

**FOREST EUROPE**

**UN ECONOMIC COMMISSION FOR EUROPE**

**FOOD AND AGRICULTURE ORGANIZATION**



Food and Agriculture  
Organization of the  
United Nations



**UNECE**

---

Reporting format for progress towards Goals for European Forests and the European 2020 Targets for Forests and Questionnaire on the pan-European Qualitative Indicators for Sustainable Forest Management

## FOREST EUROPE/UNECE/FAO

Reporting format for progress towards Goals for European Forests and the European 2020 Targets for Forests and Questionnaire on the pan-European Qualitative Indicators for Sustainable Forest Management

### National correspondent:

Name:	Mr Bolgè Roberto
Organisation:	
Address:	
Phone/Fax:	
E-mail:	

### Other professionals involved in the reporting process:

Name:	Dürr Christoph
Organisation:	
E-mail:	
Name:	Abegg Meinrad
Organisation:	
E-mail:	
Name:	
Organisation:	
E-mail:	

Please indicate e-mail addresses, a copy of the national report on the qualitative indicators should be sent to:

--

## Introduction

In 2011, in the Oslo Ministerial Decision; European Forests 2020, ministers responsible for European forests made a number of commitments, notably the Goals for European Forests and the European 2020 Targets for Forests. The eighth Ministerial Conference on the Protection of Forests in Europe, to be held in Bratislava in 2020, will review progress towards these goals and targets, as well as carrying out the regular study on the State of Europe's Forests, based on the pan-European criteria and indicators of sustainable forest management. The study will serve as background information to shape political and technical discussions on future opportunities and challenges, and political responses to these developments.

To improve data quality and to reduce the reporting burden, the reporting processes for the goals and targets and for the qualitative indicators of sustainable forest management are being combined, as there is significant overlap in the areas on which information is needed. This enquiry requests information on progress towards the goals and targets, which mostly concern measures and actions at the national level, as well as information on the qualitative indicators on sustainable forest management, which concern legal, institutional, policy, financial and informational instruments. Information provided for this enquiry, combined with the parallel enquiry on the quantitative indicators of sustainable forest management, will provide sufficient information for the State of Europe's Forests 2020, which will also report on progress towards the goals and targets.

This enquiry is structured according to the updated pan-European qualitative indicators for sustainable forest management, as adopted in Annex 1 to the Madrid Ministerial Declaration 2015. In completing the enquiry, you may wish to consult the following sources of information on policies and institutions:

STATE OF EUROPE'S FORESTS 2015:

<http://foresteurope.org/state-europes-forests-2015-report/>

Background information for the updated pan-European indicators for sustainable forest management:

[http://foresteurope.org/wp-content/uploads/2016/10/3AG\\_UPI\\_Updated\\_Backgr\\_Info.pdf](http://foresteurope.org/wp-content/uploads/2016/10/3AG_UPI_Updated_Backgr_Info.pdf)

FAO-LEX: <http://faolex.fao.org/faolex>

All FOREST EUROPE members are also members of the UN Forum on Forests, which will also invite members to report, on a voluntary basis, on progress towards the Global Forest Goals and Targets for a report scheduled for 2021. The two processes (global and pan-European) are formally quite separate, but clearly overlap in subject matter. To the extent possible, this reporting format has been designed to reduce the reporting burden, so that respondents may provide the same information in both fora.

For more information please contact Liaison Unit Bratislava  
(Liaison.Unit.Bratislava@foresteurope.org, [rastislav.rasi@foresteurope.org](mailto:rastislav.rasi@foresteurope.org))

**Deadline for submission: 31 October 2018**

## Part 1: Reporting on progress towards the Goals for European Forests and the European 2020 Targets for Forests

With regard to the Forest Europe Work Programme 2016-2020, activity 4.2.4, please provide information, following the template below, on the major actions and measures taken in your country to achieve the Goals for European Forests and the European 2020 Targets for Forests. In the interests of analysis and to facilitate the identification of regional trends, please keep your answer short, restricting yourself to the five most important actions or measures, and identifying a maximum of five remaining challenges. If you wish to list more actions, or provide more detail, please do so in a separate message.

Please ensure that all the actions/measures and challenges you list are directly connected to the specific goal or target, and not to more general forest governance measures (which are addressed in the next part of this enquiry).

### Goals for European Forests

During the FOREST EUROPE Ministerial Conference held in 2011 in Oslo, Norway, ministers responsible for forests in Europe adopted eight "Goals for European Forests" which are of long term nature. The below questions relate to the progress so far achieved.

#### Goal I. Sustainable management of all European forests ensures multiple forest functions and enhances lasting provision of goods and services

Please describe a maximum of five major actions and measures taken towards achieving Goal I (maximum of 100 words per action, please). Please indicate, if an action or measure could be referenced as Best Practice Example.

Action / Measure 1	Definition and implementation of the Federal act on forests, based on the Federal Constitution of the Swiss Confederation (see art. 73 sustainable development and art. 77 forests) .
Action / Measure 2	Definition and implementation of the Forest Policy 2020.
Action / Measure 3	Definition and implementation of the Wood Resource Policy and Wood Action Plan.
Action / Measure 4	Definition and implementation of the Swiss Biodiversity Strategy and Action Plan. In this context the Confederation also adopt and implement the support to the execution "Biodiversität im Wald: Ziele und Massnahmen" (biodiversity in forests: Targets and measures).
Action / Measure 5	Definition and Implementation of the forest support policy. The federal support is based on the National Fiscal Equalisation (NFE) and the division of tasks between the federal government and the cantons. The federal government and the cantons now mainly provide comprehensive subsidies that favour the categories: protection forest programm, forest biodiversity programm and forest management programm.

--	--

Please describe a maximum of five major remaining challenges to achieve Goal I (maximum of 100 words per challenge, please)

Challenge 1	Climate change is creating new framework conditions forest management and the provision of forest services. The first signs of the effects of climate change on forests are becoming apparent in Switzerland and worldwide. Scientists agree that the changes observed so far are just the beginning of continuing processes and that they will become intensified as climate change persists. How severe the changes will really turn out to be is difficult to predict.
Challenge 2	Commercial exploitation of Swiss forests remains expensive. The most important reasons for this are the fragmentation of the management structures, the difficult terrain in mountain forests and the requirement to provide substantial protection and recreational services. The costs associated with commercial use cannot usually be covered by the income from the wood. And forest services for the public are becoming increasingly important, but they are at the moment not converted sufficiently into financial value.
Challenge 3	In the intensively used regions on the Swiss Plateau and in the Alpine centres, however, the forest area is increasingly under pressure due to the construction of housing and infrastructure facilities. The forest area has remained the same in these regions for decades, and the forest is protected by the Federal Act on forests, but human demands are increasingly having an impact on the forest.
Challenge 4	In coming years, the vulnerability of our forests will change. Whereas today high nitrogen deposition and ozone concentrations continue to stress many forests, in future the direct and indirect effects of climate change will negatively affect the forest, as will the introduction of more harmful organisms. The threat to the forest from introduced organisms is already mounting today.
Challenge 5	The growing stock in the Swiss forest is increasing since the net increment is higher than the amount of timber used annually. In comparison to other European countries, the Swiss forest has a large growing stock. The amount of wood used can be above the net increment regionally and over short periods of time without endangering sustainability. A study on the wood use potential in Switzerland developed several usage scenarios and explored their consequences for forest management for the period 2016 to 2026. The study shows that 7.5 to 9 million cubic metres of wood can be felled annually without endangering sustainability.

**Goal II. European forests contribute to a green economy, including through increased provision of wood, other forest products and ecosystem services from sustainable sources**

Please describe a maximum of five major actions and measures taken towards achieving Goal II (maximum of 100 words per action, please). Please indicate, if an action or measure could be referenced as Best Practice Example.

Action / Measure 1	Forest Policy 2020, Strategic direction 1.1: forest managers shall be provided with expert decision support for optimal forest management (maximum possible exploitation of wood increment).
Action / Measure 2	Forest Policy 2020, Strategic direction 1.2: new processing and marketing options for hardwood shall be sought.
Action / Measure 3	Forest Policy 2020, Strategic direction 1.3: the demand for wood shall be increased inter alia through the dissemination of information and raising of awareness among the population and institutional end users (see Wood Resource Policy).
Action / Measure 4	
Action / Measure 5	

Please describe a maximum of five major remaining challenges to achieve Goal II (maximum of 100 words per challenge, please)

Challenge 1	The sustainably harvestable wood harvest potential is not being fully exploited as, for decades now, the volume of wood being harvested is lower than increment (particularly in private and mountain forests).
Challenge 2	The price pressure arising from increasingly scarce public funding and the problem of volatile wood prices render significant organisational adaptations necessary.
Challenge 3	The forestry sector with its very small-scale ownership and management structures has reacted hesitantly to this changing environment up to now.
Challenge 4	The upholding of traditions and the lack of entrepreneurial thinking and action have made it more difficult to make the necessary changes.

Challenge 5	Efficient forestry operations and forestry managers, however, are a precondition for the provision of numerous forest services desired by the economy (e.g. wood production) and society (e.g. protective forest service, biodiversity, recreation) and for success on wood markets.
-------------	--

**Goal III. Forest management in Europe is being adapted to changes in climate, forests are healthy and resilient to natural hazards and protected against human-induced threats such as forest fires, and the productive and protective functions of forests are maintained**

Please describe a maximum of five major actions and measures taken towards achieving Goal III (maximum of 100 words per action, please). Please indicate, if an action or measure could be referenced as Best Practice Example.

