**A black background with a black square

Description automatically generated with medium confidence**

**Project Design Document (PDD):   
[insert project name]**

**Template for Icelandic carbon projects (or groups of projects)   
seeking validation to the Forest Carbon Code**

**Version 1.0**

**November 2023**

|  |  |
| --- | --- |
| **PDD Completed By:** |  |
| Project or Group Manager | [insert name of project/group manager] |
| Name of submitting organisation | [insert organisation name] |
| PDD assistance by: | [insert author’s name] |
| Completed & submitted to validation body on: | [insert dd/mm/yyyy] |
| Email contact: | [insert email address] |
| Carbon Registry project ID | [insert ID] |
| **If a group, provide group details:** |  |
| Group Name: | [insert name] |
| Carbon Registry group number ID | [insert ID] |

**For the project or each project in the group please give the ID, location, grid reference and size:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Project Name & Year** | **Carbon Registry Project ID** | **Location: Name of farm** | **Land ID** | **Municipality** | **Gross Area (ha)** | **Net Area (ha)** |
|  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |
| **Total area:** | | | | |  |  |

Note:

1. This document refers to sections in the Forest Carbon Code [online standard and guidance](https://www.skogarkolefni.is/en/standard-guidance). Boxes for text can be expanded if not large enough.
2. The PDD document relies on information provided by the Management Plan, including information collected during and after the establishment phase, specifying the actual planted area, seedling numbers and tree species composition and the site indices.
3. The carbon capture predictions obtained in a Final Forecast document and included in the PDD should also be based on the  [Forest Carbon Calculator](https://reiknivel.skogur.is/) (Skógarkolefnisreiknir) on the Land and Forest Iceland website. For further information please contact [skogarkolefni@skogur.is](mailto:skogarkolefni@skogur.is).
4. This PDD can be used for a single project or a group of projects.

* If a single project, just use the first row of each table for your project.
* If a group, some questions or statements in this document need to be answered for each project in the group as indicated. Additional rows can be added to tables as necessary if more than 5 projects are in a group. Some questions or statements can be answered for the group where indicated.

1. The Project Design Document, map(s) of the site(s) and FCC Carbon calculation table(s) will be made available in the [International Carbon Registry](https://www.carbonregistry.com/) once you are validated.
2. At the end of each section, a table allows you to indicate which Additional Evidence you will make available to the validation body. Please provide the name of the document/other reference for the document you intend to submit.
3. The Project/Group Manager should keep a copy of the PDD, carbon calculator, map and all additional evidence for the duration of the project.

**For info: Updates to PDD template: Summary – Completed by Land and Forest Iceland**

|  |  |  |  |
| --- | --- | --- | --- |
| **Version No** | **Date** | **Amendment** | **Author** |
| 1.0 |  | English format for FCC | ÚÓ |
|  |  |  |  |
|  |  |  |  |

**Contents**

Disclaimer 4

Project Descriptions – To appear in the International Carbon Registry 5

1. Eligibility 5

1.1 Key project dates View online guidance 5

1.2 Eligible activities View online guidance 6

1.3 Eligible land View online guidance 7

1.4 Compliance with the law View online guidance 8

1.5 Conformance to the with LOGS regulations View online guidance 9

1.6 Additionality View online guidance 9

2. Project governance 11

2.1 Commitment of landowners and project/group managers View online guidance 11

2.2 Management plan View online guidance 13

2.3 Management of risks and permanence View online guidance 16

2.4 Consultation View online guidance 17

2.5 Monitoring View online guidance 18

2.6 Registry and avoidance of double counting View online guidance 19

2.7 Carbon statements and reporting View online guidance 19

3. Carbon sequestration 21

3.1 Carbon baseline View online guidance 21

3.2 Carbon leakage View online guidance 22

3.3 Project carbon sequestration View online guidance 23

3.4 Net carbon sequestration View online guidance 24

4. Environmental quality View online guidance 25

5. Social responsibility View online guidance 29

# Disclaimer

The Project Design Document provides a detailed description of the project in advance of project validation. The PDD relies on information from different sources, primarily from the project Management Plan, submitted records of plant purchases and planting, the carbon Final Forecast document and additional information provided by the project owner and project manager.

**Risks**

The PDD relies on a risk assessment analysis, based on field observations, analysis of geographic information, experience, and data from nearby areas as reported in Management Plan. Nonetheless, unexpected hazards could arise for the project duration, and the forest could respond differently than expected to various previously predicted circumstances. Adverse scenarios would increase costs and reduce income.

**Cost and income**

Although the author(s) of the PDD rely on renewed analysis of project finances, it is known that unexpected additional costs can affect the project outcome. This also applies to the estimated forest value additions, the estimated carbon income, environmental topics, and social benefits.

**Verifications**

This PDD remains as a project reference document at validation. All information required prior to the following verifications will appear on every occasion in a Project Progress Report and a Monitoring Report.

**Compliance with the law**

It is necessary that all parties involved in the project comply with the law and work according to the licenses granted. This includes, but is not limited to, environmental laws and regulations, land use policies, and labor laws, including contractor chain of custody provisions.

**Limitation of liability**

The author(s) of this PDD disclaim all responsibility for losses or negative impacts brought about by the information presented in this document. Users are encouraged to seek explanations and request further information if anything is unclear and if errors are found.

