conservation planning and management process and working to develop a stakeholder agreed zonation scheme for the LMMA.

#### 19. Pathway to poverty alleviation

Please describe how your project will benefit poor people living in low-income countries. Projects are required to show how positive impact on poverty alleviation will be generated from your project in low-income countries. All projects funded under the Darwin Initiative in Round 19 must be compliant with the Overseas Development Assistance criteria as set out by the OECD. The outcomes of your research must at the very least provide insight into issues of importance in achieving poverty alleviation.

(Max 300 words)

Prior to the onset of volcanic activity in 1995, tourism accounted for between 20 and 36% of the GDP of Montserrat. The tourism industry has declined severely and now accounts for only 5% of GDP. This substantial reduction has had a devastating impact on the economy of the country. The Government of Montserrat has identified tourism as a key area for growth and has developed a Tourism Development Plan in order to rebuild the tourism industry.

By improving the management of natural resources, providing training for local rangers and engaging the local community in conservation activities, as well as directly promoting the island as a destination, this project will directly contribute to the realisation of the Tourism Development Plan by contributing to a number of identified strategic initiatives, including:

- Expand and diversify tourism product
- Enhance tourism attractions and amenities
- Upgrade quality and service standards
- Focused and cost effective destination marketing

In addition to enhancing opportunities in the tourism sector in general, approximately 2% of the population will benefit directly either through increased income from fishing as a result of improved marine management, or through improved employment opportunities in the ecotourism or conservation management sectors as a result of training provided.

The research will provide data which will feed in to national policy on the sustainable use of natural resources and the conservation of biodiversity. It will inform decision making on environmental management, conservation of biodiversity and protected areas. In particular, it will provide much needed information on marine ecosystems which will enable the development of more effective policy on the protection of these areas. All of this will feed in to the sustainable development process outlined in Montserrat's Sustainable Development Plan (2008-2020) which seeks to develop a healthy country with a thriving modern economy.

## 20. Exit strategy

State whether or not the project will reach a stable and sustainable end point. If the project is not discrete, but is part of a progressive approach, give details of the exit strategy and show how relevant activities will be continued to secure the benefits from the project. Where individuals receive advanced training, for example, what will happen should that individual leave?

(Max 200 words)

By end of year 2, a LMMA will be established and the management plan for the Centre Hills revised. By developing plans in collaboration with local stakeholders in order to ensure that they meet local needs and having the GoM sign off on the plans, this project will guarantee that the impetus to carry out this management is present in-country. The training of local scholars will provide a core group of enthusiastic individuals in Montserrat who are equipped with the necessary knowledge and skills to effectively manage natural resources. This will allow marine and terrestrial monitoring work to continue and adaptive management to be practiced long-term. Outreach activities will have generated a supportive attitude towards biodiversity conservation among local communities.

Although the project will have achieved goals by the end of year 2, the project will be self-financed by volunteer contributions and will continue for at least a further three years. This model has been used extensively by CCC on projects around the world and will enable staff and volunteers to remain in-country to provide on-going support to natural resource managers, train additional scholars, carry out on-going community engagement work and contribute to continued scientific monitoring activities.

**21. Raising awareness of the potential worth of biodiversity**

If your project contains an element of communications, knowledge sharing and/or dissemination please provide a description of your intended audience, how you intend to engage them, what the expected products/materials there will be and what you expect to achieve as a result. For example, are you expecting to directly influence policy in your host country or is your project a community advocacy project to support better management of biodiversity?

(Max 300 words)

CCC staff and volunteers will engage with stakeholders at all levels to promote the understanding of the natural environment of Montserrat as well as CCC's work in-country.

Direct engagement with local communities, including fishermen, school children, forest rangers, women's groups and government employees, will involve a range of activities, including open days at the expedition base for visiting schools, teacher training workshops, production and screening of educational movies showcasing Montserrat's natural resources, and development of posters and other educational resources for display in public buildings. Through these activities, CCC will raise an awareness of the importance of Montserrat's natural resources and the benefits of sustainable management practices. A community perception survey will be conducted prior to these activities in order to allow the success of the campaign to be quantified.

