

Denmark

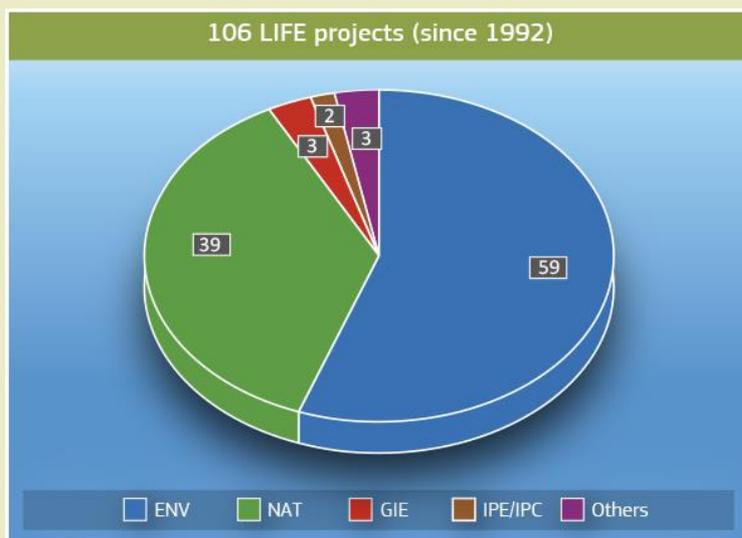


Overview

This document provides an overview of LIFE in Denmark. It showcases key data and some of the latest LIFE projects.

You will also find contact details and other useful resources and a full list of current and recently-finished LIFE projects.

Every year calls for project proposals are launched covering the LIFE programme's priority areas.



Investment in LIFE projects in Denmark (€ million)

	Total investment	EU contribution
ALL LIFE projects	314	148.5
Environment and Resource Efficiency (ENV)	147	56
Nature and Biodiversity (NAT)	134	73
Environmental Governance and Information (GIE)	3.5	2
Integrated (IPE/IPC)	29	17
Others	0.7	0.3

ABOUT LIFE

The LIFE programme is the EU's funding instrument for the environment and climate action. It has been running since 1992 and has co-financed more than 4 500 projects across the EU and in third countries, mobilising over €9 billion and contributing more than €4 billion to the protection of the environment and climate. The budget for the LIFE programme for 2014–2020 is set at €3.4 billion in current prices, with a sub-programme for environment and a sub-programme for climate action.

Types of LIFE project:

- Traditional (Environment and Resource Efficiency; Nature and Biodiversity; Environmental Governance and Information; Climate Change Mitigation; Climate Change Adaptation; Climate Governance and Information).
- Integrated (Environment, Nature or Climate Action)
- Preparatory
- Capacity-building

Other types of LIFE funding:

- NGO operating grants
- Natural Capital Financing Facility (NCFF)
- Private Finance for Energy Efficiency (PF4EE)

NCFF and PF4EE are joint initiatives with the European Investment Bank, which manages the two funds. For more information visit: <http://ec.europa.eu/life>

LIFE Environment and Resource Efficiency

This LIFE priority area is aimed at developing, testing and demonstrating best practices, solutions and integrated approaches to environmental challenges, as well as improving the related knowledge base.

To date, the LIFE Environment and Resource Efficiency strand (formerly the LIFE Environment Policy and Governance component) has co-financed 59 projects in Denmark, representing a total investment of €147 million, of which €56 million has been provided by the EU.

The completed projects focused mainly on issues such as water management at the river basin scale, packaging and plastic waste, reduction of greenhouse gases emissions, management of industrial and hazardous waste, clean technologies, waste recycling in the building sector, and climate change adaptation (natural risk management). More than three-quarters of the projects were carried out by international and large enterprises. Other beneficiaries included local authorities, research institutions, SMEs, a professional organisation and a large enterprise. These projects had average durations of 30 to 42 months.

There are two ongoing projects. One aims, over a 30-month period, to develop a smart resource-saving cleaning process. The other project will, over a 97-month period, develop tools, models, and manuals to reduce barriers for Close to Nature Forestry (CNF) implementation, combined with the large-scale demonstration, testing, and dissemination of CNF practices. The projects are coordinated by the company Euro Pool System Denmark A.p.S. and the Danish Nature Agency, respectively.

The project presented in the box below is an example of a successful LIFE Environment project in Denmark.



