



green drive

**Ryder Cup Green Drive
Sustainable Golf Outreach Project**

Biodiversity Fund for Perth & Kinross Golf Clubs



Funded By:





Introduction

The Ryder Cup 2014 Green Drive Outreach Projects aimed to extend the practical sustainability contribution of the event beyond the staging and operational activities, to stimulate practical action and generate widespread awareness across the Scottish and International golf community.

One of the four Outreach Projects benefited 26 local golf clubs in the Perth & Kinross area. Using the Ryder Cup to inspire action, the clubs had the opportunity to access a fund to develop and implement biodiversity projects on their course along with technical support from the Scottish Golf Environment Group, a subsidiary of the Scottish Golf Union. The clubs also had the opportunity to sign up to the GEO OnCourse programme leading to the GEO Certified™ ecolabel for sustainable golf club and course management.

Methodology

Project Menu

We had previously worked with and advised some of the eligible clubs so were already aware of some potential projects to take forward. We knew other clubs would be keen to get involved but would not necessarily have project ideas or developed plans to put forward for funding.

To encourage these other clubs to engage with us and to easily develop project ideas we wanted to present them with a **Project Menu**.

We wanted the Project menu to reflect a wide scope of habitat protection / enhancement and species protection projects. We felt it was important that any club biodiversity project was not only **beneficial to the ecology of the course**, and the enjoyment of the members and club visitors, but that the projects would contribute to **wider regional and national initiatives** to demonstrate golf's contribution to the overall Scottish 2020 Challenge for Scotland's Biodiversity strategy.

To assist in the preparation of the menu we decided to **consult** with the Biodiversity Officer of Perth & Kinross Council David Williamson along with the Tayside Local Biodiversity Partnership officer Catherine Lloyd. Catherine is also the leader of the Scottish Biodiversity Forum. Lynn Jopling of SGEG/SGU already represents the golf sector at many LBAP meetings so was very familiar with the targets, priorities and ambitions of the Tayside Biodiversity Partnership and their members. A variety of local experts that were already leading key projects in the area were keen to get involved with golf clubs so their projects were added to the menu.

The Project Menu details;

- The input requirements for the club (as time/labour resources are under pressure at many clubs)
- Project benefits to the club and the area



- Project leader details
- Timescales and restrictions
- Maximum funding per project and what would be included in the funding
- Web links to additional relevant downloadable best practice guidance from the SGEG website
- Further contacts / specialist links

The Project Menu can be found in Appendix 1.

Application process

An application form was prepared in accordance with the existing SGU Development Fund and the 26 eligible clubs were encouraged to apply for one or more project.

We went out to clubs in 2 phases and contacted all clubs directly by email/phone to encourage involvement in the Outreach Project.

Upon receipt of application form (or indication of interest), Lynn Jopling conducted a visit to each club to discuss suitability of the desired project and assist with developing more detail plans required for the club to progress.

Following this consultation and amendment of application forms if necessary, the suitable clubs were sent an award letter detailing how much funding they were being awarded, a report detailing what they would be required to do, the role of the project expert leader and a Project Evaluation and Claim Form.

Project Delivery

The clubs were then required to deliver the project in conjunction with their project leader, buying materials, sourcing labour and carrying out the works within the recommended timescales.

Upon completion, the clubs submitted the Project Evaluation and Claim Form, receipts and photographs, and if required a further visit was carried out to confirm project outcomes were satisfactory prior to funds being transferred to the club.

Clubs were encouraged to sign up to the GEO OnCourse programme and assistance is available from SGEG to progress further.

Club Projects

Below is a summary of the projects undertaken or still in progress at each of the clubs involved in the Outreach Project.

Alyth GC

Wildlife Trees Project, Total awarded £4000 Status: In progress

The club, with some guidance from their tree nursery and SGEG, drew up a planting plan and map of the Pee Wee course and practise area. Using red squirrel-friendly, native species a series of copse divide the two distinct areas and further planting has been planned for the site boundary.