Montserratian scholars will join the project and benefit from an intensive training programme. The course includes training in SCUBA diving, marine and terrestrial ecology, biological surveying, conservation management, invasive species, marine law and legislation, sustainable fisheries and ecotourism. Scholars will be equipped with the skills and knowledge to act as advocates for the protection of the natural environment within their communities.

CCC staff will engage regularly with government stakeholders within the Department of Environment, Department of Fisheries and Tourism Board in order to disseminate information about on-going research and community engagement activities. Scientific reports will be prepared summarising findings and providing recommendations for management activities. CCC will work to build interrelationships between government and other stakeholders and foster collaborations to improve communications and data management. In order to achieve this CCC will establish on-going stakeholder meetings, in addition to hosting workshops and training events covering topics such as: management targets and threats, assessment of biodiversity objectives, assessment of stakeholder engagement, identification of barriers to successful environmental management and ecotourism.

**22. Importance of subject focus for this project**

If your project is working on an area of biodiversity or biodiversity-development linkages that has had limited attention (both in the Darwin Initiative portfolio and in conservation in general) please give details.

( Max 250 words)

Montserrat has received little conservation attention over the years and the majority of this has been focused on terrestrial habitats only. The Darwin Initiative has previously funded four projects on Montserrat, all of which were terrestrially focused. This project with its holistic 'ridge to reef' approach is unique in the history of conservation in Montserrat. Marine environments in particular have received little attention despite the fact that the protection and conservation of

all of Montserrat's biodiversity and natural resources is identified as a key strategic goal for sustainable development. Additionally, Montserrat's Tourism Development Plan specifically identifies the creation of a marine reserve as a key activity for economic development through tourism. To date, marine conservation has been restricted to an artificial reef project funded by OTEP.

The Darwin Initiative has identified a need to develop mechanisms to fund the implementation of conservation activities on islands, including specifically Overseas Territories that are distinct from the DI programme (Thematic Review: Conservation of Biodiversity on Islands, Recommendation 8). There is concern that on-going conservation efforts will be constrained by limited funding following DI or OTEP assistance. This project addresses this concern by building in an on-going funding mechanism from the outset. CCC's volunteer funded, citizen science approach will ensure that the project has a much longer horizon than the initial two year period covered by this application, with a minimum five year outlook to begin with.

### 23. Leverage

#### a) Secured

Provide details of all funding successfully levered (and identified in the Budget) towards the costs of the project, including any income from other public bodies, private sponsorship, donations, trusts, fees or trading activity.

#### Confirmed:

Coral Cay Conservation  
 Cash Co-financing £60,400  
 In-kind co-financing (Staff time)  
 Three permanent staff 20% of time £24,000  
 Field Base Manager 100% of time £24,000

RSPB in kind support (staff time)  
 Partner Development Officer 5% of time £3,793  
 Senior Conservation Scientist 4% of time £2,906  
 Marketing support £2,679

#### b) Unsecured

Provide details of any matched funding where an application has been submitted, or that you intend applying for during the course of the project. This could include matched funding from the private sector, charitable organisations or other public sector schemes.

Date applied for	Donor organisation	Amount	Comments
September 2012	Montserrat Governor's Discretionary Fund	£10,000	Funds to be allocated March 2013

**PROJECT MONITORING AND EVALUATION****MEASURING IMPACT****24. LOGICAL FRAMEWORK**

Darwin projects will be required to report against their progress towards their expected outputs and outcomes if funded. This section sets out the expected outputs and outcomes of your project, how you expect to measure progress against these and how we can verify this. Further detail is provided in Annex x of the guidance notes which you are encouraged to refer to. The information provided here will be transposed into a logframe should your project be successful in gaining funding from the Darwin Initiative. The use of the logframe is sometimes described in terms of the Logical Framework Approach, which is about applying clear, logical thought when seeking to tackle the complex and ever-changing challenges of poverty and need. In other words, it is about sensible planning.

**Impact**

The Impact is not intended to be achieved solely by the project. This is a higher-level situation that the project will contribute towards achieving. All Darwin projects are expected to contribute to poverty alleviation and sustainable use of biodiversity and its products.