**Continuous improvement**

Environmental project management is a continuous process that requires monitoring, evaluation, and improvement. Stakeholders are encouraged to actively participate in discussions, share information on best practices, and work with relevant stakeholders to improve the project according to its goals.

**Mutual trust and acceptance**

By accepting this PDD and using its information, stakeholders recognize and accept the limitations, uncertainties and responsibilities associated with this project.

# Project Descriptions – To appear in the International Carbon Registry

Please provide a brief summary of your project(s) and for groups, a summary description at the group level. Include aims & objectives, location, type of forest & management. This description will be displayed in the public In the [International Carbon Registry](https://www.carbonregistry.com/).

|  |  |
| --- | --- |
| **Project Name** | **Description** |
| **Group Summary** |  |
| Project 1 |  |
| Project 2 |  |
|  |  |
|  |  |
|  |  |

**All statements made in this document are correct to the best of my knowledge. *I agree/I disagree [Delete as applicable]***

# 1. Eligibility

## 1.1 Key project dates [View online guidance](https://www.skogarkolefni.is/en/standard-guidance/eligibility/key-project-dates)

**1.1.1 Please indicate for your project(s) the implementation date (date work begins onsite), the project start date (the date planting was or will be finished), and the project duration. For groups, add a group start date.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Project Name** | **Project Implementation Date**  **(Date work begins onsite)**  **dd-mm-yyyy** | **Other planting year(s)** | **Project Start Date**  **(Date planting finished)**  **dd-mm-yyyy** | **Project Duration**  **(up to 50 years)** |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| **Group Start date (if > 1 project, latest planting date of group dd-mm-yyyy): ** | | |  |  |

**You shall provide the following additional evidence for each project to confirm start date:**

|  |  |  |
| --- | --- | --- |
| **To confirm key dates** | Select one or specify other evidence | Evidence provided/document reference for each project |
| Project finances | Yes/No |  |
| Seedling delivery documentation | Yes/No |  |
| Audit documentation | Yes/No |  |
| Other evidence | Yes/No |  |

## 1.2 Eligible activities [View online guidance](https://www.skogarkolefni.is/en/standard-guidance/eligibility/eligible-activities)

**1.2.1 To the best of my knowledge the land to be planted in these project(s) has not been wooded in the last 25 years. *I agree/I disagree [Delete as applicable]***

**You shall provide the following additional evidence for each project to show the land has not been wooded for 25 years:**

|  |  |  |
| --- | --- | --- |
|  | Select at least one for each project | Evidence provided/document reference for each project |
| Land use records | Yes/No |  |
| Historical Maps | Yes/No |  |
| Images older than 25 yrs. (satellite/aerial photo­graphy) | Yes/No |  |
| New images (satellite/aerial photo­graphy) | Yes/No |  |
| LOGS planting and felling database | Yes/No |  |
| Signed attestation from independent expert | Yes/No |  |

**1.2.2 All the project(s) are planted on mineral soils and/or drained mires. If drained mires are used, these were initially drained more than 25 years ago. *I agree/I disagree [Delete as applicable*]**

**You shall provide the following additional evidence for each project to show the soil type and, where appropriate, the distribution of drained and intact wetland soils:**

|  |  |  |
| --- | --- | --- |
|  | Select at least one or specify other evidence | Evidence provided/document reference for each project |
| Soil (type) survey | Yes/No |  |
| Intact wetland survey | Yes/No |  |
| Drained wetland survey | Yes/No |  |
| Vegetation survey | Yes/No |  |
| Images older than 25 yrs. (satellite/aerial photo­graphy) | Yes/No |  |
| Soil maps | Yes/No |  |
| Other evidence | Yes/No |  |

## 1.3 Eligible land [View online guidance](https://www.skogarkolefni.is/en/standard-guidance/eligibility/eligible-land)

**1.3.1 Does the property have any encumbrances? *Yes/No [Delete as applicable]***

**1.3.2 If yes, specify:**

|  |  |  |
| --- | --- | --- |
| **Attachment no** | **Land Registry ID Number** | **Encumbrances/document reference** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

**1.3.3 Please identify the landowner, tenant and any agent of each project by com­pleting a separate ‘Landowner, Tenant and Agent Contact Details’ sheet(s). *Attachment 1.3.3***

**In addition to the Contact Details sheets, you shall provide the following additional evidence for each project to confirm the owner and, if the land is leased, the owner’s consent:**

|  |  |  |
| --- | --- | --- |
| **To confirm owner:** | Select at least one or specify what other evidence | Evidence provided/document reference for each project |
| Solicitor’s letter | Yes/No |  |
| Title deeds | Yes/No |  |
| Land registry records | Yes/No |  |
| **To confirm owner’s consent if leased:** | Select box if leased or specify what other evidence | Evidence provided/document reference for each project |
| Certified copy of lease | Yes/No |  |
| **To confirm contact details of owner, agent or tenant:** | Select one or specify other evidence | Evidence provided/document reference for each project |
| Landowner, tenant and agent contact details sheet | Yes/No |  |

## 1.4 Compliance with the law [View online guidance](https://www.skogarkolefni.is/en/standard-guidance/eligibility/compliance-with-the-law)

**1.4.1 As far as you are aware, does your project(s) comply with all existing forestry legislation in Iceland at the time of completing this document? *Yes/No [Delete as applicable]***

**1.4.2 As far as you are aware, are there any current, past (within the last 5 years) or pending prosecutions relating to the project(s)? *Yes/No [Delete as applicable]***