Planting map, Alyth

Originally, Alyth had applied for funding to enhance and expand their course heather. Sadly, due to lack of machinery and some staff changes the project became impossible to pursue. Therefore, funds were re-directed to the tree planting on the Pee Wee course. The planting is currently underway and we look forward to receiving future updates, evaluation and claim form and photographs.

Benefits of the tree planting on the Pee Wee course and practise area include:

- Native, red-squirrel friendly species planted
- Increased nesting and roosting areas
- Improved aesthetics and safety for golfers and greenstaff
- Improved habitat linkage
- More junior members

Auchterarder GC

Red Squirrel and Wildlife Trees projects, Total awarded £2000, Status: In progress

The club were allocated funds for red squirrel conservation, bird and bat boxes and tree planting. SGEG are currently awaiting a project update. Boxes are being sourced and tree planting will commence in April, when machinery hire is available.

Blair Atholl GC

Wildlife Trees project, Total awarded £2000, Status: In progress

A mixture of native tree species were planted by greenkeeping staff and club volunteers between the 2nd and 9th holes. The benefits of which were:

- Increased tree knowledge of staff and club volunteers
- better hole definition
- Red-squirrel friendly species planted
- Increased nesting and roosting areas
- Increased winter berry food source
- Improved golfer understanding of their course, its wildlife and management



Phase 1 planting with native, red squirrel friendly species mix



Root ball planting

Blairgowrie GC

Wildlife Trees and shrub planting projects, Total awarded £2000 Status: All projects completed

Blairgowrie have undertaken and completed some native tree and shrub planting in several locations on their courses. Plants were specially selected for butterfly and bee species and native red squirrel friendly tree species used. The benefits of such an undertaking include:

- Staff knowledge of plants, native wildlife and conservation improved
- Improved nectar source for pollinating insects
- Screening of car parking and improved aesthetics
- Food source for red squirrel increased



Wildflowers for pollinating insects, Blairgowrie



Native shrub planting for the benefit of pollinating insects, Blairgowrie

Craigie Hill GC

Red Squirrel, BeeWild Clubhouse planting, Bird boxes, Wildlife Trees, Dry Stone Wall projects, Total awarded £8000, Status: All projects completed

The club undertook a significant amount of biodiversity works. These included wildflower planting, native red squirrel-friendly tree planting, bird box installation, red squirrel feeder provision, pond management and dry stone walling. The biodiversity and golfing benefits include:

- Increased microhabitats
- Increased bird nesting sites
- Positive feedback from golfers and NGO's such as The Woodland Trust, Saving Scotland's Red Squirrels and Perth and Kinross Bat Group
- The club have contributed to local and international biodiversity initiatives
- Local school children worked on boxes – improving community links and education
- Improved water quality and aquatic ecology
- Increased and improved habitat linkage with the use of dry stone walls
- Improved landscape aesthetics and linear habitat by repairing dry stone walls
- Increased pollinating insects – bees and butterflies in particular



Red squirrel feeder, Craigie Hill



Native tree planting Craigie Hill



Wildflower planting in bloom, Craigie Hill



Completed section of dry stone walling, Craigie Hill

Dalmunzie GC

Bat boxes, Swifts, Red squirrel and Wildlife Trees projects, Total awarded: £2500

Status: Bat project complete others in progress.

The club took up the offer from the Perth & Kinross Bat group and the Tayside Swift Project for a site visit. Following their guidance the club have erected bat and swift boxes as well as use a swift call CD to help link pre-existing swift populations in the nearby areas of Kirkmicheal, Glenisla and Bridge of Cally. Red squirrel work and tree planting is currently in the planning stage.

Benefits include:

- More roosting and nesting sites
- Increased golfer, visitor and staff awareness of bat and swift management and protection
- Increased community participation and communication



Bat boxes being placed by members of the Perth & Kinross Bat Group on Dalmunzie Golf Club

Dunkeld & Birnam GC

Pond/Ditch management and Barn Owl projects, Total awarded: £4700

Status: Pond /ditch project completed. Barn Owl project in progress

The greenkeepers undertook some gorse management and ditch management works at a time of minimal disturbance to wildlife. All buffer zones were also increased for biodiversity and further environmental benefits.