Action / Measure 1	Forest Policy 2020, Strategic direction 2.1: the impacts of climate change (storms, drought etc.) on the forest shall be studied and the suitability of the silviculture methods used shall be examined.
Action / Measure 2	Forest Policy 2020, Strategic direction 2.2: the resilience of the forest shall be improved through adapted young forest maintenance with stable young stands suited to their locations. Targeted measures shall be carried out to adapt forest stands with insufficient or unsuitable regeneration and unstable stands, and stands in climate-sensitive locations.
Action / Measure 3	Forest Policy 2020, Strategic direction 2.3: Measures for prevention, removal and reforestation following events involving disturbance or damage shall be supported.
Action / Measure 4	Forest Policy 2020, Strategic direction 3.1: Protective forest areas are designated in spatial planning terms in accordance with a national strategy developed jointly by the Confederation and the cantons (SilvaProtect-CH). Forest Policy 2020, Strategic direction 3.2: The Confederation shall conclude multiannual programme agreements with the cantons in the area of protective forests in accordance with the New Financial Equalisation NFE.
Action / Measure 5	Forest Policy 2020, Strategic direction 8.1: gaps in the prevention and control of biotic hazards shall be identified and filled. Effective crisis management, including the necessary infrastructure (e.g. laboratory), shall be developed. Forest Policy 2020, Strategic direction 8.2: prevention, remediation and reforestation measures in the case of disturbance or damage shall also be intensified outside of protective forests.

Please describe a maximum of five major remaining challenges to achieve Goal III (maximum of 100 words per challenge, please)

Challenge 1	Confederation must deal with the question as to how the existence of a forest ecosystem and its services can be guaranteed 100 years from now. The forest, its products and services are broadly affected by climate change.
Challenge 2	The changes in the climate are likely to have a strong impact on forest ecosystems (storms, drought, forest fires, biotic calamities). The changes threaten to unfold at a speed that outpaces the natural adaptation processes.
Challenge 3	The protective forest protects not only the roads, railway tracks and buildings located directly below it, it also has an impact beyond its local environment on entire regions and, sometimes, the entire country of Switzerland (for example when transport routes are interrupted). For various reasons, the protective effect of the forests is under threat (maintenance deficits, lack of regeneration etc.).
Challenge 4	Biotic hazards are on the increase. The causes of this development include the rise in global trade and mobility and climate change. These developments will become even more pronounced in future and the forest will not evade the consequences. Hence, the damage caused to forests by harmful organisms may result in a threat to forest services.
Challenge 5	

**Goal IV. The potential of European forests to mitigate climate change, through carbon sequestration in trees and soils, carbon storage in forest products and substitution of non-renewable materials and energy sources, is utilised to minimise Europe’s ecological footprint without harming the global carbon balance**

Please describe a maximum of five major actions and measures taken towards achieving Goal IV (maximum of 100 words per action, please). Please indicate, if an action or measure could be referenced as Best Practice Example.

Action / Measure 1	Forest Policy 2020, Strategic direction 1.3: The demand for wood shall be increased inter alia through the dissemination of information and raising of awareness among the population and institutional end users (see Wood Resource Policy).
Action / Measure 2	Forest Policy 2020, Strategic direction 2.4: the use of wood shall be boosted as a contribution to clean technologies (cleantech).
Action /	

Measure 3	Wood Resource Policy with Wood Action Plan focussed on three priority measures: 1. Optimised cascade use; 2. Climate-appropriate building and refurbishment; 3. Communication, knowledge transfer and cooperation.
Action / Measure 4	Forest Policy 2020, Strategic direction 6.2: Information bases shall be developed and conditions established so that forest services provided by the forest owners can be valorised (e.g. for recreation, drinking water, CO2 sink services).
Action / Measure 5	The Swiss Government had the Swiss forest's performance as a sink registered as a credit during commitment period of the Kyoto Protocol.

Please describe a maximum of five major remaining challenges to achieve Goal IV (maximum of 100 words per challenge, please)

Challenge 1	The increase in growing stock and forest area means that the Swiss forest still acts as a so-called carbon sink, which means it stores more carbon than it releases. The question is whether this will remain the case in future. Climate change could lead to an increase in extreme events like forest fires, storms or droughts, which would restrict the Swiss forest's performance as a sink, at least temporarily.
Challenge 2	Even though forest sinks are very important for the national economy, forest owners are not able to benefit from the services they provide because there are no appropriate regulations for compensation at a national level. This means that access to the so-called compliance market with internationally tradable certificates is blocked. The only option forest owners have is to sell their sink services on the voluntary market. The price of a tonne of CO2, however, varies greatly.
Challenge 3	Wood from the forest can continue to perform a climate-friendly function as the greatest CO2 saving effect can be reached if the potential for sustainable use of the wood is fully exploited and the wood used in cascade, i.e. if the Wood is first used to build houses and make furniture, and then burnt at the end of its life cycle.
Challenge 4	
Challenge 5	

### **Goal V. The loss of forest biodiversity in Europe is halted and degraded forests are restored or rehabilitated**

Please describe a maximum of five major actions and measures taken towards achieving Goal V (maximum of 100 words per action, please). Please indicate, if an action or measure could be

referenced as Best Practice Example.

Action / Measure 1	Federal act on forest (see art. 20 Forest management principles): in Switzerland, forests are managed using a near-natural management approach as required by the Forest Act. Promoting species through forest management; forest management is increasingly promoting near-natural mixed broadleaf forests. Natural regeneration has economic and ecological advantages over planting. In Switzerland it has increased markedly.
Action / Measure 2	Forest Policy 2020, Strategic direction 4.1: management of all forest area shall be carried out in accordance with the legal requirements for near-natural silviculture.
Action / Measure 3	Forest Policy 2020, Strategic direction 4.2: programme agreements are concluded with the cantons for the designation of protected areas (10% forest reserves by 2030 in accordance with agreement with the cantons) and upgrading of priority habitats (also known as priority areas; forest margins, wooded pastures etc.).
Action / Measure 4	Forest Policy 2020, Strategic direction 4.3: Regional biodiversity objectives shall be defined and a finance system developed to compensate the services provided by forest managers in the fulfilment of the objectives. In this context the Confederation adopt and implement the support to the execution "Biodiversität im Wald: Ziele und Massnahmen" (biodiversity in forests: Targets and measures). This is also related to the Swiss Biodiversity Strategy and Action Plan.
Action / Measure 5	Forest Policy 2020, Strategic direction 5.1: prohibition on deforestation (see also Federal act on forest art. 4 and 5); the prohibition on deforestation with the possibility for the granting of exceptional permits shall be upheld, and the discretion for the granting of exceptional deforestation permits shall be exhausted.

Please describe a maximum of five major remaining challenges to achieve Goal V (maximum of 100 words per challenge, please)

Challenge 1	Despite these positive developments, some problem points still remain. Thus open forests and late phases of forest development with old trees and deadwood are rare in the lowlands, and the total number of vulnerable species has not decreased.
Challenge 2	Many forests are in an optimum phase with ample standing volume and are, therefore, dark and cool. Hence light and heat-loving species can find fewer suitable habitats.
Challenge 3	

	Forest area in intensively used areas (in particular the Central Plateau and Alpine centres) is under severe pressure from settlements and infrastructure.
Challenge 4	In mountain regions, forest is expanding, in particular as a result of the abandonment of agricultural activities. This development can be associated with the loss of ecologically valuable cultural landscapes, on the one hand, and the improvement of protection against natural hazards, on the other.
Challenge 5	Under special environmental conditions, non-native species may spread invasively. The spread of invasive neophytes that cause damage to biodiversity, health and/or the economy must be prevented

### **Goal VI. The role of forests in combating the progress of desertification is strengthened**

Please describe a maximum of five major actions and measures taken towards achieving Goal VI (maximum of 100 words per action, please). Please indicate, if an action or measure could be referenced as Best Practice Example.

Action / Measure 1	Switzerland's international forest policy: Switzerland's policy is guided by the goals of sustainable forest management (SFM). Switzerland wishes to share its own experience of SFM with other countries and to promote communication, especially on new issues such as the impact of climate change on forests.
Action / Measure 2	Switzerland's international forest policy: Switzerland advocates REDD+ in developing countries
Action / Measure 3	Switzerland's international forest policy: One aspect of Switzerland's international forest policy concerns the multilateral level of global forest-related conventions and processes. Policy is formulated and implemented under the leadership of FOEN and in close cooperation with the Swiss Agency for Development and Cooperation (SDC) and the State Secretariat for Economic Affairs (SECO). In addition, at European level there are various processes that are essential for Switzerland's forest and timber policy.
Action / Measure 4	Forest Policy 2020, Strategic direction 12.3: Intersectoral partnerships shall be strengthened and synergies with other (national and international) policy and economic sectors established.
Action / Measure 5	Forest Policy 2020, Strategic direction 12.4: International exchange and the participation in international processes (e.g. climate negotiations, negotiations on a European forest convention) shall be ensured.

Please describe a maximum of five major remaining challenges to achieve Goal VI (maximum of 100

words per challenge, please)

Challenge 1	The signs of the effects of climate change on forests are becoming apparent in Switzerland and worldwide. How severe the changes will really turn out to be is difficult to predict. This constitutes a difficult situation for the forest manager as, depending on the scenario, it is questionable how well today's tree species will be adapted to the environmental conditions expected in 50 to 100 years.
Challenge 2	Ressources for measures against desertification in others countries are limited (inside Switzerland the desertification is not a matter).
Challenge 3	
Challenge 4	
Challenge 5	

**Goal VII. Socioeconomic and cultural benefits, especially for livelihoods, rural development and employment from European forests are optimised**

Please describe a maximum of five major actions and measures taken towards achieving Goal VII (maximum of 100 words per action, please). Please indicate, if an action or measure could be referenced as Best Practice Example.