**1.4.3 As far as you are aware, are there any injunctions or notices relating to the project(s) issued by Icelandic ministries and agencies, or issued under the Municipality and National Planning Regulations? *Yes/No [Delete as applicable]***

**1.4.4 What systems or procedures are in place for the landowner/manager of each project to be aware of and ensure compliance with existing and new legislation?**

## 1.5 Conformance to the with LOGS regulations [View online guidance](https://www.skogarkolefni.is/is/krofur-og-leidsogn/hverjir-koma-til-greina/verkefni-samraemist-opinberri-skograektarstefnu)

**1.5.1 As far as you are aware, is your project(s) designed and managed in accordance** **with Icelandic Forestry goals and regulations (Land and Forest Iceland)? *Yes/No [Delete as applicable]***

## 1.6 Additionality [View online guidance](https://www.skogarkolefni.is/en/standard-guidance/eligibility/additionality)

You must pass the Legal Test and Investment Test. You are required to complete the FCC Cashflow to confirm whether the Investment Test is passed.

**1.6.1 Legal Test**

**1.6.1.1 Is there a legal requirement for the afforestation project(s)? *Yes/No [Delete as applicable]***

**1.6.1.2 Does any project compensate for forest lost elsewhere? *Yes/No [Delete as applicable]***

**1.6.2 Investment Test**

**1.6.2.1 In the table below, clarify how carbon finance changes the Net Present Value (NPV) of each project over the duration of each project.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Project name**  **/Attachment no** | **Investment Test: Change to Net Present Value (NPV) due to carbon finance** | | |
| **NPV Forest including carbon** | **NPV Forest excluding carbon** | **NPV Alternative Land use/Business as Usual** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**1.6.2.2 Please state in a sentence or two why you believe your project(s) would not have occurred without existing or future income from the sale of carbon units (if selling) or the ability to generate and use carbon units (if not selling).**

|  |  |
| --- | --- |
| **Project Name**  **/Attachment no** | **Statement on financial additionality** |
|  |  |
|  |  |
|  |  |
|  |  |

**You shall provide the following additional evidence for each project to support your additionality case:**

|  |  |  |
| --- | --- | --- |
|  | Confirm FCC cashflow and other evidence | Evidence provided/document reference for each project |
| Investment Test: FCC Cashflow Spreadsheet | Yes/No |  |
| Further supporting evidence of work undertaken as required | Yes/No |  |

**1.6.3 Mix of project income:**

**Please specify below the discounted project income as a % of costs, and the discounted % contribution of each income stream to the project (Copy from the FCC Cashflow Sheet).**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | *% of discounted Income from:* | | | | |  |
| **Project Name**  **/Attachment no** | **Discounted Income as proportion Costs (%)** | **Carbon** | **Grant** | **Timber** | **Donations** | **Other** | **Total** |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

# 2. Project governance

## 2.1 Commitment of landowners and project/group managers [View online guidance](https://www.skogarkolefni.is/is/krofur-og-leidsogn/stjorn-verkefna/skuldbindingar-landeigenda-og-verkefnastjora)

**2.1.1 Is there a contract with or statement from the land owner(s), or where land is tenanted, both the landowner and tenant, which confirms their commitment to:**

* **Conform to this standard**
* **Permanent land-use change**
* **Manage land as per the current Management Plan for the establishment period and as per longer-term management intentions for the project duration and beyond (**[**2.3**](https://www.skogarkolefni.is/en/standard-guidance/project-governance/risks-and-permanence)**)**
* **Comply with the law (**[**1.4**](https://www.skogarkolefni.is/en/standard-guidance/eligibility/compliance-with-the-law)**) and conform with the Icelandic Forestry goals and regulations (**[**1.5**](https://www.skogarkolefni.is/en/standard-guidance/eligibility/conformance-with-icelandic-forestry-policy)**)**
* **Restock where projects involve harvesting (**[**2.3**](https://www.skogarkolefni.is/en/standard-guidance/project-governance/risks-and-permanence)**)**
* **Replant or undertake compensatory planting should forest be lost to wind, fire, pests, disease or development (**[**2.3**](https://www.skogarkolefni.is/en/standard-guidance/project-governance/risks-and-permanence)**)**
* **Inform future landowner(s), and where tenanted, future tenant(s), of the commitment to the Forestry Carbon Code and any carbon contracts (**[**2.3**](https://www.skogarkolefni.is/en/standard-guidance/project-governance/risks-and-permanence)**)**
* **Monitor and maintain verification for the project duration as per FCC guidance (unless the 3rd-party project developer agrees to take this on (**[**2.5**](https://www.skogarkolefni.is/en/standard-guidance/project-governance/monitoring)**))**
* **Notify the FCC Secretariat immediately (**[**skogarkolefni@skogur.is**](mailto:skogarkolefni@skogur.is)**) and submit a Loss Report within six months of discovery if there is a loss of forest carbon (**[**2.3**](https://www.skogarkolefni.is/en/standard-guidance/project-governance/risks-and-permanence)**)**
* **Ensure the project, any PIU listings, sales to carbon buyers, and retirement for use of verified Forestry Carbon Units are accurately represented and up to date in the International Carbon Registry (either in their own account or via the project/group manager’s account (**[**2.6**](https://www.skogarkolefni.is/en/standard-guidance/project-governance/double-counting)**))**
* **Make true and accurate carbon statements about the project which conform with guidance (**[**2.7**](https://www.skogarkolefni.is/en/standard-guidance/project-governance/carbon-statements-and-reporting)**)**
* **Abide by the FCC logo rules of use (**[**see website**](https://www.skogarkolefni.is/is/fyrirtaekid/reglur-um-notkun-a-merki-skogarkolefnis)**)**

