

Climate Change Action Plan - Nature Based Solutions

| NO | Action | Time Frame | Lead Department(s) | Indicators |
|-----------------------------|---|--------------|---|---|
| OPERATIONS | | | | |
| 1 | Establish regional working group on nature-based solutions | 2019 onwards | Culture, Recreation and Economic Services, Flood Mgt Division | Working group established |
| 2 | Agree joint action plans to protect native habitats and species across all 4 DLAs | 2019 | Culture, Recreation and Economic Services | Action plans agreed |
| 3 | Establish a cross-departmental Trees and SuDS Working Group to promote and pilot water sensitive urban design incorporating urban tree planting | 2019 onwards | Culture, Recreation and Economic Services | Working group established |
| 4 | Workshop on Trees and SUDS | 2019 | Culture, Recreation and Economic Services, WFD | Workshops held, report of outcomes |
| 5 | Produce regional river basin management guidelines. Use Santry River as demonstration | Ongoing | WFD | Guidelines produced |
| 6 | Facilitate an annual workshop for information exchange between biodiversity experts | 2019 onwards | Culture, Recreation and Economic Services | Workshop organised |
| 7 | Collect data to inform the preparation of a list of habitats and species in Dublin City vulnerable to climate change. Devise measures for reducing risks to these habitats and species locally and implement and evaluate their effectiveness | ongoing | Culture, Recreation and Economic Services | Data compiled Annual Review |
| GREEN INFRASTRUCTURE | | | | |
| 8 | Develop Green Infrastructure Strategy for the City | 2021 | Culture, Recreation and Economic Services | Strategy completed |
| 9 | Implement Public Open Space and Parks Strategy | Ongoing | Culture, Recreation and Economic Services | Strategy completed |
| 10 | Map access to green space in City to identify areas of need | Ongoing | Culture, Recreation and Economic Services | Spaces mapped, areas identified |
| 11 | Continued support of development of the Greenways concept for: Dublin Bay, Dodder, Santry, Liffey, Tolka and Camac. | Ongoing | Culture, Recreation and Economic Services, Transport | Greenway completed, any habitats remediated |
| 12 | Assess the feasibility potential of green walls | 2019 | Culture, Recreation and Economic Services | Report complete |

| TREE MANAGEMENT | | | | |
|---------------------|--|--------------|--|--|
| 13 | Implement <i>Dublin City Tree Strategy</i> | Ongoing | Culture, Recreation and Economic Services | Completion of guide |
| 14 | Continue to map and collect data on trees in Dublin City | Ongoing | Culture, Recreation and Economic Services | Data mapped and collected |
| 15 | Promote and expand Native Tree Trails programme | Ongoing | Culture, Recreation and Economic Services | # of tree trails |
| 16 | Produce guidance on species of public trees for urban planting in accordance with Action 3.1 of the <i>Dublin City Tree Strategy</i> | 2019 | Culture, Recreation and Economic Services | Guide produced |
| 17 | Tree-planting activities with schools including annual National Tree Week and National Tree Day | ongoing | Culture, Recreation and Economic Services | # of trees planted |
| 18 | Investigate the use of the DAFM NeighbourWood Planting scheme for use in suitable urban area as part of the DCC Tree Strategy | 2019 | Culture, Recreation and Economic Services | Report complete |
| NATURE CONSERVATION | | | | |
| 19 | Implement <i>Dublin City Council Invasive Alien Species Action Plan</i> | 2020 | Culture, Recreation and Economic Services | Plan completed and reviewed, any eradications achieved |
| 20 | Promote international World Wetlands Day, and World Water Day | annually | Culture, Recreation and Economic Services, WFD | Event organised |
| 21 | Provide data to RAMSAR Committee for Ireland on wetlands in Dublin City | Ongoing | Culture, Recreation and Economic Services | Data submitted |
| 22 | Prepare and publish <i>Flora of Bull Island</i> | 2020 | Culture, Recreation and Economic Services, Dublin Naturalists Field Club | Book published |
| 23 | Conduct a common cord-grass management study and monitoring for North Bull Island SPA | 2019 2023 | Culture, Recreation and Economic Services, FCC, NPWS | Study conducted |