(Max 100 words)

Livelihoods are enhanced and food security is improved in Montserrat by the locally driven and sustainable management of marine and terrestrial natural resources.

**Outcome**

There can only be one Outcome for the project. The Outcome should identify what will change, and who will benefit. The Outcome should refer to how the project will contribute to reducing poverty and contribute to the sustainable use/conservation of biodiversity and its products. This should be a summary statement derived from the answer given to question 14.

(Max 100 words)

The sustainable use of marine and terrestrial resources in Montserrat is increased, resulting in increased livelihood opportunities through sustainable fisheries and ecotourism.

**Measuring outcomes - indicators**

Provide detail of what you will measure to assess your progress towards achieving this outcome. You should also be able to state what the change you expect to achieve as a result of this project i.e. the difference between the existing state and the expected end state. You may require multiple indicators to measure the outcome – if you have more than 3 indicators please just insert a row(s).

Indicator 1	By the end of year 2 an effective Locally Managed Marine Area has been created. Within two years of establishment, 50 individuals linked to artisanal fisheries report improved livelihoods.
Indicator 2	Two stakeholder agreed key biodiversity area management plans are agreed and being implemented by the end of year 2.
Indicator 3	Expenditure by tourists on nature based tourism is increased by 20% by the end of year 2.

### Verifying outcomes

Identify the source material the Darwin Initiative (and you) can use to verify the indicators provided. These are generally recorded details such as publications, surveys, project notes, reports, tapes, videos etc.

Indicator 1	Fisheries surveys, community perception surveys.
Indicator 2	Marine and terrestrial management plans
Indicator 3	Department of Tourism exit survey and figures

### Outcome risks and important assumptions

You will need to define the important assumptions, which are critical to the realisation of the *outcome and impact* of the project. It is important at this stage to ensure that these assumptions can be monitored since if these assumptions change, it may prevent you from achieving your expected outcome. If there are more than 3 assumptions please insert a row(s).

Assumption 1	Volcanic activity on Montserrat remains within safe levels for work to continue. Mitigation: the project areas are located outside of the exclusion zone.
Assumption 2	Infrastructure remains in place to support increased tourism numbers: regular flights remain and improvements to ferry service are implemented as planned. Mitigation: close liaison with the Tourism Department to ensure access changes support the project objectives
Assumption 3	Government departments continue to be supportive of the project. Mitigation: A Memorandum of Agreement will be signed with the Department of Environment and Montserrat Tourism Board.

### Outputs

Outputs are the specific, direct deliverables of the project. These will provide the conditions necessary to achieve the Outcome. The logic of the chain from Output to Outcome therefore needs to be clear. If you have more than 3 outputs insert a row(s). It is advised to have less than 6 outputs since this level of detail can be provided at the activity level.

<b>Output 1</b>	A stakeholder supported Locally Managed Marine Area based on accurate and comprehensive scientific information is agreed and implemented through a participatory approach.
<b>Output 2</b>	Improved knowledge of the biodiversity and function of the Centre Hills and other Key Biodiversity Areas supports management planning and implementation..
<b>Output 3</b>	Ecotourism in Montserrat is enhanced through an increased international profile, improved capacity, enhanced experience and greater livelihood opportunities.
<b>Output 4</b>	Awareness, support for and the implementation of sustainable natural resource management is increased within local communities.



**Measuring outputs**

Provide detail of what you will measure to assess your progress towards achieving these outputs. You should also be able to state what the change you expect to achieve as a result of this project i.e. the difference between the existing state and the expected end state. You may require multiple indicators to measure each output – if you have more than 3 indicators please just insert a row(s).

<b>Output 1</b>	
Indicator 1	By the end of year 2 a scientific report which details the current health and status of Montserrat's coral reefs is available to government and other stakeholders for management planning and to guide the establishment of a Locally Managed Marine Area.
Indicator 2	By the end of year 2 a government approved, stakeholder agreed Locally Managed Marine Area, including a management plan, is established.
Indicator 3	Recorded fish catch size is increased by 10% within two years of the establishment of the Locally Managed Marine Area.