***Yes/No [Delete as applicable]***

**You shall provide the following additional evidence to confirm the commitment of each landowner and tenant:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Landowner and Tenant Commitment** | Choose at least one | Attachment no | Evidence provided/document reference for each project |
| Contract with landowner contains terms set out above | Yes/No |  |  |
| Signed statement from landowner contains terms set out above | Yes/No |  |  |
| Signed statement from tenant contains terms set out above | Yes/No |  |  |

**2.1.2 Do you, as the project developer/group manager commit to (signed statement ):**

* **Conform to this standard**
* **Comply with the law (**[**1.4**](https://www.skogarkolefni.is/en/standard-guidance/eligibility/compliance-with-the-law)**) and conform with the Icelandic Forestry goals and regulations (**[**1.5**](https://www.skogarkolefni.is/en/standard-guidance/eligibility/conformance-with-icelandic-forestry-policy)**)**
* **Monitor and maintain verification for the project duration as per FCC guidance (unless the landowner has agreed to take this on (**[**2.5**](https://www.skogarkolefni.is/en/standard-guidance/project-governance/monitoring)**))**
* **Ensure the project, any PIU listings, sales to carbon buyers, retirement for use of verified Forest Carbon Units is accurately represented and up to date in the International Carbon Registry (**[**2.6**](https://www.skogarkolefni.is/en/standard-guidance/project-governance/double-counting)**)**
* **Make true and accurate carbon statements about the project which comply with guidance (**[**2.7**](https://www.skogarkolefni.is/en/standard-guidance/project-governance/carbon-statements-and-reporting)**)**
* **Make carbon buyers aware of the FCC guidance on carbon claims and include in contracts with buyers (**[**2.7**](https://www.skogarkolefni.is/en/standard-guidance/project-governance/carbon-statements-and-reporting)**)**
* **Abide by the FCC logo rules of use and make carbon buyers and landowners aware of the FCC logo rules of use (**[**see website**](https://www.skogarkolefni.is/en/about-1/skogarkolefni-logo-rules)**)**

***Yes/No [Delete as applicable]*** FSK2.1.2.1 Undirrituð yfirlýsing frá verkefnastjóra sem inniheldur skilmálana sem koma fram hér að ofan

***2.1.3 If a group*, do you have a signed Group Agreement which meets the requirements as specified in the FCC guidance? *Yes/No [Delete as applicable]***

*If a group*, please confirm the group structure.

**If a group, you shall provide the following additional evidence to confirm the structure and processes of the group:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Group Agreement** |  | Attachment no | Evidence provided/document reference for each project |
| Group Agreement which meets the requirements as set out in FCC group scheme guidance | Yes/No |  |  |
|  | Specify what |  | Evidence provided/document reference for each project |
| Other evidence |  |  |  |

**NOTE: The Group Agreement could also contain the landowner/project developer terms set out above.**

## 2.2 Management plan [View online guidance](https://www.skogarkolefni.is/en/standard-guidance/project-governance)

**2.2.1 Is there an existing afforestation contract for your project(s)? *Yes/No [Delete as applicable]***

|  |  |  |
| --- | --- | --- |
| **Project Name**  **/Attachment no** | **Afforestation project name** | **Afforestation contract ID** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

**2.2.2 Does your project(s) have a management plan for the afforestation establishment phase? *Yes/No [Delete as applicable]***

**2.2.3 Please state (i) where the intended management over the establishment period (up to 10 years) is detailed and (ii) the longer-term management intentions of each project (including the forest management regime to be applied – e.g. no intervention, thinning only, regular clearfell (with rotation length), CCF (and type)) for the duration of each project and beyond.** *Note the longer-term management intentions noted here should match the management options selected in your carbon calculation:*

|  |  |  |
| --- | --- | --- |
| **Project Name**  **/Attachment no** | **(i) Where are management intentions over establishment period set out?** | **(ii) Longer-term management intentions for the project duration and beyond** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

**You shall provide the following additional evidence for each project to confirm location and management plans during the establishment phase:**

|  |  |  |  |
| --- | --- | --- | --- |
| **To confirm management during establishment phase** | Choose at least one | Attachment no | Evidence provided/document reference for each project |
| Management planning documentation | Yes/No |  |  |
| Afforestation grant contract | Yes/No |  |  |
| FCC Cashflow Spreadsheet | Yes/No |  |  |
| **To confirm location/planting plan** |  |  |  |
| Planting map which meets [FCC mapping rules](https://www.skogarkolefni.is/en/standard-guidance/project-governance/afforestation-plan#management-plan-more-details) | All projects: Yes/No |  |  |
|  | Specify what |  |  |
| Other evidence |  |  |  |

**Note: Your project(s) will be added to the FCC GIS layer using maps provided.**

**2.2.4 *If your management plan of each project does NOT indicate who is involved,* please state their technical skills and experience:**

|  |  |
| --- | --- |
| **Project Name** | **Who’s involved, their technical skills and experience** |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

**Note: Please do not provide any personal data (addresses, phone numbers etc.), as this will be a public document.**

**You shall provide the following additional evidence (if necessary) to confirm the capacity of the project team of each project to carry out the project:**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Select at least one box if info not in management plan | Attachment no | Evidence provided/document reference for each project |
| Details of skills of key staff | Yes/No |  |  |
| Evidence of previous experience of implementing or managing similar projects | Yes/No |  |  |
|  | Specify what |  |  |
| Other evidence |  |  |  |

## 2.3 Management of risks and permanence [View online guidance](https://www.skogarkolefni.is/en/standard-guidance/project-governance/risks-and-permanence)

1) Please identify all potential risks to the permanence of the project(s) for each of the risk categories. For a group, remember to highlight any risks for each project in the group if they differ in their level of risk.

