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20-22 February 2019

Criteria and Indicators for Sustainable Forest Management for Armenia

Report of the second national
workshop “Criteria and Indicators
for Sustainable Forest Management
for Armenia”

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MEETING VENUE: YEREVAN, UN CONFERENCE HALL

Table of Contents

List of Abbreviations.....	3
1. Introduction	4
1.1. Development process of Criteria and Indicators in Armenia.....	4
2. Report of the 2 nd National Workshop C&I for SFM for Armenia	5
3. Presentations	5
4. Outcomes of group work on coherency and prioritisation.....	9
5. Factsheets elaboration and methodology of data collection	12
6. Final national criteria and indicator set for SFM.....	15
7. Next steps and identification of further support needs	17
Annex I. Agenda of the 2nd national workshop "Criteria and Indicators of Sustainable Forest Management for Armenia"	18
Annex II. List of participants.....	19

List of Abbreviations

C&I	Criteria and Indicators
FAO	Food and Agriculture Organization of the United Nations
GIS	Geographic Information System
GIZ	German Corporation for International Cooperation
MNP	Ministry of Nature Protection
RA	Republic of Armenia
RS	Remote sensing
SFM	Sustainable Forest Management
UNDP	United Nations Development Programme
UNECE	United Nations Economic Commission for Europe

1. Introduction

This report provides an overview of the outcomes of the 2nd national workshop on the development of a criteria and indicators set for sustainable forest management in Armenia, which took place in Yerevan, Armenia on 20-22 February 2019. Further, it outlines the development process of the national C&I set and explains the next steps ahead.

Forest resources of the Republic of Armenia

Now, the situation regarding preservation and regeneration of forests is a quite difficult in Armenia. During the years of economic and energy crisis (1990s), forest was one of the main natural resources that was over exploited to ensure the livelihood of the population. The problem of illegal logging (which peaked in the 1990s during the energy crisis) also exists today, which leads to degradation of forest ecosystems.

The Republic of Armenia is a mountainous low forest cover country. According to the forest inventory results from 1993, the forest fund of Armenia is about 460,000 hectares, including 334,100 hectares of forest cover or approximately 11% of the country's total area. Since 1993 no forest inventory has been carried out in Armenia. However, in recent years, the use of innovative technologies and methods, particularly remote sensing and GIS technologies, has provided an opportunity for gathering new and updated information about the forests of Armenia. According to data received by GIZ in 2011 using remote sensing methods, the forest cover of Armenia is 332,333 hectares or about 11.17% of the total area of the country (<https://un.am/up/file/SDG15-Life-onLand.pdf>). In the forests of RA approximately 275 types of trees and shrubs can be found, of which the main forest-forming species are beech, oak, hornbeam and pine.

Several structural changes took place in Armenia's forest sector recently. Forest management and monitoring are under the responsibility of the Ministry of Nature Protection (before 2018 they were under the Ministry of Agriculture). It is assumed that these changes will allow to harmonize forest management and monitoring system of the RA.

1.1. Development process of Criteria and Indicators in Armenia

The sustainable forest management criteria and indicators elaboration and development process for Armenia was launched in 2016, when Armenia became part of the [“Accountability Systems for Sustainable Forest Management in the Caucasus and Central Asia” project](#). In 2016, the first regional workshop was held in Armenia, which was attended by representatives of all five participating countries – Armenia, Georgia, Kazakhstan, Kyrgyzstan, and Uzbekistan. The workshop was a platform for countries to present their specific situations, for information exchanging and interaction between all participants.

The first national coaching workshop for Armenia was held on 13-15 September 2017, where the draft criteria and indicator set for sustainable forest management was developed, with the support of more than 30 national experts in forests and related topics (<http://www.unece.org/index.php?id=45759>).

After the first national workshop the regional interim workshop was held in Georgia (20-23 February 2018), which brought together international experts and representatives from the five project countries. During the workshop the draft C&I set was presented by the Armenian project team.

To eliminate the gaps in the C&I set identified at the regional interim workshop and to improve and make the set more measurable and feasible, the second national workshop for Armenia was organized 20-23 February 2019 (<http://www.unece.org/index.php?id=50163>). As a result of the second national workshop the C&I set was substantially improved. During the workshop, further steps regarding to institutionalization of the set were discussed as well.

2. Report of the 2nd National Workshop C&I for SFM for Armenia

The workshop brought together more than 30 national experts from different organizations to discuss, exchange experiences, map out the needs as well as to formulate recommendations for the future work on C&I for SFM for Armenia. The workshop languages were English and Armenian (with interpretation). It was organized with the kind support of UNDP Armenia.