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| 24 | Prepare a GIS-based ecological sensitivity map of Dublin Bay Biosphere | 2020 | Culture, Recreation and Economic Services, | Map complete |
| 25 | Participate in the INTERREG-funded Acclimatize research project | 2021 | Culture, Recreation and Economic Services, Pollution Control | Project complete |
| 26 | Conduct light-bellied brent goose roost survey | 2021 | Culture, Recreation and Economic Services, | Survey complete |
| 27 | Implement the North Bull Island Management Plan | Ongoing | Culture, Recreation and Economic Services, | Plan implemented |
| NATURE-BASED SOLUTIONS - ACTIONS | | | | |
| 28 | Pilot projects for green roofs on civic buildings and green walls | 2020 | Multi-departmental | # of pilots |
| 29 | Develop demonstration sites to showcase nature-based solutions with existing land uses | 2020 2024 | Culture, Recreation and Economic Services | # of sites developed # existing green roofs |
| 30 | Implement the North East Inner City and Liberties Greening Strategy | Ongoing | Culture, Recreation and Economic Services, Flood Mgt Division | Strategy implemented |
| 31 | Develop urban woodland strategy as part of DCC Tree Strategy | 2020 | Culture, Recreation and Economic Services | Strategy developed |
| 32 | Incorporate tree and shrub planting in all new Council housing developments | 2019 | Housing, City Architects | # of trees per new dwelling, # of shrubs per new dwelling |
| 33 | Assess feasibility of additional green space for local food production including community gardens and urban orchards. | 2020 | Culture, Recreation and Economic Services, Planning and Property Development | Feasibility report |
| 34 | Produce A Guide to Sustainable Living in Dublin City | 2018 onwards | Dublin CARO | Guide produced and available in libraries |
| 35 | Identify sites suitable for community gardens for local food production | Ongoing | Multi-departmental, Dublin Community Growers Association | # of sites identified |
| 36 | Assessment of causes and impacts of Ectocarpus brown algal growth in Dublin Bay | 2023 | Multi-departmental, WFD, Pollution Control | Assessment complete and actions developed Develop Sustainable Programme of Mgt |
| 37 | Prepare a preliminary list of species and habitats vulnerable to climate change for informing environmental impact assessments | 2024 | Culture, Recreation and Economic Services | List prepared |

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| 38 | Prepare an analysis of soil sealing in Dublin City to determine levels of permeability | 2021 | Multi-departmental Culture, Recreation and Economic Service | Analysis done |
| 39 | Engage with business community to develop sustainable business initiatives for Dublin Bay UNESCO Biosphere Business Strategy. | | | |
| 40 | Gather and Monitor Results. DCC monitors bee populations in public parks in association with third-level institutions, and DCC will continue as a partner in the Pollinator Plan for the duration of the Climate Change Action Plan and monitor results over time. | | | Annual report on bee population |
| 41 | To analyse climate change impacts on City's trees to inform management. | | | |

| Responsibility | Q1 Outcomes |
|------------------------------------|----------------------------|
| Les Moore and Gerry O'Connell | |
| Maryann Harris | |
| Neil Higgins and Maryann Harris | |
| Maryann Harris and Gerry O'Connell | |
| Gerry O'Connell | Tender Docs being compiled |
| Maryann Harris | |
| Maryann Harris | |
| Maryann Harris | |
| Les Moore | |
| Les Moore and Dublin CARO | |
| Les Moore and Chris K Manzira | |
| Ciarán O'Neill | |

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| Les Moore | End of year of report to be provided |
| Les Moore | |
| Les Moore | end of year report |
| Les Moore | end of year report |
| Les Moore | |
| Les Moore | |
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| Maryann Harris | |
| Sinéad Hurson and Maryann Harris | Stands established in Civics, Articles in Publications |
| Maryann Harris | |
| Maryann Harris | |
| Maryann Harris | not started yet |