2) For categories with M/M, M/H, H/M, H/H, L/H or H/L Likelihood/Impact of occurrence, describe how you will minimise this risk

3) State what evidence you have provided to support your assessment of each risk category (3).

**Risk Assessment and Mitigation Matrix**

| **Risk Category** | **(1) Potential Risks** | **Likelihood of Occurrence (L/M/H)** | **Impact of occurrence (L/M/H)** | **(2) Mitigation Strategy** | **(3) Evidence provided for each risk** |
| --- | --- | --- | --- | --- | --- |
|
| **Legal/Social (including land ownership, project management and finance)** |  |  |  |  |  |
| **Natural Disturbance: Fire** |  |  |  |  |  |
| **Natural Disturbance: Wind** |  |  |  |  |  |
| **Natural Disturbance: Drought/Flood** |  |  |  |  |  |
| **Natural Disturbance: Pest & Disease** |  |  |  |  |  |
| **Species Suitability in current and future climate** |  |  |  |  |  |
| **Other** |  |  |  |  |  |

## 2.4 Consultation [View online guidance](https://www.skogarkolefni.is/en/standard-guidance/project-governance/consultation)

**2.4.1 Describe how local stakeholders were identified and consulted on the plan and design of each project.**

|  |  |  |
| --- | --- | --- |
| **Project Name** | **Who consulted?** | **Consultation process** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

**2.4.2 Explain how any concerns or issues raised were responded to and describe any changes made to the project design as a result.**

|  |  |
| --- | --- |
| **Project Name** | **Any issues raised and changes to project as a result** |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

**You shall provide the following additional evidence to confirm the level of consultation undertaken for each project and any changes made because of the consultation:**

|  |  |  |
| --- | --- | --- |
| **To confirm level and outcome of consultation** | Select at least one box or provide other evidence | Evidence provided/document reference for each project |
| Project permit\* which confirms the level and outcome of consultation | Yes/No |  |
| Environmental Influence Assessment / Environmental Statement which confirms level and outcome of consultation | Yes/No |  |
| Other evidence of consultation process and outcome. | Yes/No |  |

\**Icelandic: Framkvæmdaleyfi*

## 2.5 Monitoring [View online guidance](https://www.skogarkolefni.is/en/standard-guidance/project-governance/monitoring)

The first monitoring and verification should be completed 5 years after the start date. Subsequent monitoring and verification should be completed as a minimum at year 15 and then every 10 years throughout the project duration.Monitoring should begin up to 12 months before the ‘due date’.

Projects using the standard project carbon calculator should use the ‘FCC Year 5 Survey Protocol’ at year 5, and then either undertake:

* Full monitoring using the ‘Year 15+ Survey Protocol’, and third-party verification, or
* Basic monitoring using the ‘Basic Monitoring Protocol’ to ‘Self-Assess’ their project.

*Note, there are restrictions as to when Basic Monitoring and Self-Assessment are permitted, and for projects using this route, no Pending Issuance Units will be converted to Verified Carbon Units. See* [*monitoring guidance*](https://www.skogarkolefni.is/en/standard-guidance/project-governance/monitoring) *for further information.*

**2.5.1 Monitoring plan**

|  |  |  |
| --- | --- | --- |
| **Who** | **Enter person or organisation responsible** | |
| Who will be responsible for monitoring the project or group? |  | |
| **Monitoring at Year 5** | **Completed before (enter end date of first ‘vintage’ –** *See PIU table in 3.4***)** | |
| FCC Year 5 Survey Protocol and Verification: | *dd-mm-yyyy* | |
| **Monitoring at Year 15** | **Choose method –** *Give project names if different methods will be used across a group* | **When – Enter completion date against the method likely to be used at vintage ending year 15 (***See PIU table in 3.4***)** |
| Year 15+ Full monitoring and Verification | **Yes/No** | *dd-mm-yyyy* |
| Year 15+ Basic monitoring and Self-Certification *(provided criteria are met)* | **Yes/No** | *dd-mm-yyyy* |
| **Frequency of monitoring after year 15, up to the project duration** | **Select likely frequency of monitoring thereafter** | |
| 10-yearly at the end each vintage (minimum) | **Yes/No** | |
| **Last monitoring and verification** | **Mandatory** | **When – Enter completion date as the end of the last vintage (***See PIU table in 3.4***)** |
| Year 15+ Full monitoring and Verification | **Yes** |  |

**2.5.2 Is the project(s) certified or applying for certification to a forest quality standard? *Yes/No [Delete as applicable]***