<b>Output 2</b>	
Indicator 1	Improved information on the biodiversity of Montserrat is available for management planning and to guide resource use on terrestrial key biodiversity areas by the end of year 2.
Indicator 2	The management plan for the Centre Hills protected area is revised and updated by the end of year 2.

<b>Output 3</b>	
Indicator 1	Ecotourism numbers to the island will have increased by 20% by the end of year 2.
Indicator 2	Livelihood prospects of at least ten Montserratians are improved in the environmental and ecotourism sectors by the end of year 2 through training on the scholarship programme and/or direct employment on the project.

<b>Output 4</b>	
Indicator 1	Community perception surveys show an increase in awareness and support for sustainable natural resource management within the project period.
Indicator 2	By the end of year 2 fishing efficiency is increased through a 20% reduction in use of wasteful and damaging fishing methods using traps.

### Verifying outputs

Identify the source material the Darwin Initiative (and you) can use to verify the indicators provided. These are generally recorded details such as publications, surveys, project notes, reports, tapes, videos etc.

Indicator 1	Marine survey reports; fisheries surveys; community perception surveys; LMMA management plan.
Indicator 2	Terrestrial survey reports; Centre Hills management plan.
Indicator 3	Department of Tourism exit survey; training records and scholarship awards.
Indicator 4	Community perception surveys; local press coverage; fisheries surveys.

### Output risks and important assumptions

You will need to define the important assumptions, which are critical to the realisation of the achievement of your outputs. It is important at this stage to ensure that these assumptions can be monitored since if these assumptions change, it may prevent you from achieving your expected outcome. If there are more than 3 assumptions please insert a row(s).

Assumption 1	Adverse weather conditions do not unduly interrupt survey activities.
Assumption 2	Stakeholders willing to engage.
Assumption 3	Stakeholder consensus can be reached on management plans.
Assumption 4	Technical and academic support continues from project partners.

### Activities

Define the tasks to be undertaken by the research team to produce the outputs. Activities should be designed in a way that their completion should be sufficient and indicators should not be necessary. Any risks and assumptions should also be taken into account during project design.

Output 1	
Activity 1.1	Carry out marine surveys in accessible areas based on modified Reef Check methodology. Collect data on benthic composition, fish species, invertebrate species and impacts such as coral bleaching and disease.
Activity 1.2	Establish and monitor two permanent transect sites for on-going coral reef monitoring, incorporating modified Reef Check surveys to assess ecological changes over time, temperature logging and sediment trapping.

Activity 1.3	Implement fisheries surveys to determine fishing practices and catches and allow for changes to be monitored.
Activity 1.4	Produce annual survey reports summarising ecological and fisheries data collected, to be presented to government and other stakeholders, as well as made publicly available through the CCC website.
Activity 1.5	DoE to appoint management committee for LMMA, including representatives of all stakeholder groups: the Department of Environment, Department of Agriculture (Fisheries), Montserrat Department of Tourism, National Trust of Montserrat, CCC, RSPB and local groups including fishermen.
Activity 1.6	Hold quarterly management committee meetings.
Activity 1.7	Run four stakeholder workshops covering topics including LMMA management targets and threats, assessment of biodiversity objectives, assessment of stakeholder engagement and identification of barriers to successful management.
Activity 1.8	Produce management plan for LMMA in collaboration with stakeholders.
Activity 1.9	LMMA declared and formalised by GoM.

### Output 2

Activity 2.1	Conduct terrestrial surveys in the Centre Hills protected area, including bird surveys (monthly species lists), bat surveys (mist net surveys to determine habitat associations), herpetofaunal surveys (lizards and frog distribution and monitoring including surveys for the Critically Endangered Montserrat galliwasp), invertebrate surveys (incorporating sweep netting and canopy trapping to determine species compositions and distribution) and invasive species monitoring (including rats and plants).
Activity 2.2	Produce annual survey reports summarising scientific findings, to be presented to government and other stakeholders, as well as made publicly available through the CCC website.
Activity 2.3	Host a stakeholder engagement event to disseminate scientific findings.
Activity 2.4	Hold quarterly stakeholder engagement meetings to discuss management targets and plans.
Activity 2.5	Revise Centre Hills management plan in collaboration with stakeholders.