Gorse topped around pond to keep it young for nesting bird habitat, Dunkeld & Birnam



Increased surface area of buffers, Dunkeld & Birnam

The club also arranged for a local expert to place a barn owl box on their course.

Benefits include:

- Contribution to barn owl conservation and local biodiversity action plan species
- Increased biodiversity awareness in golfers and staff
- Potentially increased water quality due to increased grassland buffers along watercourse and pond
- Extending the longevity of the gorse for nesting birds and pollen production for insects
- Improved aesthetics around pond area by improving views of open water



Barn owl taking residence at Dunkeld & Birnam

Photograph credit to Carol Littlewood (Barn Owl Project Leader)

Dunning GC

Bird/bat boxes and Barn Owl projects, Total awarded: £1800, Status: Bat boxes completed, Barn Owl in progress.

The club took up the offer from the Perth & Kinross Bat group and the Barn Owl Project for a site visit. Following their guidance the club have erected bat and owl boxes.

The benefits include:

- Boxes encourage bat and owl population growth
- Barn owls offer superior rodent control
- Boxes are an educational tool
- Increased community and NGO involvement on the course

The bat boxes will be monitored annually by volunteers of the local bat group. Analysing the number and species of bats using the boxes is important to evaluate the success of the project.



Perth & Kinross Bat Group preparing to locate bat boxes



Volunteers locating bat boxes, Dunning

King James VI GC

BeeWild Clubhouse planting and Wildlife Trees projects, Total awarded: £4000, Status: In progress

The club undertook clubhouse planting to benefit pollinating insects, particularly bees and butterflies. They are also in negotiation with a local brewer to discuss what orchard species to plant for cider and wine making. Further tree planting involved replacement of non-natives with natives. Trees are scheduled to be planted in March 2015.

Benefits include:

- Improved local business connections
- Production of local beverage
- Increased blossom for pollinators
- Increase nectar for pollinating insects , butterflies in particular around clubhouse
- Positive feedback from golfers
- Improved aesthetics of clubhouse approach
- Decreased non-native tree species and increased native tree species



Apple harvest for cider production, King James VI

Perth & Kinross Council / North Inch Golf Course

Pond and Ditch work project, Total awarded: £2500, Status: Project completed

The club have completed their ditch and pond maintenance and enhancement during the winter to minimise disturbance to wildlife. They also retained many biodiversity significant plant species such as comfrey, vetch, marsh orchid, silverweed, meadowsweet.

The benefits include:

- Golfers volunteered as labour – improving community and club communication
- Ditches remain as natural as possible with select species remaining in situ
- Water flow increased to reduce risk of course flooding leading to closure

The projects are completed, SGEG await evaluation and claim form, photographs and receipts.



Pond and ditch before some selective vegetation removal

Pitlochry GC

Wildlife Trees project, Total awarded £4000, Status: Completed

The club consulted SGEG and a golf course architect to develop a planting plan for the new junior course.

Biodiversity and club benefits include:

- Communication with members on step by step development of course – eased the process for all
- More junior golfers attracted to the club
- New course blends well with the surrounding landscape
- Positive improvement for biodiversity , compared to previous land use
- Increased nesting and feeding habitat for birds, small mammals, red squirrel and various invertebrate species.
- Junior golfers conscious of the benefit of wildlife friendly golf



Planting plan for junior course, Pitlochry



Native tree planting junior course boundary

St. Fillans GC

Wildlife Trees, Clubhouse planting, Birds/bats box projects, Total awarded £2750, Status: In Progress

On the basis of a preliminary course survey, various sites have been identified for environmental development through the support of the project.