Intermunicipal cooperation on Water Management and Climate Change Adaptation for The Stream of Usseerød (Stream of Usseerød) **LIFE11 ENV/DK/000889**

The Stream of Usseerød project developed an inter-municipal approach to managing a stream running through three municipalities in Denmark, and implemented a series of flood prevention measures. It succeeded in significantly reducing the flood risk of the stream of Usseerød in urban areas. The approach is highly relevant for climate change adaptation, with methods that can be transferred to similar situations across Europe.

The project team established a permanent inter-municipal organisation for coordinating the management of the stream of Usseerød, comprising the local authorities in Fredensborg, Hørsholm and Rudersdal, and three water utility companies; and developed a joint emergency plan in case of flooding events. A water flow metering system was created and this feeds data into a real-time computer model, which enables water flow in the stream to be continuously monitored. The water flow data can be accessed online and anyone can monitor the water level of the stream via the project's website.

Measures were established by the project that can be implemented to adjust the water level in the stream of Usseerød during periods of heavy rainfall. The project team successfully demonstrated these measures and conducted emergency training exercises, to ensure key personnel could use the measures effectively when needed.

The project team created a wet meadow at Blårenden/Mortenstrupvej, with a storage capacity of 9 000 m³ of water, which extends the natural water retention capacity of the wet meadows in the area by five times. This will be important for preventing flooding in the municipalities, even if climate change effects are much larger than currently foreseen. Among the other measures, the project improved lock management at Sjølsø Lake to gain better control of water flow, by incorporating an automatic system to replace an outdated manual one. Project calculations also showed that the lake's water retention capacity was better than previously thought in cases of heavy rainfall.

The project team determined that the measures would significantly reduce the risk of flooding and flood-related damage to nearby housing in a 100-year scenario, and could continue to offer protection to the municipalities for up to 200 years. The project team presented their modelling data in a series of easy-to-understand flood risk maps.

The project team published a manual to inform citizens of the municipalities about flood risks and the measures implemented to reduce those risks. It is potentially of interest to anyone living in flood-prone areas and is freely available on the project website. The project's main conference was on methods for inter-municipal cooperation on climate change adaptation and water management.

For further information:
<http://www.usseerod-aa.dk>

LIFE Nature and Biodiversity

This LIFE priority area is aimed at developing, testing and demonstrating best practices, solutions and integrated approaches to contribute to the development and implementation of nature and biodiversity policy and legislation, as well as improving the related knowledge base.

To date, the LIFE Nature and Biodiversity component has co-financed 39 projects in Denmark. These represent a total investment of €134 million, of which €73 million was contributed by the EU.

The completed projects focused mainly on the restoration of habitats (grey dunes, coastal lagoons, raised bogs, dry grasslands, heathlands and fjords, marine cavernous boulder reefs in Kattegat, Mølleåen river system, dry grasslands at Bøjden Nor, inland dunes, Atlantic heaths, semi-natural habitat at Helnæs, and rare wet terrestrial habitats in Southern Denmark), but also on the implementation of actions to sustain endangered species (marsh fritillary, meadow birds, fire-bellied toad, and houting). The projects were mainly carried out by the Danish Nature Agency, as well as by regional and local authorities. Their average durations were between 36 and 67 months.

There are nine ongoing LIFE+ Nature and Biodiversity projects in Denmark. Except for two projects that aim to improve the conservation status of species - the thick-shelled river mussel, coastal birds in the West Baltic Sea and Wadden Sea birds - the projects focus on the conservation and restoration of habitats, including coastal habitats, wetlands in dune habitats, petrifying springs, calcareous fens, and alkaline fens. The projects are being carried out by the Danish Nature Agency and by local authorities. The projects have average expected durations of between 60 and 100 months.

The project presented in the box below is an example of a successful LIFE Nature project in Denmark.



Restoration of active raised bog - Lille Vildmose (Lille Vildmose) **LIFE10 NAT/DK/000102**

The Lille Vildmose project improved the Lille Vildmose active raised bog in Denmark, by enhancing ecological coherence and green infrastructure. This resulted in the improvement of the conservation status of the entire Nature 2000 site. Most of the effects of the project's measures are expected to unfold over many years, as the raised bog gradually responds to the restored hydrological system. However, in many areas the response has been immediate and is already visible.