<b>Output 3</b>	
Activity 3.1	Promote the project and Montserrat itself at dive shows, schools, universities, careers fairs and other events.
Activity 3.2	RSPB marketing of the project targets new volunteer base to work on the project, through project being profiled in the magazine, web-based media and targeted communications.
Activity 3.3	On-going recruitment of volunteers.
Activity 3.4	Project is profiled in Caribbean media including features in Montserrat (Paper and radio) Caribbean regional media and web based media (eg Birdlife International).
Activity 3.5	Develop training resources in collaboration with project partners, scientific advisors and local rangers.
Activity 3.6	On-going recruitment of scholars (at least 10 to be recruited during project period).
Activity 3.7	Run training programme for GoM staff, community representatives and students on a monthly basis.

<b>Output 4</b>	
Activity 4.1	Conduct community perception surveys to determine the knowledge, attitude and perception of local communities on natural resources and their management (pre- and post- project).
Activity 4.2	Host ten environmental open days for school children, incorporating educational activities and games aimed at raising awareness of conservation issues.
Activity 4.3	Develop and deliver an educational puppet show for young children.
Activity 4.4	Deliver two teacher training events to provide knowledge and resources for environmental education activities.
Activity 4.5	Develop and screen two educational films showcasing Montserrat's natural environment.
Activity 4.6	Produce and distribute two poster designs highlighting the importance of sustainable natural resource management on Montserrat.

25. Provide a project implementation timetable that shows the key milestones in project activities. Complete the following table as appropriate to describe the intended workplan for your project.

Activity	No of Months	Year 1				Year 2				Year 3			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Output 1 A stakeholder supported Locally Managed Marine Area based on accurate and comprehensive scientific data is agreed and implemented through a participatory approach.													
1.1 Carry out marine surveys	18												
1.2 Establish and monitor two permanent transect sites	12												
1.3 Implement fisheries surveys	4												
1.4 Produce annual survey reports	2												
1.5 DoE to appoint management committee	3												
1.6 Hold quarterly management committee meetings	8												
1.7 Run four stakeholder workshops	4												
1.8 Produce management plan for LMMA in collaboration with stakeholders	3												
1.9 LMMA declared and formalised by GoM	1												
Output 2 Improved knowledge of the biodiversity and function of the Centre Hills and other key biodiversity areas supports management planning and implementation.													
2.1 Conduct terrestrial surveys	24												
2.2 Produce annual survey reports	2												
2.3 Host stakeholder engagement event to disseminate scientific findings	1												
2.4 Hold quarterly stakeholder engagement meetings	8												
2.5 Revise Centre Hills management plan in collaboration with stakeholders	3												
Output 3 Ecotourism in Montserrat is enhanced through an increased international profile, improved capacity, enhanced experience and greater livelihood opportunities													
3.1 Promote the project and Montserrat at events	24												

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3.2	RSPB marketing	24										
3.3	On-going recruitment of volunteers	24										
3.4	Press coverage	24										
3.5	Develop training resources	3										
3.6	On-going recruitment of scholars	21										
3.7	Run training programme	21										
Output 4	Awareness, support for and implementation of sustainable natural resource management is increased within local communities.											
4.1	Conduct community perception survey	4										
4.2	Host ten open days for schools	10										
4.3	Develop and deliver educational puppet show	5										
4.4	Deliver two teacher training events	6										
4.5	Develop and screen two educational films showcasing Montserrat's natural environment	6										
4.6	Produce and distribute two poster designs	6										

## 26. Project based monitoring and evaluation

Describe, referring to the Indicators above, how the progress of the project will be monitored and evaluated, making reference to who is responsible for the projects monitoring and evaluation. Darwin Initiative projects are expected to be adaptive and you should detail how the monitoring and evaluation will feed into the delivery of the project including its management. Monitoring and evaluation is expected to be built into the project and not an 'add' on. It is as important to measure for negative impacts as it is for positive impact.