Once completed, the expected outcomes and benefits of the legacy project will be:

- An enhanced golf course environment will be created for wildlife.
- By planting native trees around the golf course in commemoration of the 2014 Ryder Cup, a sustainable tournament legacy will be established.
- With the planting of various shrubs an enhanced backdrop to two greens will be created.
- Increased number of bird species identified on and around the golf course.
- An Environmental Working Group will be established within the Club to co-ordinate, plan, manage and monitor environmental issues.
- Club members, council officials and green keeping staff will become more aware of environmental issues and the protection of wildlife habitats.
- Increased plant shrubs that attract butterflies, moths, bees and birds. E.g., buddleia, Hebe and different herbs to attract butterflies. Various varieties of flowers will be planted to attract bats such as stock, evening primrose and lavender. Plants such as yarrow, marguerite and French marigold, asters and coreopsis will attract lacewings, ladybirds and hoverflies.
- Feeding table and rail with suitable feeders outside of the clubhouse providing extra food for birds
- Aesthetics of the clubhouse, car park and entrance improved using shrubs beneficial to pollinators, bats, birds and bees.
- Improved and enhance club and member communication.

Strathmore GC

Wildlife Trees project, Total Awarded: £4000, Status: In progress

The club are currently following guidance from SGEG regards tree planting for the benefit of red squirrel and general biodiversity. The project is currently in progress and SGEG await an evaluation and claim form.

The benefits of planting native, red-squirrel friendly trees include:

- Species conservation education for golfers, visitors and staff
- Greenkeeper knowledge of native, red squirrel-friendly tree species increased
- Red squirrel food source increased
- Reduces any potential threat from grey squirrel
- Improvements in golf course safety and aesthetics
- Increased food supply for over wintering birds
- Increased shelter and nesting provision for birds and invertebrates



Extending out pre-existing native tree copse, Strathmore



Conclusions

- Clubs invited to take part: 26
- Clubs getting involved: 13 (50% take up of projects)
- Total number of projects: 23
- 10 out of the 13 participating clubs carried out multiple projects (77% of participating clubs carried out multiple projects)
 - Clubs planting native trees: 9
 - Clubs planting wildflowers: 3
 - Clubs erecting barn owl box: 2
 - Clubs erecting swift boxes: 1
 - Clubs erecting bat boxes: 4
 - Clubs undertaking red squirrel conservation: 2
- All 13 clubs have shown interest in continuing with their projects post March 2015
- 4 clubs registered with GEO OnCourse Programme

Without baseline studies and monitoring of species population numbers prior to and post any projects it is difficult to quantify their exact impact on biodiversity. All projects undertaken have proven beneficial for establishing links between biodiversity specialists and golf clubs. As with all species and habitat conservation works, continual recording and monitoring is vital in order to fully understand and evaluate their true success. Many of the clubs would very much like to continue with species monitoring, such as Dunning Golf Club and their bat population, however funding for such vital work is not available to golf clubs under normal circumstances. This highlights the significance of the outreach fund and how without it most of the projects undertaken could not have been achieved.

Next Steps

Potential on-going project work includes:

- Monitoring of bat roosts and boxes – uptake rate and species of bat
- Annual cleaning, repair and monitoring of nest boxes, bat boxes and squirrel feeders as these are made of untreated wood they do not last indefinitely.
- Continuation of red squirrel and bird feed provision – once the feeders are in place they must be continually replenished with food
- All newly planted trees require long-term management
- All ponds and wetland areas require continuous management

Any potential further funding would be focused in these areas.

Some good projects will be made into **case studies** for promotion across Scotland via the SGU/SGEG websites which may inspire other clubs to undertake similar projects.

Some of the clubs have already signed up to **GEO OnCourse programme** and we will continue to support these clubs as they progress towards GEO Certified status.



We will also encourage all clubs to **extend the type of projects** they undertake in the future and address other sustainability areas such as water, energy, supply chain, pollution control and community.

Unfortunately not all clubs wanted to be involved in the Outreach project, and some that showed initial interest were unable to take projects forward for reasons such as staff resources/changes or other operational priorities. All of these clubs are aware of the sustainability support and resources available to them and we hope to engage with them as part of our **existing SGU environmental advisory service** in the future.

A full **funding breakdown** will be submitted when all the projects are completed, assessed and receipts received and funds transferred. Funds remaining from projects that came in below maximum amount awarded will be reallocated where possible to projects where the clubs spent more than was awarded.