Action / Measure 1	Forest Policy 2020, Strategic direction 11.1: The actors involved in forestry education and training, research and practice shall be brought together to ensure high quality education and training at university and vocational education level in the long term.
Action / Measure 2	Forest Policy 2020, Strategic direction 11.2: The continuing education and training of experts in the forest sector shall be ensured. Forest Policy 2020, Strategic direction 11.3: The transfer and exchange of knowledge between research and practice shall be improved.
Action / Measure 3	Forest Policy 2020, Strategic direction 11.4: The work safety and health protection of forestry workers and the raising of awareness of these requirements shall be ensured.
Action / Measure 4	Forest Policy 2020, Strategic direction 11.5: The awareness of the forest and its sustainable development shall be strengthened.
Action / Measure 5	Forest Policy 2020, Strategic direction 12.3: Intersectoral partnerships shall be strengthened and synergies with other (national and international) policy and economic sectors established. Forest Policy 2020, Strategic direction 12.5: Trust and

	understanding shall be fostered within the forestry and timber sectors and with the population through information and dialogue.
--	--

Please describe a maximum of five major remaining challenges to achieve Goal VII (maximum of 100 words per challenge, please)

Challenge 1	The extensive fragmentation of the Swiss forest makes managing it laborious and costly. Through increased co-operation and improved management methods, however, it can be made more cost-effective and efficient.
Challenge 2	The economic situation of Switzerland's forest enterprises remains difficult: they have been working with an annual deficit since the 1990s. The conditions on the international market are not favourable for Swiss forestry and the wood industries. Forest management costs cannot be reduced to the extent required to compensate for falling revenues from selling wood. Forestry and the wood industries both need better market conditions and further measures for reducing costs and developing new sources of income.
Challenge 3	The education system must be adapted constantly to the new challenges and shall guarantee sufficient numbers of highly qualified experts on all levels. The focus is on systematic foresight and environmental observation and applied research, the ongoing updating of core forest competencies, the intensification of the alliance between research, education and practice, the continuity of knowledge transfer, further training and exchange of information (e.g. in the area of work safety, working conditions), and various public relations measures (including forest education).
Challenge 4	Forest enterprises have one of the highest risks for serious accidents at work. In comparison to 2005 the number of occupational accidents in the forest has been reduced, but the number of fatal accidents has, however, risen.
Challenge 5	The general public's knowledge about the existing cultural heritage relevant to the forest is increasing in Switzerland, but remains patchy. No comprehensive overview exists.

### **Goal VIII. Illegal logging and associated trade in wood and other forest products are eliminated in Europe;**

Please describe a maximum of five major actions and measures taken towards achieving Goal VIII (maximum of 100 words per action, please). Please indicate, if an action or measure could be referenced as Best Practice Example.

Action / Measure 1	
--------------------	--

	Confederation defined and implement the Ordinance on the Declaration for Timber and Timber Products. This Ordinance regulates duties to declare in respect of timber and timber products supplied to consumers and the verification of that declaration.
Action / Measure 2	Confederation is working on the Wood trade regulation (EUTR/CHTR, AOC, duty to declare). This is related to the European Timber Regulation» (EUTR).
Action / Measure 3	Confederation supported the campaign #WOODVETIA; See: <a href="http://www.woodvetia.ch">www.woodvetia.ch</a> (not in english). This promoted the information about swiss wood and SFM.
Action / Measure 4	Confederation support the Lignum "Holzwirtschaft Schweiz ist die Dachorganisation der Schweizer Wald- und Holzwirtschaft" and the Lignum promote the label "Herkunftszeichen Schweizer Holz" (origin label swiss wood).
Action / Measure 5	

Please describe a maximum of five major remaining challenges to achieve Goal VIII (maximum of 100 words per challenge, please)

Challenge 1	The implemenation of new regulations need also new ressources to fulfill the controlsystem.
Challenge 2	
Challenge 3	
Challenge 4	
Challenge 5	

### European 2020 Targets for Forests

During the FOREST EUROPE Ministerial Conference held in 2011 in Oslo, Norway, ministers responsible for forests in Europe adopted also nine "European 2020 Targets for Forests". These targets are supposed to be achieved by 2020 and the below questions focus on information related to the extent of achievement.

### Target I. All European countries have developed and are implementing

**national forest programmes, or its equivalent, in line with the shared vision and goals and the pan-European approach to national forest programmes**

Please describe a maximum of five major actions and measures taken to achieve Target I (maximum of 100 words per action, please). Please indicate, if an action or measure could be referenced as Best Practice Example.

Action / Measure 1	Confederation has and is implementin the Forest Policy 2020.
Action / Measure 2	Confederation as adopt 13 basic indicators to reporting about SFM. The indicator's system is based on the Forest Europe Indicators for SFM.
Action / Measure 3	Confederation has and is implementing the wood ressource Policy.
Action / Measure 4	Confederation has the National Fiscal Equalisation (NFE) to support SFM with the Cantons on regionala/local Level. This financial system allow the implementation of Targets, Strategic Directions and Measures that has define in the Forest Policy 2020.
Action / Measure 5	

Do you consider the target to be achieved at national level?

- Target fully achieved
- On track to achieve target (we expect to achieve the target by 2020)
- Progress to achieve target (but we do not expect to achieve the target by 2020)
- No progress

If not fully achieved, please describe a maximum of five major remaining challenges to achieve Target I (maximum of 100 words per challenge, please).

Challenge 1	The new plan of measures must be define for the forest policy after the years 2020.
Challenge 2	Calibration of the forest policy after 2020 with others sectorial politics.
Challenge 3	Improve the implementation of the forest policy with the stakeholders for the years after 2020.
Challenge 4	

Challenge 5	

**Target II. In addressing emerging issues forest knowledge is improved through research, education, innovation, information sharing and communication**

Please describe a maximum of five major actions and measures taken to achieve Target II (maximum of 100 words per action, please). Please indicate, if an action or measure could be referenced as Best Practice Example.

Action / Measure 1	The basic apprenticeship for working in forestry ends with the award of a Confederate Certificate of Competency as a qualified forest worker. Once completed, numerous other career paths are open. The academic path can be followed after completion of the high school diploma and is offered at the ETH Zurich (Swiss Federal Institute of Technology) or at the School of Agricultural, Forest and Food Sciences HAFL.
Action / Measure 2	The FOEN's environmental research forms an essential basis for efficient and effective environmental and resource policy. It provides the principles on which measures can be taken, and is designed to enable new environmental problems to be identified early, to develop innovative environmentally and resource-friendly technologies, and to demonstrate the opportunities and risks of new technologies. In the FOEN's environmental research there is also a part on forest Research.
Action / Measure 3	Federal act on forest, Art. 29 Duties of the Confederation in matters of education and training. Federal act on forest, Art. 30 Duties of the cantons in the areas of training and advice Federal act on forest, Art. 31 Research and development
Action / Measure 4	
Action / Measure 5	

Do you consider the target to be achieved at national level?

- Target fully achieved
- On track to achieve target (we expect to achieve the target by 2020)
- Progress to achieve target (but we do not expect to achieve the target by 2020)
- No progress

If not fully achieved, please describe a maximum of five major remaining challenges to achieve Target II (maximum of 100 words per challenge, please).

Challenge 1	The situational analysis in the Forest Report 2015 shows that forest monitoring in a quickly changing environment is important. Long-term observation time series are, namely, essential for the early detection of environmental changes, the analysis of the underlying ecosystem processes and checking the effectiveness of management measures. The existing monitoring networks must therefore be safeguarded.
Challenge 2	In coming years, forest research will also be confronted with themes like environmental and climate change, as well as the energy transition.
Challenge 3	In forestry, the necessary basis must be developed to improve the efficiency of management and to expedite the quantification of the services performed and make them more visible.
Challenge 4	For the future, scientifically sound bases, scenarios and approaches are therefore needed to optimize the performance of different forest services in the framework of integrated planning and to use synergies so that the public's future Needs in the forest can be met.
Challenge 5	

**Target III. In response to political objectives on the use of renewable raw material and energy in Europe, the supply of wood and other forest products from sustainably managed forests has increased substantially**

Please describe a maximum of five major actions and measures taken to achieve Target III (maximum of 100 words per action, please). Please indicate, if an action or measure could be referenced as Best Practice Example.

Action / Measure 1	The concept of sustainability was first presented at the world summit in Rio de Janeiro in 1992, and was then adopted by the Swiss Federal Council.
Action / Measure 2	A sustainable form of forest management aims to maintain indigenous forest ecosystems and fulfil the public's current and future needs in the forest. The Swiss federal Act on forest acknowledges – as a basic condition – that it is not only people's needs and resulting demands that set the standards, but also the long-term provision of the following services society requires of the forest: a) the forest should be preserved in area and spatial distribution; b) t should be protected as a near-natural

	community; c) it should be able to fulfil its main functions, namely those of providing protection, wellbeing and utility.
Action / Measure 3	Federal act on forest art. 20 Forest management principles and Ordinance on Forest art. 18 Forestry planning define the principle for the planing system to ensure the SFM with consideration of the forest functions.
Action / Measure 4	Forest Policy 2020, Strategic direction 12.2: supra-operational forest planning shall be promoted in the context of the programme agreements with the cantons. This will enable the comparison of interests between the demands for forest services (e.g. protective forest versus forest reserves), in conflict resolution and in the guaranteeing of sustainability.
Action / Measure 5	

Do you consider the target to be achieved at national level?

- Target fully achieved  
 On track to achieve target (we expect to achieve the target by 2020)  
 Progress to achieve target (but we do not expect to achieve the target by 2020)  
 No progress

If not fully achieved, please describe a maximum of five major remaining challenges to achieve Target III (maximum of 100 words per challenge, please).