Significant improvements in hydrological conditions have occurred, particularly in the impacted edge areas where active raised bog borders farmland. The large-scale clearance of tree growth and the introduction of grazing by large herbivores is expected to significantly improve the conservation status of 2 100 ha of the habitat type 'Active raised bogs (7110*)', which was in unfavourable conservation status mainly due to birch invasion. The project's actions will also restore and improve other habitat types in Annex I of the EU Habitats Directive: 'Degraded raised bogs still capable of natural regeneration' (7120), as well as 'Natural dystrophic lakes and ponds' (3160), 'Transition mires and quaking bogs' (7140) and 'Bog woodland' (91D0*) on more than 900 ha.

Due to the significantly enlarged wetland areas, combined with a predator-control programme for securing breeding sites for ground-nesting birds, living conditions for the Annex I species black stork, wood sandpiper, hen harrier, white-tailed eagle, crane, and short-eared owl have been improved. However, due to initial low national population sizes, it will take more time to see significant results. Furthermore, the predator-control actions have revealed that even with a large effort, especially for racoon dog, populations still seem to increase. This trend is also seen in the rest of the country and in neighbouring countries. Several rare moth and butterfly species occur in the central parts of the raised bog areas, including two with their only Danish occurrence here (*Orgyia recens* and *Idaea pallidata*).

Today, the overall Nature 2000 site is one of the largest and most coherent nature area in Denmark, with unique opportunities to experience large areas of a unique type of natural wetland. With the designation as a wetland of international importance through the Ramsar Convention in 2013, Lille Vildmose is today used as a case study in how to restore peatland areas. In August 2013, Lille Vildmose was the first wetland site in the history of the Ramsar Convention to be considered for a Ramsar criterion on climate regulation.

For further information

<http://www.lifelillevildmose.dk>

LIFE Environmental Governance and Information

This priority area is aimed at raising awareness of environmental matters, supporting the communication, management and dissemination of environmental information, and promoting better environmental governance by broadening stakeholder involvement.

To date, this strand (formerly the LIFE+ Information and Communication component) has co-financed three projects in Denmark. This represents a total investment of €3.5 million, of which €2 million was provided by the EU. The projects are coordinated by an NGO and a knowledge centre, and have durations from 30 to 36 months.

The SMART NATURA project was completed at the end of November 2015. Its aim was to ensure a smooth and cost-effective implementation of Natura 2000 to the benefit of biodiversity, natural amenities and the people who live in Natura 2000 sites.

The objective of LIFE - Support EUTR, completed in 2018, was to better implement the EU Timber Regulation 995/2010 (EUTR) in Denmark. See its detailed results in the box below.

The ongoing LIFE - Support EUTR II project will complement the latter project by aiming to close remaining gaps in EUTR implementation, with a specific focus on competent authorities, monitoring organisations and industry operators in critical timber-importing countries.



Increasing Awareness and Capacity to Support Effective Implementation of the EU Timber Regulation (LIFE – Support EUTR) LIFE14 GIE/DK/000178

The project has carried out 61 national risk assessments related to the EUTR. The number of website visits and downloads for the risk assessments proved a great success.

A target survey was conducted in the 12 target countries, but a significantly lower than foreseen number of answers were received and demonstrated the lack of knowledge about the EU Timber Regulation (EUTR). The general due diligence advisory documentation was prepared. The training workshops for EUTR have been successfully completed, attracting ca. 40 participants per session. Several other industry events were participated in.

The Sourcing Hub established by the project gathered data that support rather than overlap many other initiatives with comparable goals. Unlike supply chain tracking and mapping websites that have been recently developed to help companies to help manage their due diligence systems related to supply chain sourcing, this particular hub is different in that it is an information hub that provides comprehensive and specific data about risks, as well as tools and suggestions for how to manage identified risks.

For further information:

<http://www.nepcon.org/projects/support-EUTR>

LIFE Integrated Projects for the Environment and Clima

This LIFE priority area is aimed at implementing on a large territorial scale (regional, multi-regional, national, trans-national) environmental or climate plans or strategies required by specific EU environmental or climate legislation, primarily in the areas of nature, water, waste, air and climate change mitigation and adaptation. Integrated Projects ensure the involvement of stakeholders and promote the coordination with and mobilisation of at least one other relevant EU, national or private funding source.

To date, two Integrated Projects have been co-financed in Denmark, one for Environment and one for Clima. This represents a total budget of €29 million, of which the EU is contributing €17 million.