Carolyn Hedley SGEG/SGU 06/03/15



Appendix 1 – Project Menu

Ryder Cup Outreach Fund

Project Menu

Funded by:



Delivered by:



Project Title	Project Description	Input required from Club	Project Benefits	Project Leader	Expected time period	Costing Breakdown	Max Funding/ project/club	Addition info (click on web links below)	Further Contacts
1 Bird and Bat Box Project	Bird and/or bat boxes around the club house and the golf course.	The club have to arrange a site visit with Project Leader Amanda or one of her volunteers so the course can be assessed for bat activity and suitable box sites can be identified. You can then purchase the boxes or material to build them, and erect the boxes following the advice given. Bird boxes can be purchased and erected by the club using the guidance provided in the free download available in the additional information column. The club and bat group should keep SGEI informed of developments and take photos of the projects progress. The club are then to provide all proof of purchase and expenses to SGEI in order to claim the funding allocated.	Increased population of birds and bats breeding in your area. Interesting features on the golf course, improved golfer understanding of their course wildlife and course management. Possible PR and further funding opportunities. The club will also be contributing to local and international biodiversity initiatives.	SGEI, Tayside Biodiversity Partnership and Tayside Bat Group	Made/bought at any time. Erected between Nov-mid Feb.	Volunteer expenses (travel/food). Materials for making box or purchase of pre-made box, erection time for staff, possible long term maintenance/monitoring by licensed bat expert (TBG) and possible club staff bat license training.	<£500	Further Conservation Management (SGEG 2013)	Birds contacts: SGEI Bat Contacts: Amanda Wilson, amanda_wilson@hotmail.co.uk or Sue Swift, sldunro@btinternet.com Reporting also to: DWilliams@pfa.ac.uk
2 Barn Owl Box Project	Erection of Barn Owl boxes around the course. This project is suitable for clubs which are within 3km of known Barn Owl locations. These are Blair Atholl, Comrie, Dunkeld & Binnam, Dunning, Glenisla, Keenmore, Kinross, Millathort, Strathmore and Taysmouth. Other clubs are welcome to apply but may not be suitable locations.	The club have to arrange a site visit with Project Leader Carol so the course can be assessed for barn owl activity and suitable box site(s) can be identified. The club will purchase the specialist owl boxes and a Licensed Barn Owl worker or member of the Tayside Barn Owl Interest Group will provide advisory talks to the clubs. The Barn Owl workers need to be allowed access to check the boxes each year for which expenses would be required and the fund will cover. The club and Carol should keep SGEI informed of developments and take photos of the projects progress. The club are then to provide all proof of purchase and expenses to SGEI in order to claim the funding allocated.	Increased population of Barn owl breeding in your area. Interesting features on the golf course, improved golfer understanding of their course wildlife and course management. Possible PR and further funding opportunities. The club will also be contributing to local and international biodiversity initiatives.	Tayside Barn Owl Interest Group	Made/bought at any time. Erected between Nov-mid Feb	Materials and making box, erection, maintenance, monitoring expenses by licensed expert and club staff training	<£700	Further Conservation Management (SGEG 2013) Tayside Biodiversity Barn Owl Project Barn Owl Trust	Tayside Barn Owl Interest Group, carol@btwoodlandcare.co.uk