(Max 500 words)

At the outset of the project a management committee will be established in-country constituting representatives from CCC, RSPB, DoE, DoT and DoA (Fisheries), as well as other stakeholders including the Montserrat National Trust, Durrell Wildlife Trust, fishermen and other community groups. This committee will produce a detailed workplan for the first year, outlining specific tasks and responsibilities and will meet quarterly to evaluate progress towards goals.

Priority will be given to the collection of baseline information about key indicators which will be used to evaluate the success of project outcomes. This will include conducting fisheries and community perception surveys. Fisheries surveys will be conducted once a year and will continue beyond the end of year 2 in order to establish the effectiveness of the established LMMA. CCC will keep project partners updated on scientific and community engagement activities through the production of monthly project updates. These short newsletters will provide a synopsis of the work carried out each month and will be disseminated to project partners and other stakeholders. Community perception survey reports will be produced at the end of quarter 1, year 1 and the end of quarter 4, year 2.

Progress towards outputs 1 and 2 will be monitored by the timely production of scientific reports by CCC. These will be produced at the end of year 1 and the end of year 2 and will incorporate findings from marine surveys, permanent transects and fisheries surveys for output 1 and terrestrial surveys for output 2. In addition, CCC will be responsible for producing and circulating minutes from quarterly management committee and stakeholder engagement meetings.

In order to assess changes in the effectiveness of the management of both the developed LMMA and the Centre Hills, effectiveness assessment tools will be used at the outset of the project, it's mid-point and at the end of year 2. For the Centre Hills, the tool used will be the World Bank/WWF Protected Area Management Effectiveness Tracking Tool (METT) and for the LMMA the tool used will be the World Bank Score Card to Assess Progress in Achieving Management Effectiveness Goals for Marine Protected Areas (MPA METT). Both of these tools use a simple questionnaire based system to assign scores to various elements of protected area management in order to assess its overall effectiveness. These assessments will be carried out through participatory engagement with stakeholders at the quarterly management meetings. During the first evaluation the stakeholders will agree target scores for the second two evaluations which will take place later in the project.

CCC will work closely with partners from the DoT to monitor impacts on tourism numbers. DoT exit surveys and figures will be assessed at the outset of the project and monitored every six months by CCC staff in collaboration with DoT staff. Thorough records of all training provided will be kept and certificates will be issued to individuals who complete training programmes.

## FUNDING AND BUDGET

**Please complete the separate Excel spreadsheet which provides the Budget for this application. Some of the questions earlier and below refer to the information in this spreadsheet.**

**NB:** Please state all costs by financial year (1 April to 31 March) and in GBP. **Budgets submitted in other currencies will not be accepted.** Use current prices – and include anticipated inflation, as appropriate, up to 3% per annum. The Darwin Initiative cannot agree any increase in grants once awarded.

### 27. Value for Money

Please explain how you worked out your budget and how you will provide value for money through managing a cost effective and efficient project. You should also discuss any significant assumptions you have made when working out your budget.

(max 300 words)

CCC has been developing and delivering volunteer funded conservation projects in tropical countries for over twenty years. During this time we have established an efficient, cost effective system for delivering project goals. The majority of senior project staff are volunteers, while managerial staff are paid a small monthly salary. Where possible we recruit staff locally which not only keeps costs down but also contributes financially to local communities, as well as getting them involved directly in the project.

Having been working in the conservation expedition industry for several years, CCC has a number of useful contacts and trade accounts which ensure that the cost of equipment and services are kept to a minimum. The Field Base Manager is provided with training in the maintenance and repair of much of the equipment onsite in order to keep servicing costs down.

On this project, food will be a major expense as prices are higher in Montserrat than in other areas where CCC works. In order to keep these costs reasonable, every effort will be taken to source the best value options and to buy in bulk where possible. In addition, the volunteer fee will be increased compared to other CCC projects to cover this difference.

The main assumption in the budget is that a large proportion of the project costs will be covered by volunteer contributions. In year 1 this has been estimated as 4 terrestrial and 2 marine volunteers per month staying for an average of two weeks and in year 2 the average length of stay has been increased to three weeks (since the project will be well established by this time). However, these figures are highly conservative and, based on CCC's experience with other projects and the concerted marketing efforts this project will receive through both CCC and the RSPB, we anticipate that volunteer numbers are likely to be higher than this.