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| Dublin CARO | |
| Pat O'Halloran | not started yet |
| Maryann Harris and Les Moore | Being completed by University of Exeter |
| Les Moore | Ongoing, year end report- published an action plan setting u |
| AWAITING BUDGET | |
| City Architechts | ongoing |
| Maryann Harris | |
| Les Moore and Gerry O'Connell | |
| Les Moore | |
| Housing Dept | |
| Planning Dept | Ongoing research into the potential for increased number of allotments |
| David Dodd | Ongoing |
| Waste Mgt/Planning | |
| Pat O'Halloran and Maryann Harris | |
| Maryann Harris | |

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| Maryann Harris | |
| | not started |
| Les Moore | |
| Maryann Harris | |
| Les Moore | |

Q2 Outcomes

Out to tender

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| End of year of report to be provided |
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| end of year report |
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| end of year report |
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| Preparing for 2021 |
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| not started yet |

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| not started yet |
| Being completed by University of Exeter |
| Ongoing, year end report- published an action plan setti |
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| ongoing |
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| Ongoing research into the potential for increased number of allotments |
| Ongoing |
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| not started |
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Q3 Outcomes

Group has been set up

****This action is to be removed as it is coordinated at the national level through NPWS**

Consultants have been appointed for this work. This action is also being merged with action 4, as action 4 will be an outcome of this work

Consultants have been appointed for this work. This action is also being merged with action 4, as action 4 will be an outcome of this work

To check with Gerry O'Connell and move this action to flood resilience

Virtual engagement and one-to-ones planned for towards end of year due to COVID. ****This as part of biodiversity plan review**

Remove - Responsibility for this lies with NPWS and identification of vulnerable sites should be in the sectoral adaptation plan, as such DCC should respond to this based on advice from NPWS and collaborate accordingly.

Regional group will be looking at best practice that will inform this; Development Plan team are incorporating into development Plan

Bridgefoot street park is under construction; Deficit of green space huge Capital programme; Extra play grounds in areas where their; end of the year report coming in Q4 for this, as work is on going throughout the year.

Done - Result of this work are the greening strategies for Liberties, Stoneybatter, NEIC

**** See transport**

Currently identifying a location for feasibility

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| End of year of report to be provided |
| Merge with 13 as is an out come of guide |
| end of year report |
| end of year report |
| Activities completed for 2020 and will be detailed in end of year report; Currently determining the format for 2021 in light of COVID |
| Remove this action as we do not have space in the city for this. **Sabrina to speak with DAFM about alternative programmes |
| |
| End of year report |
| Activities completed for 2020 and will be detailed in end of year report; Currently determining the format for 2021 in light of COVID |
| Remove - Not an action as it is sharing information. |
| Ongoing working with Dublin Naturalist field club |
| not started yet |

Ask Dave about this - links to 7 and as per comment in 7 would be related to National Biodiversity Adaptation Plan

not started yet

Being completed by University of Exeter

Ongoing, year end report- published an action plan setting up an oversight forum with community groups

NATURE-BASED SOLUTIONS - ACTIONS AWAITING BUDGET

Ongoing, currently identifying suitable site - specifically a DCC owned building (Civics, Firehall, local area office, or leisure centre); a

Remove, repetitive and is being changed to the indicator for the working group as the action will result from the regional working groups' work

Ongoing

Remove - Repeat of Action 18, which is not achievable in the Dublin context

A partnership with the Housing Agency is being explored to implement this. At present, we are identifying suitable DCC owned Social Housing for the project.

Ongoing research into the potential for increased number of allotments

Ongoing

Merging with Action 33 as the same

Action to be removed as this is a seasonal occurrence

Combine with 7 and the other

not started

This part of the Biodiversity plan, do not have the resources to do this

This part of the Biodiversity plan, do not have the resources to do this

This part of the Biodiversity plan, do not have the resources to do this