3 Swift Conservation Project	Specialist swift nest boxes around the clubhouse and buildings - suitable for all clubs. A survey to check for existing sites would be needed at the same time.	The club should contact Project Leader Danielle to arrange a site visit to assess the course/building suitability. Danielle of Tayside Swifts Project can provide advice to clubs as to the most appropriate action. The club and Danielle should keep SGEI informed of developments and advice given as well as take photos of the projects progress. The club are then to provide all proof of purchase and expenses to SGEI in order to claim the funding allocated.	Increased population of Swift breeding in your area. Interesting features on the golf course, improved golfer understanding of their course wildlife and course management. Possible PR and further funding opportunities. The club will also be contributing to local and international biodiversity initiatives.	Tayside Swifts	Sept to May pre-surveys and putting nest boxes up. May - Aug with season talks/walks/surveys advice.	Materials, expert expenses	<£500	Swift Conservation (SGEG 2013) Tayside Biodiversity - Get Involved Protect Swifts Tayside Biodiversity Partnership - Swift survey	Danielle Muir, taysidewith@pfa.ac.uk
4 Red Squirrel Project	Visual and hair tube surveys (expert monitoring), feeding station construction, on-going monitoring and recording of sightings by club.	Club must allow access and escort the Project Leader Ken on his initial visit. Club to purchase/construct feeding station and provide feed. Club to monitor, record and report future squirrel sightings. The club and Ken should keep SGEI informed of developments and take photos of the projects progress or work to date. The club are then to provide all proof of purchase and expenses to SGEI in order to claim the funding allocated.	Increased population of Red Squirrel breeding and feeding in your area. Improved golfer understanding of their course wildlife and course management. Possible PR and further funding opportunities. The club will also be contributing to local and international biodiversity initiatives through getting involved in the conservation effort to save Scotland's Red Squirrel.	Scottish Wildlife Trust 'Saving Scotland's Red Squirrels'	Surveying (Oct and Mar). Feeding and monitoring all year round.	Expert expenses, feeding station materials, feed	<£750	Red Squirrel Management (SGEG 2009) Tayside Biodiversity Partnership, Squirrel Survey Form Tayside Biodiversity Partnership, Squirrel Project additional information	Ken Neil - SWT Saving Scotland's Red Squirrels, kenneil@swtscotland.com Reporting also to: DWilliams@pfa.ac.uk
5 BeeWild Project (Clubhouse)	Planting of nectar and pollen-rich plants around the clubhouse.	Club will purchase, plant and maintain plants from the recommended list. This and further information is contained in the SGEI downloads in additional information column. Club will also report to the Tayside Biodiversity Partnership (TBP)'s BeeWild Project (see 'Reporting Bumblebee Projects - In contacts column). Club will be provided with promotional materials by BeeWild to encourage golfer participation in monitoring and should host expert talks. The club should keep SGEI informed of developments and take photos of the projects progress. The club are then to provide all proof of purchase and expenses to SGEI in order to claim the funding allocated.	Increased population of pollinating insects in your area. Interesting features around the clubhouse, improved golfer understanding of their course wildlife. Possible PR and further funding opportunities. The club will also be contributing to local and international biodiversity initiatives.	SGEI/Club / Tayside Biodiversity Partnership	Anytime	Planting materials and containers	<£250	Attracting Wildlife to your Clubhouse (SGEG 2013) Butterfly Habitat Creation (SGEG 2013) Butterfly Conservation Scotland, Identification	Reporting: Bumblebee Projects Reporting also to: DWilliams@pfa.ac.uk