Challenge 1	The SFM has qualitativ ensured but the quantitative objective of the forest policy 2020 "potential offered by sustainably harvestable wood shall be exhausted" is still not achieved.
Challenge 2	
Challenge 3	
Challenge 4	
Challenge 5	

**Target IV. The full value of forest ecosystem services across Europe is being estimated with a view to using common valuation approaches, and that values are increasingly reflected in relevant national policies and market-based instruments such as payments for ecosystem services**

Please describe a maximum of five major actions and measures taken to achieve Target IV (maximum of 100 words per action, please). Please indicate, if an action or measure could be referenced as Best Practice Example.

Action / Measure 1	Both the federal government and the cantons have agreed on programmes that promote collaboration between forest owners.
Action / Measure 2	Forest policy 2020, strategic direction 6.2: Information bases shall be developed and conditions established so that forest services provided by the forest owners can be valorised (e.g. for recreation, drinking water, CO2 sink services).
Action / Measure 3	Forest policy 2020, strategic direction 6.2, stage 1: In accordance with the current efforts to establish integrated national welfare measurement in the context of the “green economy” programme, the Confederation shall examine the benefits arising from the extension of the current macro-economic monitoring of the forestry sector (Forstwirtschaftliche Gesamtrechnung FGR [national forestry accounts]) to a comprehensive integrated economic-ecological national account for the forest.
Action / Measure 4	Forest policy 2020, strategic direction 6.2, stage 2: The Confederation shall develop decision-making supports for dealing with possible synergies or problems arising in relation to land-use conflicts in the forest (land use versus protected areas and reserves, land use losses in recreational forests etc.).
Action / Measure 5	An inventory of relevant final ecosystem goods and services has been drawn up and given indicators in Switzerland. The inventory is checked for completeness, consistency and relevance using the international classification systems Millennium Ecosystem Assessment (MA) and Common International Classification of Ecosystem Services (CICES), as well as through consultation with experts.

Do you consider the target to be achieved at national level?

- Target fully achieved
- On track to achieve target (we expect to achieve the target by 2020)
- Progress to achieve target (but we do not expect to achieve the target by 2020)
- No progress

If not fully achieved, please describe a maximum of five major remaining challenges to achieve Target IV (maximum of 100 words per challenge, please).

Challenge 1	Forestry and the wood industries both need better market conditions and further measures for reducing costs and developing new sources of income.
Challenge 2	Efficient forestry operations and forestry managers, however, are a precondition for the provision of numerous forest services desired by the economy (e.g. wood production) and society (e.g. protective forest service, biodiversity, recreation) and for success on wood markets.
Challenge 3	Forest Policy 2020, strategic direction 12.3: Intersectoral partnerships shall be strengthened and synergies with other (national and international) policy and economic sectors established.
Challenge 4	
Challenge 5	

**Target V. All European countries include strategies for forests and climate change adaptation and mitigation in national forest programmes or equivalents and all other relevant national strategies**

Please describe a maximum of five major actions and measures taken to achieve Target V (maximum of 100 words per action, please). Please indicate, if an action or measure could be referenced as Best Practice Example.

Action / Measure 1	Confederation has a strategy to Climate change adaptation in Switzerland with also an action plan.
Action / Measure 2	Forest Policy 2020: objective 2: Climate change: mitigation and adaptation shall be guaranteed. Strategic directions and measures are defined for this objective.
Action / Measure 3	Federal act on forest, art. 28a Action against climate change: the Confederation and cantons shall take measures to provide sustainable support to the forest in its functions, even under changed climatic conditions. It means that measures are taken at national and subnational Level (Canton).
Action / Measure 4	FOEN and WSL's research programme "Forest and Climate Change" ist completed.

Action / Measure 5	
--------------------	--

Do you consider the target to be achieved at national level?

- Target fully achieved
- On track to achieve target (we expect to achieve the target by 2020)
- Progress to achieve target (but we do not expect to achieve the target by 2020)
- No progress

If not fully achieved, please describe a maximum of five major remaining challenges to achieve Target V (maximum of 100 words per challenge, please).

Challenge 1	Implementation and further interpretation of the results of the research programme "Forest and Climate Change".
Challenge 2	
Challenge 3	
Challenge 4	
Challenge 5	

**Target VI. The rate of loss of forest biodiversity at habitat level is at least halved and where feasible brought close to zero, and measures are taken to significantly reduce forest fragmentation and degradation and to restore degraded forests**

Please describe a maximum of five major actions and measures taken to achieve Target VI (maximum of 100 words per action, please). Please indicate, if an action or measure could be referenced as Best Practice Example.

Action / Measure 1	Definition and implementation of Swiss Biodiversity Strategy and Action Plan.
Action / Measure 2	Definition and implementation of the support to the execution "Biodiversität im Wald: Ziele und Massnahmen" (biodiversity in forests: Targets and measures).

Action / Measure 3	Federal act on forest, art. 38 Biological diversity of the forest: the Confederation shall provide financial assistance for measures that contribute to the conservation and improvement of biological diversity in the forest, in particular for: a) the protection and maintenance of forest reserves and other ecologically valuable forest habitats; b) the fostering of biodiversity and genetic diversity of the forest; c) the connectivity of forest habitats; d) the conservation of traditional forms of forest management.
Action / Measure 4	Forest Policy 2020: objective 4: Biodiversity shall be conserved and improved in a targeted way. Strategic directions and measures are defined for this objective.
Action / Measure 5	

Do you consider the target to be achieved at national level?

- Target fully achieved
- On track to achieve target (we expect to achieve the target by 2020)
- Progress to achieve target (but we do not expect to achieve the target by 2020)
- No progress

If not fully achieved, please describe a maximum of five major remaining challenges to achieve Target VI (maximum of 100 words per challenge, please).

Challenge 1	To achieve the objective of the forest Policy 2020 the commitment of the forest owners is request.
Challenge 2	The are differences in the implementation of the national strategy and measures in the Cantons.
Challenge 3	Impact of Climate change and protection of forests against harmful organisms. Impact of invasive pests and pathogens. Impact of invasive Neophyten.
Challenge 4	
Challenge 5	

## Target VII. The role of forests in combating desertification is fully

## recognised and forests are also managed to that end

Please describe a maximum of five major actions and measures taken to achieve Target VII (maximum of 100 words per action, please). Please indicate, if an action or measure could be referenced as Best Practice Example.

Action / Measure 1	Desertification doesn't concerne the swiss forests. Nevertheless the Confederation is engaged with the own international forest policy.
Action / Measure 2	Forest Policy 2020, strategic direction 11.5: The awareness of the forest and its sustainable development shall be strengthened. Forest Policy 2020, strategic direction 11.5, stage 1-2: The Confederation implement awareness-raising measures (communication campaigns, newsletters, information packages for various target groups, presence at trade fairs etc.).
Action / Measure 3	Forest Policy 2020, strategic direction 12.4: International exchange and the participation in international processes (e.g. climate negotiations, negotiations on a European forest convention) is ensured.
Action / Measure 4	
Action / Measure 5	

Do you consider the target to be achieved at national level?

- Target fully achieved
- On track to achieve target (we expect to achieve the target by 2020)
- Progress to achieve target (but we do not expect to achieve the target by 2020)
- No progress

If not fully achieved, please describe a maximum of five major remaining challenges to achieve Target VII (maximum of 100 words per challenge, please).

Challenge 1	
Challenge 2	
Challenge 3	
Challenge 4	

Challenge 5	

**Target VIII. All European countries have policies and measures which ensure a significant increase in socio-economic and cultural benefits, especially for human health, livelihoods, rural development and employment from forests**

Please describe a maximum of five major actions and measures taken to achieve Target VIII (maximum of 100 words per action, please). Please indicate, if an action or measure could be referenced as Best Practice Example.

Action / Measure 1	Forest policy 2020, measures under objectives: 10. The use of the forest for leisure and recreation shall be respectful 11. Education, research and knowledge transfer shall be guaranteed
Action / Measure 2	
Action / Measure 3	
Action / Measure 4	
Action / Measure 5	

Do you consider the target to be achieved at national level?

- Target fully achieved
- On track to achieve target (we expect to achieve the target by 2020)
- Progress to achieve target (but we do not expect to achieve the target by 2020)
- No progress

If not fully achieved, please describe a maximum of five major remaining challenges to achieve Target VIII (maximum of 100 words per challenge, please).

Challenge 1	Not all the elements of target VIII are implemented with concrete measures in the forest policy 2020. More efforts are needed for cultural benefits, especially for human health and rural development.
-------------	---

Challenge 2	Others partners (e.g. from agriculture or health) should be more engaged together with the forest sector.
Challenge 3	
Challenge 4	
Challenge 5	

### **Target IX. Effective measures are taken at regional, sub-regional and national levels to eliminate illegal logging and associated trade**

Please describe a maximum of five major actions and measures taken to achieve Target IX (maximum of 100 words per action, please). Please indicate, if an action or measure could be referenced as Best Practice Example.

Action / Measure 1	Based on the federal act on forests and on the cantonal acts on forests, the Cantons ensure the application of SFM principles.
Action / Measure 2	Federal act on forest: Art. 20 Forest management principles: 2) The cantons shall enact planning and management regulations; in doing this, they shall take into account the requirements of wood supply, near-natural silviculture and the protection of nature and cultural heritage.
Action / Measure 3	Federal act on forest: Art. 21 Wood harvesting Any person who wishes to fell trees requires a permit issued by the forestry service. The cantons may provide for exemptions.
Action / Measure 4	Each Cantons has a Forest Service with forest officials which ensure the implementation of the laws.
Action / Measure 5	

Do you consider the target to be achieved at national level?

- Target fully achieved
- On track to achieve target (we expect to achieve the target by 2020)

- Progress to achieve target (but we do not expect to achieve the target by 2020)
- No progress

If not fully achieved, please describe a maximum of five major remaining challenges to achieve Target IX (maximum of 100 words per challenge, please).