**2.5.2.1 *If yes*, please state for each project whether certification is via The Forest Stewardship Council FSC or The Programme for the Endorsement of Forest Certification PEFC and give the relevant certificate number.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Project Name** | **Attachment no** | **FSC or PEFC?** | **FSC or PEFC certificate number** |
|  |  |  |  |
|  |  |  |  |
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|  |  |  |  |
|  |  |  |  |

## 2.6 Registry and avoidance of double counting [View online guidance](https://www.skogarkolefni.is/en/standard-guidance/project-governance/double-counting)

**2.6.1 Is your project(s) validated or approved by another carbon/environmental standard, has it applied to be validated, or does it plan to be? *Yes/No [Delete as applicable]***

**2.6.1.1 *If yes*, please state which:**

|  |  |  |
| --- | --- | --- |
| **Project Name**  **/Attachment no** | **Name(s) of other carbon/environmental standards** | **Relevant unique ID from other standards** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

**2.6.2 Has the landowner/tenant accepted or are they planning to collect any charitable donate.ons to support this project which infer the donor’s contribution will help the global climate, greenhouse gas balance or carbon balance? *Yes/No [Delete as applicable]***

**2.6.3 Has the landowner, tenant or project developer sold any carbon credits from other projects which are not validated/verified to a standard? *Yes/No [Delete as applicable]***

**2.6.4 Do you agree to abide by the Registry Rules of Use? *Yes/No [Delete as applicable]***

## 2.7 Carbon statements and reporting [View online guidance](https://www.woodlandcarboncode.org.uk/standard-and-guidance/2-project-governance/2-7-carbon-statements-and-reporting)

**2.7.1 Will you ensure that all carbon buyers (existing and future) are aware/will be made aware of the FCC claims guidance? *Yes/No [Delete as applicable]***

**2.7.1.1 Do you ensure that statements or claims about the predicted carbon sequestration of the project(s) (by landowner, project developer or corporate buyer) comply with** [**Forest Carbon Code guidance**](https://www.skogarkolefni.is/en/buy-carbon/what-are-pius-wcus)**? *Yes/No/No claims yet [Delete as applicable]***

**2.7.1.2 *If yes*, please state where claims have been made and provide examples/photos/ links for the validation body.**

|  |  |  |  |
| --- | --- | --- | --- |
| Media | Select all that apply | Attachment no | Evidence provided/document reference for each project |
| Signage onsite | Yes/No |  |  |
| Websites | Yes/No |  |  |
| Publicity leaflets etc. | Yes/No |  |  |
|  | Specify what |  | Evidence provided/document reference for each project |
| Other media |  |  |  |

# 3. Carbon sequestration

## 3.1 Carbon baseline [View online guidance](https://www.skogarkolefni.is/en/standard-guidance/carbon-sequestration/carbon-baseline)

The carbon baseline is an estimate of how much the carbon stocks would change on the site over the project duration if the current landuse continued and there was no intervention to create forest.

**3.1.1 Please describe the soil type/group and vegetation present prior to afforestation, and how the carbon stock might change without the project.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Project Name**  **/Attachment no** | **Soil type and group (mineral or drained peat)** | **Vegetation present** | **How might carbon stocks change** *(e.g. continued grazing would mean little increase in carbon stocks onsite)?* |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**3.1.2 Over the project duration, would there be a significant increase in the carbon stored onsite if the current land use continued? (By significant, we mean ≥ 5% of the predicted carbon sequestration of the project) *Yes/ No [Delete as applicable]***

**3.1.2.1 *If yes*, the ‘baseline’ carbon sequestration needs to be included in your carbon calculation.** [**See further guidance.**](https://www.skogarkolefni.is/en/standard-guidance/carbon-sequestration/carbon-baseline)

**You shall provide the following additional evidence to confirm soil type, vegetation present, and any baseline carbon calculations:**

|  |  |  |
| --- | --- | --- |
| **To confirm the soil type and vegetation onsite:** | Select at least one vegetation and one soil source | Evidence provided/document reference for each project  /Attachment no |
| Maps, photos, remotely sensed images to indicate previous land cover | Yes/No |  |
| Field survey for vegetation or soil type | Yes/No |  |
| Soil maps/surveys for soil type | Yes/No |  |
| Other Evidence (Specify): | Yes/No |  |
| **To confirm baseline carbon sequestration** |  |  |
| More detailed baseline calculations and inclusion in FCC Carbon Calculation | Yes/No |  |

## 3.2 Carbon leakage [View online guidance](https://www.skogarkolefni.is/en/standard-guidance/carbon-sequestration/carbon-leakage)

Carbon leakage is an estimate of any increases in greenhouse gas emissions outside the project boundary over the project duration, as a result of the project going ahead (for example if afforestation in location A resulted in either deforestation or significantly intensified agricultural use in location B).