Project Title	Project Description	Input required from Club	Project Benefits	Project Leader	Expected time period	Costing Breakdown	Max Funding	Additional info	Further Contacts
6 BeeWild Project (Grasslands)	Creating wildflower meadows on the golf course either as additions to the course or as replacement for some areas of rough.	Club must provide a course plan, labour, hire machinery, local provenance wildflower seeds and plant plugs. Club should monitor and report success and species observed to Tayside Biodiversity Partnership (TBP) BeeWild Project (see, Reporting Bumblebee Project, in contacts). The club will be provided with promotional materials from TBP to encourage golfer participation in monitoring and should host expert talks. The club should keep SGEG informed of developments and take photos of the projects progress. The club are then to provide all proof of purchase and expenses to SGEG in order to claim the funding allocated. Information on 'how to' is also available in the downloads in additional information.	Increased population of pollinating insects in your area. Interesting features around the golf course, improved golfer understanding of their course wildlife. Possible PR and further funding opportunities. The club will also be contributing to local and international biodiversity initiatives.	SGEG/Club / Tayside Biodiversity Partnership	Early Spring and late Sep	Machinery hire, seeds, plugs, labour	<€2000	Grassland Management (SGEG, 2013) Butterfly Conservation Scotland, Identification	Reporting Bumblebee Projects
7 Sand Martin Wall Project	Construction of a sand martin wall.	Club to follow guidance in additional information downloads to locate and build your own swift wall. The club should keep SGEG informed of developments and take photos of the projects progress. The club are then to provide all proof of purchase and expenses to SGEG in order to claim the funding allocated.	Reduced loss of bunker sand to Sand martins and added interest to the course. Involves staff and golfers in its construction. Possible PR and further funding opportunities. The club will also be contributing to local and international biodiversity initiatives.	Club / SGEG	Anytime	Materials and Labour	<€500	Further Conservation Management (SGEG 2013) Tayside Biodiversity Partnership, Sand martin survey Best Practice Guidelines: Artificial bank creation Sand Martin Trust	SGEG
8 Wildlife Trees Project	Planting of trees and shrubs for biodiversity benefit.	Club to produce plans of planting locations with appropriate species mix (including native, red squirrel and badger friendly and fruit trees) if possible. Lynn will conduct a site visit to clarify and offer planting advice. Further advice is available in the downloads linked in additional information. Club to provide labour to plant and maintain trees and shrubs. The club should keep SGEG informed of developments and take photos of the projects progress. The club are then to provide all proof of purchase and expenses to SGEG in order to claim the funding allocated.	Increased population of birds, red squirrel, and various invertebrates in your area. Interesting features around the clubhouse and golf course, improved golfer understanding of their course wildlife. Possible PR and further funding opportunities. The club will also be contributing to local and international biodiversity initiatives.	Club/Tayside Biodiversity Partnership/SGEG	Oct - Mar	Trees, shrubs, materials, labour	<€2000	Tree Planting Guide (SGEG 2009) Tree and Shrub Species Guide (SGEG 2013) Red Squirrel Management (SGEG, 2008) Orchards project Tayside Canifer Plantation Management (SGEG 2013) Hedge Management (SGEG 2013) Attracting Wildlife to your clubhouse (SGEG 2013) Planting to support Badgers (SGEG, 2013)	SGEG
9 Pond Creation / Enhancement Project	Creation of new ponds or enhancement of existing ponds for biodiversity.	Club will provide location plans, pond design, planting lists and costings. Lynn will conduct a site visit to provide advice and further information is available in the free downloads linked in additional information. Club will also be required to take part in the Grantplan & Tayside 'Pooling our Ponds Survey', (30 minute survey x 4 times a year - each season) The club should keep SGEG informed of developments and take photos of the projects progress. The club are then to provide all proof of purchase and expenses to SGEG in order to claim the funding allocated.	In addition to creating a new course sustainable drainage feature, the project will increase the population of amphibians (Common Toad, Common Frog, Newt spp), as well as pond invertebrates and pollinating insects. Improved golfer understanding of their course wildlife. Possible PR and further funding opportunities. The club will also be contributing to local and international biodiversity initiatives.	Club/ SGEG / Tayside Biodiversity Partnership	Nov - Feb and complete survey 4 x year (once a season)	Design costs, materials, machinery, and labour	<€2000	Pond Design and Planting (SGEG 2013) Pond and Wetland Management (SGEG 2013) Tayside Biodiversity Partnership: Pond Conservation	Tayside Biodiversity Partnership (Tayside Pooling our Ponds Project) taysideamphibians@yahoo.co.uk (Can provide free ID pack and pond surveying equipment) Recording also for: DWilliams@nks.gov.uk
10 Heath and Heather Project	Heather and heathland management, expansion of heathland areas.	Lynn will provide a site visit to offer advice on best technique and options for heather management and expansion. Further information is available in the linked download in additional information. Club will purchase plants and materials, and provide machinery and labour. The club should keep SGEG informed of developments and take photos of the projects progress. The club are then to provide all proof of purchase and expenses to SGEG in order to claim the funding allocated.	Heather will be in a better condition, less prone to Heather beetle and there will be a greater mosaic of habitats on the course. Improved golfer understanding of their course wildlife. Possible PR and further funding opportunities. The club will also be contributing to local and international biodiversity initiatives.	Club / SGEG	Management Nov - Feb, heathland expansion Spring	Plants, materials, machinery and labour	<€2000	Heather Management (SGEG 2013)	SGEG