Challenge 1	<a href="#">Engagement to eliminate illegal logging in other countries.</a>
Challenge 2	
Challenge 3	
Challenge 4	
Challenge 5	

## Part 2: Reporting on the pan-European Qualitative Indicators

Reporting on pan-European Qualitative Indicators consists of five overall forest policy and governance indicators (Indicators 1-5) and indicators for policies, institutions and instruments related to 6 criteria for SFM (Indicators C1-6).

Please see Annex 1 for “Terms and Definitions”.

For reporting, please note the following:

1. All requests for responses are limited to approximately 100 words or 650 letters (including blank spaces) automatically in order to keep the analytical efforts within reasonable bounds. If you wish to provide more detail, please do so in a separate message.
2. Significant changes since 2014 will be analysed systematically. If no information is provided, that will be interpreted as “no significant change”.
3. Please provide further information on the measures taken, as deemed relevant, e.g. major partners in implementation, period, and budget involved experiences made (lessons learned, obstacles encountered and solutions).
4. Please provide the latest information available unless otherwise specified.
5. Please specify reference documents as follows: - Author or institution. Year of publication (if published). Title. Reference Number. Publisher, Link;
6. In terms of indicators C1-C6, please report only these changes in policies, institutions and instruments that are related specifically to the individual criteria, the overall status and changes related to the SFM should be reported under indicators 1-5.

### 2A: Forest Policy and Governance

The five overall Forest policy and governance indicators cover the overall policy approaches, institutions and instruments for implementation and communication of SFM:

1. National Forest Programmes (NFPs) or equivalent;
2. Institutional frameworks;
3. Legal/regulatory framework: National (and/or sub-national) and international commitments;
4. Financial and economic instruments;
5. Information and communication.

<b>1. National forest programmes (NFP) or equivalent</b>	
<b>NFP or equivalent process/documents for forest related dialogue, policy development &amp; implementation</b>	
Existence of NFP or equivalent process	<input checked="" type="checkbox"/> Yes, at national level <input type="checkbox"/> Yes, at subnational level <input type="checkbox"/> No <input type="checkbox"/> Under elaboration

<p>Main formal decision making body of the process</p>	<p><input type="checkbox"/> Ministry responsible for forestry  <input type="checkbox"/> Body with members other than Ministry responsible for forestry  <input checked="" type="checkbox"/> Other. Please specify:</p> <p>The ministry responsible for forestry is: the Federal Councillor Head of the Federal Department of the Environment, Transport, Energy and Communications (DETEC). The ministry decide together with the others member of the Federal Council.</p>	
<p>Significant changes related to the NFP or equivalent process since 2014</p>	<p><input type="checkbox"/> Yes  <input type="checkbox"/> No</p>	<p>If yes, please describe the reason/s for and type of changes [max.100 words]:</p>
	<p>The Forest Policy 2020 replaces the Swiss National Forest Programme (Swiss NFP1) of 2004. The new elements of the policy include, in particular, objectives in the area of climate change. Accordingly, the forest and forest management shall contribute to the mitigation of climate change through the increased harvesting and optimal use of the raw material wood. This will enable the improvement of Switzerland's CO2 balance and facilitate a greater contribution to the renewable energy supply. In addition, the forest shall be conserved as an adaptable ecosystem so that it can also provide its wideranging services in terms of protection against natural hazards and as supplier of wood, recreational space, habitats for animals and plants, and drinking-water under changing climate conditions.</p>	
<p>Key lessons learned on the NFP process or similar</p>	<p>Please specify [max. 100 words], particularly on the NFP principles related to NFP as iterative process, stakeholder participation and approaches to inter-sectoral coordination and collaboration:</p>	
	<p>In 2009, half way through its implementation period, the status of the attainment of the objectives and implementation of the measures defined in the programme were surveyed at federal level. New developments of relevance to the forest were identified. It emerged from this process that: . first, new topics had become relevant and; . second, some aspects of the policy field had changed considerably.</p>	

<p>Main forest policy document other than law (such as national forest programme, forest policy statement, strategy or other)</p>	<p>Name: <b>Forest policy 2020</b></p> <p>Internet link: <a href="https://www.bafu.admin.ch/bafu/en/home/topics/forest/publications-studies/publications/forest-policy-2020.html">https://www.bafu.admin.ch/bafu/en/home/topics/forest/publications-studies/publications/forest-policy-2020.html</a></p> <p>Starting year: <b>Forest Policy 2020, which was approved by the Federal Council in August 2011; Measures Canton and Confederation 2012; Publication 2013</b></p>			
<p>Inclusion of FOREST EUROPE (FE) instruments in the main forest policy document</p>	<ul style="list-style-type: none"> <li>○ FE definition of SFM</li> <li>○ FE criteria and indicators for SFM</li> <li>○ FE guidelines for NFPs</li> <li>○ FE Classification of Protected and Protective Forests and Other Wooded Land</li> <li>○ FE Pan-European Operational Level Guidelines for Sustainable Forest Management.</li> <li>○ FE Pan-European Guidelines for Afforestation and Reforestation</li> </ul>	<p>Yes explicit</p>	<p>Partially</p>	<p>No</p>
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

<p>Evaluation of the implementation of NFP or similar process</p>	<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Periodically, pre-specified in the main forest policy document</li> <li><input type="checkbox"/> Irregularly conducted</li> <li><input type="checkbox"/> Not specified</li> <li><input type="checkbox"/> Other:</li> </ul> <p><b>Implementation of measures: with annual report-table Target achievement: with controlling report each 5 years</b></p>
<p>Binding status of the main (other than law) forest policy document</p>	<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Compulsory</li> <li><input type="checkbox"/> Recommendatory</li> </ul>
<p>Allocation of financial resources for the implementation of NFP or equivalent document / process)</p>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Bulk allocation</li> <li><input type="checkbox"/> Goal-specified allocation</li> <li><input type="checkbox"/> Relying on external resources</li> <li><input type="checkbox"/> Not specified, not planned</li> <li><input checked="" type="checkbox"/> Other:</li> </ul>

	<p>Financial resources are primary based on the Federal Act on Forest. Then the transfer of financial resources from the Confederation to the Cantons occur with: multiannual programme agreements with the cantons based on the New System of Financial Equalisation and Division of Tasks between the Confederation and Cantons (NFE). In addition to NFE, the Confederation has also other possibility to finance measures for SFM.</p>	
<p>Significant changes related to the main forest policy document during last five years</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p>If yes, please describe the reason/s for and type of changes [max.100 words]</p>
	<p>The Forest policy 2020 was the base of the last update of the Federal act on forest, expetially for topics as climate change and forest protection.</p>	
<p>Existence of other overall policy instruments/ documents from the sector or other sectors that explicitly encourage SFM or address key forest policy issues</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Title: <a href="#">Webpage FOEN about strategy and measures of the Confederation</a></p> <p>Internet links: <a href="https://www.bafu.admin.ch/bafu/de/home/themen/wald/fachinformationen/strategien-und-massnahmen-des-bundes.html">https://www.bafu.admin.ch/bafu/de/home/themen/wald/fachinformationen/strategien-und-massnahmen-des-bundes.html</a></p>	
<p><b>Reporting notes</b></p>		
<p><sup>1</sup> “Formal NFP process” means a process which is formally and explicitly acknowledged and referred to as an “NFP process” acc. Vienna Resolution 1 (<a href="http://foresteurope.org/docs/MC/MC_vienna_resolutionV1.pdf">http://foresteurope.org/docs/MC/MC_vienna_resolutionV1.pdf</a>).</p>		

2. Institutional frameworks				
Government bodies and public organizations	Please specify the type of forest-related institutional arrangements according to their responsibility	Part of ministry	Sub-national ministries or similar bodies	Other bodies. Please specify below
	<ul style="list-style-type: none"> <li>- forest policy administration <input checked="" type="checkbox"/></li> <li>- legislative supervision &amp; enforcement <input checked="" type="checkbox"/></li> <li>- support to private forest management <input type="checkbox"/></li> <li>- management of public forests <input type="checkbox"/></li> <li>- forest management planning <input type="checkbox"/></li> <li>- forest inventory <input checked="" type="checkbox"/></li> <li>- research (Target 2) <input checked="" type="checkbox"/></li> <li>Other. Please specify: <input type="checkbox"/></li> </ul> <p style="margin-left: 20px; color: blue;">Municipality</p>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
Comments [max. 100 words]				
Important: Government bodies and organisations can be also involved at different levels but in this questionnaire only a choice is possible.				
Forest-related staff <sup>2</sup> Resources and capacity of government bodies and public organizations related to forests (Goals 7, Target 8)	Name or group/type <sup>1</sup> :		2017; Full time equivalent	
	<p style="margin-left: 20px; color: blue;">Federal Office for the Environment, Forest Division (federal level); Forest Services (cantonal level) and Comunal Administration</p>			
	Total			
	...of which forest administration <sup>3</sup>			
	...of which management of public forests			
	...of which public forest research, education and training institutions and other specialized agencies			
... of which other permanent or temporary workers				
Comments [max. 100 words]				
In addition to the federal administration the are the resources and capacities of the Cantons. Data n/a at the moment with this degrade of detail.				