The Integrated Project for the Environment, NATUREMAN, aims to create and test the incentives required to develop nature management into a separate branch of farming. The objective is to make it financially attractive for farmers to include natural areas with grazing or harvesting of biomass in their farming activities, through the development of high-value specialty products. This project is being coordinated by the Danish Nature Agency and will run for a period of 90 months, from October 2018.

The Integrated Project Clima, EU LIFE IP C2C CC, aims to create climate-resilient cities in a climate-resilient region by drawing up a common, long-term strategy with local stakeholders. This strategy will lead to the targeted implementation of local Climate Change Adaptation (CCA) plans, coordinated CCA analyses and activities, and the identification and improvement of the resources and adaptive capacities of citizens, municipalities, utilities and companies in the water sector. This project is coordinated by the Central Denmark Region and will run for 74 months, from November 2016. Detailed objectives of this latter project can be found in the box below.



EU LIFE IP C2C CC (EU LIFE IP C2C CC) LIFE16 IPC/DK/000006

The C2C CC project views CCA plans as a cross-boundary challenge in which coordination, knowledge sharing and capacity building are necessary for improved governance and the development of tools and innovation. The IP focuses on four themes related to the hydrological cycle: sea and fjords, rivers, groundwater and rainwater. These are supplemented by three cross-cutting themes: governance, tools and innovation.

The objectives, related to the challenges documented in the CCA plans, are to:

- Increase coastal resilience taking into consideration environmental conditions and marine biodiversity;
- Increase the resilience of land alongside riverbanks;
- Increase resilience of rising near-surface groundwater, so optimising the use of surplus groundwater;
- Increase urban resilience considering synergies with green infrastructure;
- Increase resilience through capacity building, strengthened network governance and cross-border coordinated planning;
- Increase resilience through enhanced decision-making processes; and
- Increase resilience by generating jobs and green investments.

For further information:

<http://www.c2ccc.eu/>

Find out more about LIFE and LIFE projects

LIFE website

The LIFE website provides a wealth of information on the LIFE programme:
<http://ec.europa.eu/life/>



LIFE project database

For further information on LIFE projects in Denmark or LIFE projects in general, please consult the online LIFE projects' database:
<http://ec.europa.eu/environment/life/project/Projects/index.cfm>

This easy-to-use database is the authoritative source of information on all ongoing and completed LIFE projects. It also provides information on the beneficiaries, their contact details, and the projects' websites.



Social media



twitter.com/LIFE_Programme



<http://www.facebook.com/LIFE.programme>



www.flickr.com/photos/life_programme

Contact

The National Contact Point for Denmark

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Recently closed and ongoing LIFE Environment and Resource Efficiency projects				
Project Title	Project Number	Website	Click on the icon to read the project summary	Project duration
Intermunicipal cooperation on Water Management and Climate Change Adaptation for The Stream of Usseøed (Stream of Usseøed)	LIFE11 ENV/DK/000889	http://www.usseøed-aa.dk		09/2012 → 02/2016
Towards a resource-efficient revolution by implementing a smart resource-saving cleaning process (LIFE NAUTILUS)	LIFE18 ENV/DK/000610	N/A		07/2019 → 01/2022
Forest fit for future (LIFEFORFIT)	LIFE19 ENV/DK/000013	N/A		09/2020 → 10/2028