**3.2.1 Please state the current land use of each project and describe how it will be affected by the project (in the project area) and whether it results in any change or increase in intensity of land use (outside the project area).**

|  |  |  |  |
| --- | --- | --- | --- |
| **Project Name** | ***Current Land use***  *(e.g. rough grazing by sheep/cattle/ deer)* | ***Change to land use within project boundary?***  *(e.g. grazing will cease within the project area)* | ***Describe how land use on the wider holding will be affected?***  *(e.g. landowner will reduce overall sheep numbers on wider holding, meaning little change to the land use intensity of the wider land holding)* |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**3.2.2 Will there be any significant increase in greenhouse gas emissions on the wider land holding as a result of afforestation in the project area? (By significant, we mean ≥ 5% of the predicted carbon sequestration of the project) *Yes/No [Delete as applicable]***

**3.2.2.1 *If yes*, ‘leakage’ (increased greenhouse gas emission on the wider land holding) needs to be estimated and included in your carbon calculation.** [**See further guidance**](https://www.skogarkolefni.is/en/standard-guidance/carbon-sequestration/carbon-leakage)**.**

**3.2.2.2 *If leakage from any project will occur*, please describe how leakage will be monitored throughout the duration of that project.**

**You shall provide the following additional evidence to confirm leakage assumptions or calculations:**

|  |  |  |
| --- | --- | --- |
|  | If leakage significant, select both boxes | Evidence provided/document reference for each project |
| Map of site and surrounding area with leakage risks highlighted | Yes/No |  |
| More detailed leakage calculations and inclusion in FCC Carbon Calculation | Yes/No |  |
|  | Specify what | Evidence provided/document reference for each project |
| Other evidence |  |  |

## 3.3 Project carbon sequestration [View online guidance](https://www.skogarkolefni.is/en/standard-guidance/carbon-sequestration/project-carbon-sequestration)

You are required to complete a ‘FCC Carbon Calculation’ spreadsheet based on output from the Icelandic Forest Carbon Calculator ([Skógarkolefnisreiknir](https://reiknivel.skogur.is/)) to estimate the project and net carbon sequestration. This shall be uploaded to the registry and made publicly available alongside this PDD upon validation.

**3.3.1 If necessary, use this space to clarify any details of your calculation**

**You shall provide the following additional evidence for each project to confirm carbon sequestration assumptions and calculations.**

|  |  |  |
| --- | --- | --- |
|  | Select box | Evidence provided/ document reference for each project |
| FCC Carbon Calculation Spreadsheet with a clear breakdown of the contribution of each project | Yes/No |  |
|  | Specify what | Evidence provided/ document reference for each project |
| Other evidence |  |  |

**Note: You will be required to upload finalised FCC Carbon Calculations to the registry upon validation.**

## 3.4 Net carbon sequestration [View online guidance](https://www.skogarkolefni.is/en/standard-guidance/carbon-sequestration/net-carbon-sequestration)

You are required to complete the FCC Carbon Calculation Spreadsheet provided, including adjusting for Baseline ([3.1](https://www.skogarkolefni.is/en/standard-guidance/carbon-sequestration/carbon-baseline)) and Leakage ([3.2](https://www.skogarkolefni.is/en/standard-guidance/carbon-sequestration/carbon-leakage)) to come to a net carbon sequestration figure (See [Online Guidance](https://www.skogarkolefni.is/en/standard-guidance/carbon-sequestration/net-carbon-sequestration)).

Sequestration over time is divided into ‘vintages’ which equate to the monitoring periods set out in Section 2.5 above. Upon monitoring and verification at the end of each vintage, delivered Pending issuance Units will be converted to Forest Carbon Units. Remember if growth/sequestration is less than predicted, Pending Issuance Units will be cancelled.

**3.4.1 Outline the predicted number of carbon units by vintage (and the proportion that can be sold/claimed by the project or set aside for the FCC buffer).** *[You can cut and paste this table from the Icelandic Forest Carbon Calculation spreadsheet. You will need to produce one table for each project if you are accounting for the carbon at the project (rather than group) level]*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Verification: years since start date** | **Vintage Start Date** | **Vintage End Date** | **Total Units in vintage**  **(tCO2e)** | **Units to Buffer (tCO2e)** | **Units to Project (tCO2e)** |
| 5 |  |  |  |  |  |
| 15 |  |  |  |  |  |
| 25 |  |  |  |  |  |
| 35 |  |  |  |  |  |
| 45 |  |  |  |  |  |
| 55 |  |  |  |  |  |
| 65 |  |  |  |  |  |
| 75 |  |  |  |  |  |
| 85 |  |  |  |  |  |
| 95 |  |  |  |  |  |
| 100 |  |  |  |  |  |
| **Totals** |  |  |  |  |  |

**3.4.2 For projects where significant natural regeneration is planned, or where species are used for which there is no applicable carbon model in the Icelandic Forest Carbon Calculator, PIUs will NOT be issued at validation. Does this apply to your project? *Yes/No [Delete as applicable]***

# 4. Environmental quality [View online guidance](https://www.skogarkolefni.is/en/standard-guidance/environmental-quality)

**4.1.1 Please indicate for each project whether an Environmental Impact Assessment (EIA) was required.**

|  |  |  |
| --- | --- | --- |
| **Project Name** | **EIA required?** | **Attachment no** |
|  | Yes/No |  |
|  | Yes/No |  |
|  | Yes/No |  |
|  | Yes/No |  |
|  | Yes/No |  |

**4.2.1 Biodiversity**

**4.2.1.1 *For project(s) where no EIA is required*, please state whether any site or neighboring areas contain any areas protected by law or regulations.**

|  |  |  |
| --- | --- | --- |
| **Project Name** | **Designations On site** | **Designations Near Site** |
|  | Yes (Specify which)/None | Yes (Specify which)/None |
|  | Yes (Specify which)/None | Yes (Specify which)/None |
|  | Yes (Specify which)/None | Yes (Specify which)/None |
|  | Yes (Specify which)/None | Yes (Specify which)/None |
|  | Yes (Specify which)/None | Yes (Specify which)/None |