<p>Significant changes in the institutional framework, public and private, during last 5 years</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, please describe and incl. reason/s for the changes [max. 100 words]</p> <p><a href="#">Update of the Federal act on forest, main focus climate change, forest protection and education.</a></p>
<p>Policies, objectives and measures/actions taken in:</p>	<p>Forest-related research (Target 2)</p> <p>Please explain [max. 100 words] and provide reference documents where relevant.</p> <p><a href="#">Forest research programm "Forest and climate change":  https://www.wsl.ch/en/forest/forests-and-climate-change/research-programme-forests-and-climate-change.html</a> Forest and Wood research fond:  <a href="#">https://www.bafu.admin.ch/bafu/de/home/themen/wald/fachinformationen/bildung-forschung-und-wissenstransfer/wald--und-holzforschungsfonds.html</a> National Research Programme "Resource Wood" (NRP 66):  <a href="#">http://www.nfp66.ch/en/Pages/Home.aspx</a> FOEN: Master Plan for Environmental Research:  <a href="#">https://www.bafu.admin.ch/bafu/en/home/topics/education/environmental-research.html</a> Forest Policy 2020, Strategic direction 11.6: The research requirement shall be recognised and communicated to the responsible research actors.</p>
	<p>Forest-related training and education (Target 2)</p> <p>Please explain [max. 100 words] and provide reference documents where relevant.</p> <p><a href="#">Forest Policy 2020, Strategic direction 11.1: the actors involved in forestry education and training, research and practice shall be brought together to ensure high quality education and training at university and vocational education level in the long term.</a> <a href="#">Forest Policy 2020, Strategic direction 11.2: The continuing education and training of experts in the forest sector shall be ensured.</a> <a href="#">Forest Policy 2020, Strategic direction 11.3: The transfer and exchange of knowledge between research and practice shall be improved.</a> <a href="#">shall be ensured.</a> <a href="#">Forest Policy 2020, Strategic direction 11.4: The work safety and health protection of forestry workers and the raising of awareness of these requirements shall be ensured.</a></p>
	<p>Forest-related capacity building in other institutional framework</p> <p>Please explain [max. 100 words] and provide reference documents where relevant.</p> <p><a href="#">The framework in the Cantons is an other important part in the forest policy system, which take part to capacity building.</a></p>
	<p>Comments [max. 100 words]</p> <p><a href="#">Implementation of the measures are also financiated with the programme agreements with Cantons based on the New System of Financial Equalisation and Division of Tasks between the Confederation and Cantons (NFE).</a></p>

## Reporting notes

1. Please provide aggregated figures for each group/type of organizations, including all levels of government. Publicly owned business entities should be excluded. Where it is impossible or inappropriate to separate the activities of publicly owned business entities from other public sector activities in forest sector, this should be noted and staff of the entities should be included in the table. Please specify in the space left for comments which institutions are included (or not) in the figures you provide.
2. Forest-related staff in public organizations includes human resources within public forest institutions at subnational level. This refers to professionals as well as administrative staff.
3. "Forest administration" includes the first three sub-categories mentioned in the previous part of the table, i.e. forest policy administration, legislative supervision & enforcement, and support to private forest management.

## Proportion of forest and other wooded land under a management plan or equivalent instrument

Forest-related management document	Use of document in the country		Forest area under document		Other wooded land area under document	
	Yes	No	Ha	%	Ha	%
• Management plan	<input checked="" type="checkbox"/>	<input type="checkbox"/>	665'500	0,51		
• Equivalent of management plan	<input checked="" type="checkbox"/>	<input type="checkbox"/>	40'800	0,03		
• Other forest-related type of management document/instrument at operational level	<input checked="" type="checkbox"/>	<input type="checkbox"/>	16'900	0,01		
Are forest management plans an obligatory instrument?					Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Are the forest-related management plans / equivalents / other types of management documents registered with official body?					Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Are the measures of forest management plans compulsory?				Yes <input type="checkbox"/>	Partially <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Do forest management plans regulate:				Yes	Partially	No
Volume of harvest				<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regeneration systems				<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reforestation species composition				<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tending and other silvicultural operations				<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Deadwood volume				<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Comments:

Other solutions as management plans narrower sense can be the reference for the forest management (e.g. projects or forest strategies). Data of Forest area under document: NFI 4b, state 2009/13, forest area; Equivalent of management plan = silvicultural project; other = other local plan (nature protection). In addition to the local management plans there are also the "regional plans". If we consider local management plans and regional plan we have totally 83,5% of the forest area with forestry plan. Forest area under document: Data from NFI 4b, State 2009/13; "Others" = silvicultura project + others local plans (nature protection). Contents of forest management plans are defined by the Cantons in details; so there is not a standard modell for what forest mangament plans regulate and so also the compulsory of the measures.

### Proportion of forest and other wooded land under third party certification schemes

Certification scheme	Use of scheme in the country		Forest area under scheme		Other wooded land area under scheme	
	Yes	No	Ha	%	Ha	%
• Forest Stewardship Council certification (FSC) scheme	<input checked="" type="checkbox"/>	<input type="checkbox"/>	21'100	34.5%		
• Programme for the Endorsement of Forest certification (PEFC)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	451'800	1.6%		
• Other international forest management certification	<input type="checkbox"/>	<input checked="" type="checkbox"/>	.	.		
• Other country specific management certification	<input checked="" type="checkbox"/>	<input type="checkbox"/>	.	.		
• Overlapping of certification schemes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	267'600	20.5%		
Comments:						

Other country specific management certification are possible at local/regional level; but no data at national level are available at the moment. Data about certification FSC and FSC are based on NFI Data State 2009/2013, Forest area; n/a for 563'400 ha (43.4%).

3. Legal/regulatory frameworks and international commitments		
Legal/regulatory frameworks		
General characteristics of legal/regulatory framework – formal authority on main forest matters is laid down	<input type="checkbox"/> in constitution <input type="checkbox"/> in legislation enacted by parliament <input type="checkbox"/> in administrative decrees / regulations <input checked="" type="checkbox"/> other: Legal/regulatory frameworks at level Federal Council	<input checked="" type="checkbox"/> at national level <input type="checkbox"/> at sub-national level <input type="checkbox"/> other:
Main forest and SFM related legal/regulatory act with national scope (e.g. Forest law, act, code or similar document)	Name and reference to legal document:	Federal act on forest (Forest act)
	Date of enactment:	4 October 1991
	Date of latest amendment:	Last update Forest act: 01.01.2017
Significant changes in the legal/regulatory framework during last 5 years	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, please describe and incl. reason/s for the changes [max. 100 words]  Update Federal Act on forest about climate change and Update financial system for measures in the silviculture about climate change and forest protection (multiannual programme agreements with the cantons based on the New System of Financial Equalisation and Division of Tasks between the Confederation and Cantons (NFE)) .	

International commitments				
Are the following FOREST EUROPE instruments explicitly referred to in the legal/regulatory act?	FOREST EUROPE Definition of SFM FOREST EUROPE C&I for SFM Other: please specify	Fully <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	Partially <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	No <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
Main international commitments related to forests signed by the country	CBD AICHI UNCCD UNFCCC Kyoto Protocol Paris Agreement Alpine Convention Carpathian convention  Other: Please specify	Yes <input checked="" type="checkbox"/> <input type="checkbox"/>	No <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	<a href="#">REDD+ (Reduction of Emissions from Deforestation and Forest Degradation); see also comments</a>
Significant initiatives undertaken during last 5 years in implementation of international commitments related to forests signed by your country	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  If yes, please describe and incl. reason/s for the changes [max. 100 words]  <a href="#">Actions to implement the Paris Agreement. See: Switzerland's climate policy, Implementation of the Paris Agreement:  https://www.bafu.admin.ch/bafu/en/home/topics/climate/publications-studies/publications/klimapolitik-der-schweiz.html</a>			
Comments	Please explain [max. 100 words] and provide reference documents where relevant.			

#### 4. FINANCIAL AND ECONOMIC INSTRUMENTS

Main characteristics of economic policy related to forests	<p>Please specify objectives of main measures taken to address economic aspects of <u>publicly owned forests</u> [max. 100 words]</p> <p>Objectives are defined in the multiannual programme agreements with the cantons based on the New System of Financial Equalisation and Division of Tasks between the Confederation and Cantons (NFE). Objectives are such as: Ensure the protection function of forests; conservation of biodiversity in forests; Ensure sustainable forest management.</p>
	<p>Please specify objectives of main measures taken to address economic aspects of <u>privately owned forests</u> or other [max. 100 words]</p> <p>Same as for publicly owned forests. The Confederation accord subventions to the Cantons and than the Cantons ensure the Transfer to the public and private owners</p>
Significant changes in economic policy related to forests (public and private) during the last five years	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, please describe and incl. reason/s for the changes [max. 100 words]</p> <p>Since 2017 the subventions has augmented mainly for measures with objective: adaptation to Climate change and forest protection.</p>
Comments	<p>Please explain [max. 100 words] and provide reference documents where relevant.</p> <p>At first adaptation of the Federal act on forests and than adaptation of the NFE-System (see above).</p>
State/federal forests management	<p>Please specify financial arrangements related to state-owned forests and their management</p> <p><input type="checkbox"/> Profit-making or financially self-sufficient forest management <input type="checkbox"/> Additional financial support from a state budget to forest management <input checked="" type="checkbox"/> Other. Please specify:</p> <p>State budget.</p>

Comments	Please explain [max. 100 words] and provide reference documents where relevant.
Government financial instruments applied to private forest management	<p>Please specify the use of financial instruments for private forests and their management. <i>For the EU Member States, please specify separately expenditure connected to the EU Rural Development Programme Funds.</i></p> <p><input checked="" type="checkbox"/> Grants/subsidies, Please specify:</p> <p style="padding-left: 20px;">See NFE-System: Confederation pay Grants/subsidies to the Cantons based on 4 years agreement. Each Canton than pay the performances of forest owner. Generally (not a rule) Confederation pay 40%, Canton 40% and than 20% others of the Costs for forest management and services.</p> <p><input type="checkbox"/> of which RDPF. Please specify:</p> <p><input type="checkbox"/> Loans. Please specify:</p> <p><input type="checkbox"/> Tax measures. Please specify:</p> <p><input type="checkbox"/> Other. Please specify:</p>
Comments	Please explain [max. 100 words] and provide reference documents where relevant.