## FCO NOTIFICATIONS

Please check the box if you think that there are sensitivities that the Foreign and Commonwealth Office will need to be aware of should they want to publicise the project's success in the Darwin competition in the host country.

Please indicate whether you have contacted the local UK embassy or High Commission directly to discuss security issues (see Guidance Notes) and attach details of any advice you have received from them.

**Yes (no written advice)**  **Yes, advice attached**  **No**



**CERTIFICATION 2013/14**

On behalf of the company of Coral Cay Conservation

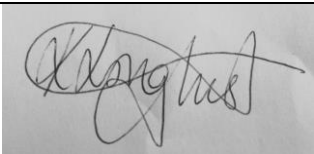
I apply for a grant of £90,200 in respect of **all expenditure** to be incurred during the lifetime of this project based on the activities and dates specified in the above application.

I certify that, to the best of our knowledge and belief, the statements made by us in this application are true and the information provided is correct. I am aware that this application form will form the basis of the project schedule should this application be successful. (*This form should be signed by an individual authorised by the lead institution to submit applications and sign contracts on their behalf.*)

**I enclose CVs for project principals and letters of support. Our most recent audited/independently verified accounts and annual report are also enclosed/can be found at (*delete as appropriate*):**

<b>Name (block capitals)</b>	Kate Longhurst
<b>Position in the organisation</b>	Head of Science

**Signed**



**Date:**

03/12/2012

**Stage 2 Application - Checklist for submission**

	<b>Check</b>
Have you provided <b>actual start and end dates</b> for your project?	x
Have you provided your <b>budget based on UK government financial years</b> i.e. 1 April – 31 March and in GBP?	x
Have you checked that your <b>budget is complete</b> , correctly adds up and that you have included the correct final total on the top page of the application?	x
Has your application been <b>signed by a suitably authorised individual?</b> (clear electronic or scanned signatures are acceptable in the email)	x
Have you included a <b>1 page CV for all the Principals</b> identified at Question 7?	x
Have you included a <b>letter of support from the <u>main</u> partner(s) organisations</b> identified at Question 10?	x
Have you <b>checked with the FCO</b> in the project country/ies and have you included any evidence of this?	n/a
Have you included a <b>copy of the last 2 years annual report and accounts</b> for the lead organisation? An electronic link to a website is acceptable.	x
Have you <b>read the Guidance Notes?</b>	x
Have you <b>checked the Darwin website</b> immediately prior to submission to ensure there are no late updates?	<b>x</b>

Once you have answered the questions above, please submit the application, not later than midnight GMT on Monday 3 December 2012 to [Darwin-Applications@ltsi.co.uk](mailto:Darwin-Applications@ltsi.co.uk) using the application number (from your Stage 1 feedback letter) and the first few words of the project title **as the subject of your email**. If you are e-mailing supporting documentation separately please include in the subject line an indication of the number of e-mails you are sending (eg whether the e-mail is 1 of 2, 2 of 3 etc). You are not required to send a hard copy.

DATA PROTECTION ACT 1998: Applicants for grant funding must agree to any disclosure or exchange of information supplied on the application form (including the content of a declaration or undertaking) which the Department considers necessary for the administration, evaluation, monitoring and publicising of the Darwin Initiative. Application form data will also be held by contractors dealing with Darwin Initiative monitoring and evaluation. It is the responsibility of applicants to ensure that personal data can be supplied to the Department for the uses described in this paragraph. A completed application form will be taken as an agreement by the applicant and the grant/award recipient also to the following:- putting certain details (ie name, contact details and location of project work) on the Darwin Initiative and Defra websites (details relating to financial awards will not be put on the websites if requested in writing by the grant/award recipient); using personal data for the Darwin Initiative postal circulation list; and sending data to Foreign and Commonwealth Office posts outside the United Kingdom, including posts outside the European Economic Area. Confidential information relating to the project or its results and any personal data may be released on request, including under the Environmental Information Regulations, the code of Practice on Access to Government Information and the Freedom of Information Act 2000.