**4.2.1.2 *For each project where no EIA is required,* please explain how any rare or endangered species or conservation areas have been taken into account.**

|  |  |
| --- | --- |
| **Project Name** | **Consideration for rare/endangered species or conservation areas** |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

**4.3 Landscape**

**4.3.1 *For each project where no EIA is required,* please state whether any site or neighboring areas contain any landscape conservation areas.**

|  |  |  |
| --- | --- | --- |
| **Project Name** | **Designations On site** | **Designations Near Site** |
|  | Yes (Specify which)/None | Yes (Specify which)/None |
|  | Yes (Specify which)/None | Yes (Specify which)/None |
|  | Yes (Specify which)/None | Yes (Specify which)/None |
|  | Yes (Specify which)/None | Yes (Specify which)/None |
|  | Yes (Specify which)/None | Yes (Specify which)/None |

**4.3.2 *For each project where no EIA is required,* please explain how any designated land on or near the site has been taken into account.**

|  |  |
| --- | --- |
| **Project Name** | **Consideration of designated land** |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

**4.4 Historic Landscape and Archeology:**

**4.4.1 List the-Archeological / Historical site survey(s) available for the project site?**

|  |  |  |
| --- | --- | --- |
| **Project Name** | **Attachment no** | **Survey name** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

**4.4.2 *For each project where no EIA is required,* please state whether any site or neighboring areas contain any areas of the following designations: Historic sites, World Heritage Sites, Registered Parks and Gardens, Monuments**

|  |  |  |
| --- | --- | --- |
| **Project Name** | **Designations On site** | **Designations Near Site** |
|  | Yes (Specify which)/None | Yes (Specify which)/None |
|  | Yes (Specify which)/None | Yes (Specify which)/None |
|  | Yes (Specify which)/None | Yes (Specify which)/None |
|  | Yes (Specify which)/None | Yes (Specify which)/None |
|  | Yes (Specify which)/None | Yes (Specify which)/None |

**4.4.2.1 *For each project where no EIA is required,* please explain how any historic landscape features have been taken into account.**

|  |  |
| --- | --- |
| **Project Name** | **Consideration of historic landscape features** |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

**4.5 Biodiversity and Water Benefits**

**4.5.1 Please highlight any biodiversity benefits of your project(s):**

|  |  |
| --- | --- |
| **Project Name** | **Biodiversity Supporting Commentary** |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

**4.5.2 Please highlight any likely water benefits of your project(s):**

|  |  |
| --- | --- |
| **Project Name** | **Water Supporting Commentary** |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

**4.6 *If you intend to monitor the environmental benefits* *of any project(s)* throughout the project duration, please describe how this will be carried out.**

FSK4.6.3 Krafa fjármögnunaraðila um MÁU (?)

**You shall provide the following additional evidence to confirm details of the environmental impact or benefit of each project:**

|  |  |  |
| --- | --- | --- |
| **To confirm EIA status** | **Select at least one box** | **Evidence provided/document reference for each project** |
| Environmental Statement from EIA | Yes/No |  |
| Screening opinion confirming EIA not required | Yes/No |  |
| **To confirm consideration of environmental impacts including designated areas** | **Select box if designated areas** | **Evidence provided/document reference for each project** |
| Map showing any designated areas (digital image or shapefile) | Yes/No |  |
| Other design planning documentation | Yes/No |  |
|  | **Specify what** | **Evidence provided/document reference for each project** |
| Other evidence |  |  |

# 5. Social responsibility [View online guidance](https://www.skogarkolefni.is/en/standard-guidance/social-responsibility)

**5.1 Forest and Community: Please highlight any community benefits of each project.**

|  |  |  |
| --- | --- | --- |
| Element | Project(s) where benefit occurs | If benefits occur, please provide further explanation |
| Located in area deficient in accessible natural green space? | *List projects* |  |
| Promoting use of woodland to a range of groups across the community? | *List projects* |  |
| Designed in a way that supports community activities? | *List projects* |  |
| Community involved in the design of the woodland? | *List projects* |  |
| Helps to regulate air quality or temperature? | *List projects* |  |
| Other | *List projects* |  |

**5.2 Forest and Economy: Please highlight any economic benefits of each project.**

|  |  |  |
| --- | --- | --- |
| Element | Project(s) where benefit occurs | If benefits occur, please provide further explanation |
| Designed with timber production as an aim? | *List projects* |  |
| Expected to produce wood fuel or other non-timber products? | *List projects* |  |
| Expected to support local enterprises in the future? | *List projects* |  |
| Expected to contribute to rural diversification or urban regeneration? | *List projects* |  |
| Provide opportunities for volunteering? | *List projects* |  |
| Will be used as a place to deliver training and skills? | *List projects* |  |
| Other | *List projects* |  |

**5.3 *If you intend to monitor the social benefits or impacts of each project* throughout its duration, please describe how this will be carried out.**

**You shall provide the following additional evidence to confirm details of the social impact or benefit of each project:**

|  |  |  |
| --- | --- | --- |
| To confirm the potential Community and Economy Benefits of the project: | Select Box: | Evidence provided/document reference for each project |
| Design planning documentation which confirms social impacts/benefits | Yes/No |  |
| Other evidence (Specify): | Yes/No |  |