Year: 2017		Total (million, national currency)	Of that private sources, if available (million, national currency)
Operational expenditure <sup>1</sup>			
Transfer payments to private forests <sup>2</sup>			
Cost of forest administration <sup>3</sup> (not including the costs associated with managing public forests):			
of which...	Forest administration		
	Public forest research		
	Forest education and training institutions		
	Other institutions. Please specify: Payments in NFE-System (private and public forests together) for: Protection forest, Biodiversity in forests, Forestmanagement.	119,9 Mio. only Confederation	
Total expenditure			

<p>If transfer payments are made to private forests, indicate for what specific objective(s) – Please tick all that apply.</p>	<input type="checkbox"/> Reforestation <input checked="" type="checkbox"/> Afforestation <input checked="" type="checkbox"/> Forest inventory and/or planning <input checked="" type="checkbox"/> Conservation of forest biodiversity <input type="checkbox"/> Protection of soil and water <input checked="" type="checkbox"/> Forest stand improvement <input checked="" type="checkbox"/> Climate change adaptation <input checked="" type="checkbox"/> Establishment or maintenance of protected areas <input type="checkbox"/> Recreation <input checked="" type="checkbox"/> Other, please specify: Protective forest management, Jung forests management, Biodiversity in forests
--	--

Comments	<p>Please explain [max. 100 words] and provide reference documents where relevant.</p> <p><a href="#">A complete catalogue of measures in German could be find here:</a></p>
<b>Reporting notes</b>	
<p>Please specify the <b>year</b> which the data refers to in the intended box.</p> <ol style="list-style-type: none"> <li><b>Operational expenditure</b> includes public and private domestic or external sources of finance (personnel, materials, operating costs) for operational forest activities (e.g. silvicultural and protective measures). It also includes expenditure on contract or outsourced activities. It also includes the operating costs associated with any forest sector incentive schemes.  It excludes public and private capital expenditure on investments in accordance with the national tax laws (construction and maintenance of forest roads, buildings; investments to equipment, tools, vehicles, machinery and technologies and other investments e.g. IT and/or intangible investments etc.). Data on capital expenditure are included in the questionnaire on quantitative indicators (indicator 6.4).  it should exclude the expenditure of publicly owned business entities. Where it is impossible or inappropriate to separate the activities of publicly owned business entities from other public sector activities in forest sector, this should be noted and expenditure of the entities should be included in the table. In this case, please specify in the space left for comments which institutions you included (or not).  It also excludes expenditure on: marketing; trade facilitation; or development projects, where forest is not the main focus of activities.</li> <li><b>Transfer payments to private forests</b> includes all government expenditures (including external) on direct financial incentives (grants or subsidies) paid to non-government and private-sector institutions, enterprises, communities or individuals operating in the forest sector to implement forest related activities. It excludes tax incentives; government loans; benefits in kind (free or subsidized materials and/or advice). It also excludes direct financial incentives available to all individuals and enterprises not specifically related to forest related activities (e.g. relocation grants, employment subsidies, general training grant schemes).</li> <li><b>Cost of forest administration</b> is government expenditure on public institutions solely engaged in the forest sector. It includes all public expenditure (including external) on implementing forest policy and legislation to the entire forest areas, mainly: expenditures for state administration bodies, support to other forest</li> </ol>	
<p>Are any types of Payments for Ecosystem Services (PES) schemes applied in your country?</p>	<p><input checked="" type="checkbox"/> Yes, at public level  <input type="checkbox"/> Yes, at private level  <input type="checkbox"/> No</p> <p>If yes, please describe and provide reference documents where relevant. [max. 100 words]</p> <p><a href="#">Since 2017 the subventions has augmented mainly for measures with objective: adaptation to Climate change and forest protection.</a></p>
<p>Note: Types of markets for example: Public payment schemes for private land owners; Formal markets with open trading between buyers and sellers; Self-organized private deals.</p>	

**5. Information and communication**

Main characteristics of informational means	<p>Is forest monitoring in your country sufficient for information and communication needs?</p> <p>If no, please specify:</p> <p><a href="#">At national level Yes, at local/regional level not</a></p>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Partially <input type="checkbox"/> No
	<p>Is there public access to forest inventory data?</p> <p>If yes or partially, please specify:</p>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Partially (e.g. just aggregated data) <input type="checkbox"/> No
	<p>Does an official (governmental) forest-related outreach and communication strategy exist?</p> <p>If yes, please provide reference:</p> <p><a href="#">Intern: Communication's concept for Forest Policy 2020. Communication campaign #woodvetia, see <a href="http://www.woodvetia.ch">www.woodvetia.ch</a></a></p>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Partially <input type="checkbox"/> No
	<p>Does a national report on the state of sustainable forest management exist?</p> <p>If yes or partially, please provide reference/link:</p> <p><a href="#">Forest Report 2005 and 2015.</a></p>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Partially <input type="checkbox"/> No
	<p>Is there a national platform for stakeholder participation in forest policy development and/or decision-making?</p> <p>If yes or partially, please specify:</p> <p><a href="#">Confederation coordinate the Forum Wald and Forum Holz, with participation of the stakeholders.</a></p>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Partially <input type="checkbox"/> No

<p>Significant changes in informational means during last five years</p>	<p><input checked="" type="checkbox"/> Yes  <input type="checkbox"/> No</p> <p>If yes, please describe and incl. reason/s for the changes [max. 100 words]</p> <p>Impact of the Climate change on forests; Importance of the Inland use of Swiss-Wood; Importance of forest land conservation in urban/periurban zones.</p>
<p>Significant changes in forest related communication during last five years</p>	<p><input checked="" type="checkbox"/> Yes  <input type="checkbox"/> No</p> <p>If yes, please describe and include reason/s for the changes [max. 100 words]</p> <p>Use of new communications channels and mediums.</p>
<p><b>Reporting notes</b></p>	

## 2B: Policies, institutions and instruments related to specific criteria

Part 2B requests additional information since the last reporting in 2014 on policies, institutions and instruments for individual criteria for SFM:

- C1. Maintenance and appropriate enhancement of forest resources and their contribution to global carbon cycles;
- C2. Maintenance of forest ecosystem health and vitality;
- C3. Maintenance and encouragement of productive functions of forests (wood and non-wood);
- C4. Maintenance, conservation and appropriate enhancement of biological diversity in forest ecosystems;
- C5. Maintenance and appropriate enhancement of the protective functions in forest management (notably soil and water);
- C6. Maintenance of other socioeconomic functions and conditions.

Criterion 1 Maintenance and appropriate enhancement of forest resources and their contribution to global carbon cycles	
Have policy objectives been formulated with respect to Criterion 1?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Please describe the policy objectives, including quantitative targets if any have been formulated	(max. 100 words, please)  Forest Policy 2020 obj. 2: Climate change: mitigation and adaptation shall be guaranteed. Indicator: CO2 balance of living and dead forest biomass, including forest soil; Target Value: Long-term level CO2 balance between the forest sink, wood use and wood substitution effects. Indicator: CO2 removal through wood use (m3/year); Target Value: Exploitation of increment (target values under development). Indicator: Substitution effect of all wood use; Target Value: Increasing of substitution effect by 1.2 million tonnes CO2 /year as compared with 1990
Please describe any institutional measures taken to achieve these objectives	(max. 100 words, please)  Generally: see dutie/roles of Confederation in the strategic directions in Forest Policy 2020 obj. 2. Research Programm "Forest and Climate Change". Collaboration with others politcs and sectors (eg. economy or agriculture).
What policy tools have been put in place to achieve these objectives (e.g. legal, financial, communication)?	(max. 100 words, please)  Update Federal Act on forest and Update NFE-System Programm Forest Management. Action Plan Wood and Wood Resource Policy update in year 2017. Definition of Switzerland's climate Policy. Measures related to the Wood Ressource Policy and Action plan.
Please describe	(max. 100 words, please)

achievements in the area of Criterion 1 over the past five years	Possibility of expenditure for silviculture with adaptation to Climate change. Financial support for measures included in the Wood Ressource Policy and Action plan.
What are the major challenges in the area of Criterion 1, and the major obstacles to achieving the policy objectives?	(max. 100 words, please)  Definition of a strategy "adaptation to Climate change for the Forests" in collaboration and coordinated with the Cantons.

Criterion 2 Maintenance of forest health and vitality	
Have policy objectives been formulated with respect to Criterion 2?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Please describe the policy objectives, including quantitative targets if any have been formulated	(max. 100 words, please)  Forest Policy 2020 obj. 7: Forest soil, drinking water and the vitality of the trees shall not be endangered Forest Policy 2020 obj. 8: The forest shall be protected against harmful organisms Details to quantitative Targets please see: <a href="https://www.bafu.admin.ch/bafu/en/home/topics/forest/publications-studies/publications/forest-policy-2020.html">https://www.bafu.admin.ch/bafu/en/home/topics/forest/publications-studies/publications/forest-policy-2020.html</a>
Please describe any institutional measures taken to achieve these objectives	(max. 100 words, please)  Generally: see dutie/roles of Confederation in the strategic directions in Forest Policy 2020 obj. 7.
What policy tools have been put in place to achieve these objectives (e.g. legal, financial, communication) ?	(max. 100 words, please)  Update Federal Act on Forest and other legals bases about forest protection; Update NFE-System Programm Forest Management. Publication of the Help to the execution (Vollzugshilfe) for forest protection with differents modules, see: <a href="https://www.bafu.admin.ch/bafu/de/home/themen/wald/publikation-en-studien/publikationen/vollzugshilfe-waldschutz.html">https://www.bafu.admin.ch/bafu/de/home/themen/wald/publikation-en-studien/publikationen/vollzugshilfe-waldschutz.html</a>
Please describe achievements in the area of Criterion 2 over the past five years	(max. 100 words, please)  Creation of plant protection laboratory at national Level. Collaboration between different sectors is gut, see: Swiss Forest Protection (WSS), Competence center on Forest Protection ( <a href="http://www.waldschutz.ch">www.waldschutz.ch</a> ). Successfully implemented control for Wood Import.
What are the	(max. 100 words, please)