Recently closed and ongoing LIFE Nature & Biodiversity projects				
Project Title	Project Number	Website	Click on the icon to read the project summary	Project duration
Restoring Sølsted Mose - a contribution to the network of Danish raised bogs (7110*) in favourable conservation status (SMOOTH)	LIFE10 NAT/DK/000099	http://www.soelstedmose.dk		09/2011 → 06/2016
Restoration of active raised bog - Lille Vildmose (Lille Vildmose)	LIFE10 NAT/DK/000102	http://www.lifelillevildmose.dk		09/2011 → 12/2016
LIFE LAESOE - restoration of birdlife and natural habitats at Laesoe (LIFE LAESOE)	LIFE11 NAT/DK/000893	http://www.naturstyrelsen.dk/Naturbeskyttelse/Naturprojekter/Projekter/Vendsyssel/LIFE_LAESOE/		10/2012 → 09/2017
Restoration of rare wet terrestrial habitat nature types of national priority in Southern Denmark (RARE NATURE)	LIFE11 NAT/DK/000894	http://www.life70.dk		06/2012 → 12/2018
Raised Bog Restoration in Eastern Denmark (LIFE: Eastern Bogs)	LIFE12 NAT/DK/000183	http://www.boqf.dk/		08/2013 → 11/2018
Nature Restoration of Jerup Moorland, Raabjerg and Tolshave Bogs (LIFE WETHAB)	LIFE12 NAT/DK/000803	http://naturstyrelsen.dk/naturbeskyttelse/naturprojekter/life-raabjerg-mose/		07/2013 → 06/2018
Restoration of Danish Coastal Habitats (REDCOHA-LIFE)	LIFE12 NAT/DK/001073	http://www.nst.dk/saarbarnatur		08/2013 → 07/2018
Restoration of wetlands in dune habitats (REWETDUNE-LIFE)	LIFE13 NAT/DK/001357	http://naturstyrelsen.dk/naturbeskyttelse/naturprojekter/life-hulsig-hede/		08/2014 → 07/2019
Raised bogs in Denmark (LIFEraisedbogs)	LIFE14 NAT/DK/000012	http://raisedbogsindenmark.dk		08/2015 → 12/2021
Restoration and conservation of petrifying springs (*7220), calcareous fens (*7210) and alkaline fens (7230) in Denmark (RigKilde-LIFE)	LIFE14 NAT/DK/000606	https://www.jammerbugt.dk/borger/miljoe-natur-og-energi/natur/naturgenopretning-og-		08/2015 → 07/2020

		artsfokus/naturgenopretning-svenstrup-kaer-life-projekt/		
Actions for improved conservation status of The thick shelled river mussel (<i>Unio crassus</i>) in Denmark (UC LIFE Denmark)	LIFE15 NAT/DK/000948	http://www.naestved.dk/susaa		09/2016 → 12/2021
Improvement of natural habitats for coastal birds in the West Baltic Sea (Better BirdLIFE)	LIFE17 NAT/DK/000498	https://betterbirdlife.middelfart.dk/		09/2018 → 10/2025
New habitats for Bombina bombina other amphibians and birds to counteract problems from climate change in coastal areas (LIFE Clima-Bombina)	LIFE18 NAT/DK/000732	https://www.vordingborg.dk/borger/miljoe-og-natur/natur/life-clima-bombina-2019-2023		09/2019 → 12/2023
LIFE Open Woods. Improvement of the conservation status of forest habitats with a focus on <i>Osmoderma eremita</i> (LIFE Open Woods)	LIFE18 NAT/DK/000747	http://amphi.dk/projekter/eu-projekter/eu-life/nyt-projekt-hos-amphi-life-open-woods-improvement-of-the-conservation-status-of-forest-habitats-with-a-focus-on-osmoderma-eremita/		09/2019 → 12/2027
Restoring and managing bird habitats in the Danish and German Wadden Sea area (LIFE Wadden Sea Birds)	LIFE19 NAT/DK/000922	N/A		09/2020 → 12/2026

Recently closed and ongoing LIFE Environmental Governance and Information projects				
Project Title	Project Number	Website	Click on the icon to read the project summary	Project duration
Smooth Methods of communication, cooperation and Awareness Raising Tools of the Natura 2000-plans (SMART Natura)	LIFE11 INF/DK/000891	http://www.smart-natura.dk		07/2012 → 06/2015
Increasing Awareness and Capacity to Support Effective Implementation of the EU Timber Regulation (LIFE - Support EUTR)	LIFE14 GIE/DK/000178	http://www.nepcon.org/projects/support-EUTR		07/2012 → 06/2015
Enabling Effective Implementation and Enforcement of the EU Timber Regulation in 6 Key Timber Importing Countries (LIFE - Support EUTR II)	LIFE18 GIE/DK/000763	https://preferredbynature.org/projects/closing-gaps-illegal-timber-trade		07/2019 → 06/2022

Ongoing LIFE Integrated Projects				
Project Title	Project Number	Website	Click on the icon to read the project summary	Project duration
EU LIFE IP C2C CC (EU LIFE IP C2C CC)	LIFE15 IPC/DK/000006	http://www.c2ccc.eu/		11/2016 → 12/2022
The Farmer as a Manager of Nature: aiming at a favourable conservation status for Natura 2000 sites by making nature	LIFE16 IPE/DK/000006	http://naturstyrelsen.dk/naturbeskyttelse/naturprojekter/integrere		10/2018 → 03/2026

management a sound branch of farming (NATUREMAN)				
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