<p>major challenges in the area of Criterion 2, and the major obstacles to achieving the policy objectives?</p>	<p>Continue to reduce the Nitrogen input on Forests. Diffusion of invasive plant species. New Introduced organisms with particularly high damage potential.</p>
---	---

Criterion 3 Maintenance and encouragement of productive functions of forests (wood and non-wood)	
<p>Have policy objectives been formulated with respect to Criterion 3?</p>	<p><input checked="" type="checkbox"/>Yes <input type="checkbox"/>No</p>
<p>Please describe the policy objectives, including quantitative targets if any have been formulated</p>	<p>(max. 100 words, please)</p> <p>Forest Policy 2020 obj. 5: Forest area shall be conserved Forest Policy 2020 obj. 6: The economic viability of the forestry sector shall be improved Details to quantitative Targets please see: <a href="https://www.bafu.admin.ch/bafu/en/home/topics/forest/publications-studies/publications/forest-policy-2020.html">https://www.bafu.admin.ch/bafu/en/home/topics/forest/publications-studies/publications/forest-policy-2020.html</a></p>
<p>Please describe any institutional measures taken to achieve these objectives</p>	<p>(max. 100 words, please)</p> <p>Generally: see dutie/roles of Confederation in the strategic directions in Forest Policy 2020 obj. 5 and 6.</p>
<p>What policy tools have been put in place to achieve these objectives (e.g. legal, financial, communication) ?</p>	<p>(max. 100 words, please)</p> <p>Update of Fedael Act on forest and Update of NFE-System Programm Forest Management.</p>
<p>Please describe achievements in the area of Criterion 3 over the past five years</p>	<p>(max. 100 words, please)</p> <p>Communication with all Partner of the value-chain about Forests and Wood, see <a href="http://www.woodvetia.ch">www.woodvetia.ch</a> New possibility for financial Sustain the basic infrastructure for forest management. In some Cantons implementation of new collaboration's form für forest management (e.g. union of forest owner in cooperative).</p>
<p>What are the major challenges in the area of Criterion 3, and the major obstacles to</p>	<p>(max. 100 words, please)</p> <p>Achive the economic sustainability of the forest management. Increase of the gap between Wood-Prices on markt and Costs of the forest management. Adapation of Forests to the Climate change (e.g. dry Periode summer 2018 caused loss of productivity and mortality of trees).</p>

achieving the policy objectives?	
----------------------------------	--

Criterion 4 Maintenance, conservation and appropriate enhancement of biological diversity in forest ecosystems	
Have policy objectives been formulated with respect to Criterion 4?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Please describe the policy objectives, including quantitative targets if any have been formulated	(max. 100 words, please)  Forest Policy 2020 obj. 4: Biodiversity shall be conserved and improved in a targeted way. Details to quantitative Targets please see: <a href="https://www.bafu.admin.ch/bafu/en/home/topics/forest/publications-studies/publications/forest-policy-2020.html">https://www.bafu.admin.ch/bafu/en/home/topics/forest/publications-studies/publications/forest-policy-2020.html</a>
Please describe any institutional measures taken to achieve these objectives	(max. 100 words, please)  Generally: see dutie/roles of Confederation in the strategic directions in Forest Policy 2020 obj. 4.
What policy tools have been put in place to achieve these objectives (e.g. legal, financial, communication)?	(max. 100 words, please)  Adopt the Swiss Biodiversity Strategy and Action Plan. Implement the helpt to the execution Biodiversity in Forests: objectives and measures (see: <a href="https://www.bafu.admin.ch/bafu/de/home/themen/biodiversitaet/publikationen-studien/publikationen/ziele-und-massnahmen-wald.html">https://www.bafu.admin.ch/bafu/de/home/themen/biodiversitaet/publikationen-studien/publikationen/ziele-und-massnahmen-wald.html</a> )
Please describe achievements in the area of Criterion 4 over the past five years	(max. 100 words, please)  Some indicators about biodiversity in Forests have a positive trend and these results indicate that the objectives of the forest Policy 2020 for biodiversity could be achieved.
What are the major challenges in the area of Criterion 4, and the major obstacles to achieving the policy	(max. 100 words, please)  Creation of more gross protected areas in urban regions. Definition and Financing of biodiversity objctives at regional Level (motivation of local actors should be verified). Koordination between more protection objects.

objectives?	
-------------	--

Criterion 5 Maintenance and appropriate enhancement of protective functions in forest management (notably soil and water)	
Have policy objectives been formulated with respect to Criterion 5?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Please describe the policy objectives, including quantitative targets if any have been formulated	(max. 100 words, please)  Forest Policy 2020 obj. 3: The protective forest service shall be guaranteed Details to quantitative Targets please see: <a href="https://www.bafu.admin.ch/bafu/en/home/topics/forest/publications-studies/publications/forest-policy-2020.html">https://www.bafu.admin.ch/bafu/en/home/topics/forest/publications-studies/publications/forest-policy-2020.html</a>
Please describe any institutional measures taken to achieve these objectives	(max. 100 words, please)  Generally: see dutie/roles of Confederation in the strategic directions in Forest Policy 2020 obj. 3.
What policy tools have been put in place to achieve these objectives (e.g. legal, financial, communication) ?	(max. 100 words, please)  Confederation and Cantons has multiannual programme agreements with the cantons in the area of protective forests in accordance with the New Financial Equalisation (NFE).
Please describe achievements in the area of Criterion 5 over the past five years	(max. 100 words, please)  Implementation of the system SilvaProtect-CHF: Definition of protective forestes in spatial planning terms in accordance with a national strategy developed jointly by the Confederation and the cantons. Update and extension of the NaiS-Guide (Sustainability in the protective forest).
What are the major challenges in the area of Criterion 5, and the major obstacles to achieving the policy objectives?	(max. 100 words, please)  Ensure that the objectiv about yearly Hectares of treated and influenced protective forest area will be achieved also in the future. Ensure the forest regeneration in climate change conditions.

Criterion 6 Maintenance of other socio-economic functions and conditions	
Have policy objectives been formulated with	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

respect to Criterion 6?	
Please describe the policy objectives, including quantitative targets if any have been formulated	(max. 100 words, please)  Forest Policy 2020 obj. 7: Forest soil, drinking water and the vitality of the trees shall not be endangered. Forest Policy 2020 obj. 10: The use of the forest for leisure and recreation shall be respectful Details to quantitative Targets please see: <a href="https://www.bafu.admin.ch/bafu/en/home/topics/forest/publications-studies/publications/forest-policy-2020.html">https://www.bafu.admin.ch/bafu/en/home/topics/forest/publications-studies/publications/forest-policy-2020.html</a>
Please describe any institutional measures taken to achieve these objectives	(max. 100 words, please)  Generally: see duties/roles of Confederation in the strategic directions in Forest Policy 2020 obj. 7.
What policy tools have been put in place to achieve these objectives (e.g. legal, financial, communication)?	(max. 100 words, please)  Confederation adopted the strategy for leisure and recreation in forests, see: <a href="https://www.bafu.admin.ch/bafu/de/home/themen/wald/fachinformationen/waldzustand-und-waldfunktionen/freizeit-und-erholung-im-wald.html#110_1478263224907__content_bafu_de_home_themen_the_ma-wald-und-holz_wald-und-holz--fachinformationen_waldzustand-und-waldfunktionen_freizeit-und-erholung-im-wald_jcr_content_par_tabs">https://www.bafu.admin.ch/bafu/de/home/themen/wald/fachinformationen/waldzustand-und-waldfunktionen/freizeit-und-erholung-im-wald.html#110_1478263224907__content_bafu_de_home_themen_the_ma-wald-und-holz_wald-und-holz--fachinformationen_waldzustand-und-waldfunktionen_freizeit-und-erholung-im-wald_jcr_content_par_tabs</a> Some Cantons introduced measures to sustain the recreation function of forests.
Please describe achievements in the area of Criterion 6 over the past five years	(max. 100 words, please)  About this criterion are measures in the sector communication and collaboration also included; about these measures more action was implemented with success.
What are the major challenges in the area of Criterion 6, and the major obstacles to achieving the policy objectives?	(max. 100 words, please)  More pressure and more interests on forests may be cause of conflicts that should be solved. Achieve a system for payment / financial support of the services which are related to the socio-economic functions of the forests.

## **2C: Supplementary information on selected major issues**

If you wish, provide similar brief information (policy objectives/targets, policy instruments, achievements, challenges), on specific areas not sufficiently covered in the sections before.

Possible areas, many of which touch more than one criterion, would include:

- legal/regulatory framework to combat illegal logging and associated trade of forest products
- Promotion of the use of sustainably produced forest products
- Water management and flood control through forests
- Forest recreation
- Sustainable forest workforce
- Occupational safety and health

1) Legal/regulatory framework to combat illegal logging and associated trade of forest products: Update of Legal base against illegal logging in Dezember 2018. 2) Promotion of the use of sustainably produced forest products: Confederation and Cantons define a set of 13 basic-indicators for the control of the sustainability in forests. 3) Forest recreation: part in the Forest Policy 2020, objectiv 10 (use of forest for leisure and recreation) 4) Sustainable forest workforce: part in the Forest Policy 2020, objectiv 11 (Education, Research and Knowledge) and NFE-System Programm Forest Management objectiv 5. 5) Occupational safety and Health: part in the Forest Policy 2020, objectiv 11 (Education, Research and Knowledge) and NFE-System Programm Forest Management objectiv 5.

---