The participating group of experts worked for three days with various presentations and group work exercises on the topic of “Criteria and Indicators for Sustainable Forest Management for Armenia”. The workshop was facilitated by Ms. Nato Kirvalidze. The workshop took place on 20 - 22 February 2019. All related documentation is available at: <http://www.unece.org/index.php?id=50163>

The workshop was organized under the UNECE/FAO and UNDA 2016 – 2019 capacity-building project “Accountability Systems for Sustainable Forest Management in the Caucasus and Central Asia”. More information about the project framing this workshop is available at: <http://www.unece.org/forests/areas-of-work/capacity-building/unda2016-2019.html>

The second national workshop was designed to review the draft C&I for SFM set, which was developed over the past years. It provided an opportunity for country representatives work in detail on the set, to develop methods for data collection and plan the institutionalization of the national C&I set.

The structure of the seminar was built on five interlinked sessions that cover the following issues:

1. **SHARING AND CRITICAL REVIEW.** Review of the progress, challenges and lessons with regards to process and outcomes of C&I development in Armenia, identifying key problems/concerns and concrete recommendations for enhancement.
2. **IMPROVING COHERENCY AND INDICATORS FORMULATION.** Remove gaps/overlaps and improve coherency and formulation of the national C&I set.
3. **SCREENING AND PRIORITISATION.** Screen, prioritize and adjust indicators.
4. **FACTSHEET DEVELOPMENT AND ELABORATION OF METHODOLOGY OF DATA COLLECTION.** Develop factsheets and plans on how to collect data for the indicators set.
5. **PLANNING.** Discuss the main steps towards the finalization and institutionalization of the C&I set and identify support needs.

3. Presentations

The workshop was opened by **Mr. Ayser Ghazaryan**, Deputy Minister of Nature Protection of RA and Ms. Theresa Loeffler, UNECE/FAO. Mr. Ghazaryan presented the forest sector reforms in Armenia, explained the formation of the Forest Committee of MNP, and also mentioned the significance of keeping sustainable forest management at a high profile in Armenia.. Mr. Ghazaryan also highlighted the significance of the workshop and encouraged participants to work productively. He also presented

on “Expanded process of reforms in the forest sphere of RA, using the toolkit of modernization”. During the presentation Mr. Ghazaryan spoke about optimization processes and reforms in the forest sector of the RA, application of RS and GIS technologies in forest monitoring of Armenia and about Armenian National Forest Management Information System. Mr. Ghazaryan reflected also on deficiencies in the international forest accountability of Armenia, simultaneously mentioning the ways of solving those problems.

Ms. Theresa Loeffler provided an **overview of the «Accountability systems for sustainable forest management in the Caucasus and Central Asia» UNECE/FAO project**. Participants were informed about target groups, budget, timeframe and implementing entities of the project. She mentioned that the objective of the project is to strengthen the national capacity of five countries (Armenia, Georgia, Kazakhstan, Kyrgyzstan, Uzbekistan) to develop national criteria and indicators and reporting or accountability systems for sustainable forest management. Ms. Loeffler presented the project implementation plan from 2016 to 2019, notably referring to first national workshop in Armenia, the regional interim workshop in Georgia and to upcoming “Forest Congress for the Caucasus and Central Asia” which will take place 28-30 May 2019, in Issyk Kul, Kyrgyzstan. Participants also became familiar with UNECE/FAO official website, which includes substantial information and materials regarding implemented, ongoing and upcoming projects. Ms. Loeffler also presented the Guidelines on the development of national C&I for SFM sets, spoke about the Global Forest Resource Assessment and about the global core set of forest-related indicators which covers all 7 thematic elements of SFM.

In the presentation by **Ms. Nato Kirvalidze** (facilitator) participants got acquainted with the objectives, agenda, rules and norms of workshop.

In his presentation on “**Basics on Criteria and Indicators for Sustainable Forest Management**” **Mr. Andrzej Talarczyk** made an overview of sustainable forest management (according to MCPFE, 1993) and sustainable development. He introduced the purpose of C&I, goals of SFM and data pyramid, mentioning that criteria and indicators are tools (policy instrument) to operationalize sustainable forest management. Mr. Talarczyk explained what criteria and indicators for SFM generally are. He presented criteria of the Montreal Process, Forest Europe and UNFF. Participants got acquainted with 10 key questions to ask, before formulating the indicators, for instance:

- What is being measured?
- Why is being measured?
- Who does it measure?

In her presentation national project coordinator **Ms. Yeva Danielyan** introduced the **process of development of national C&I set for Armenia**. She gave an overview of activities conducted in Armenia for developing national C&I starting from the first regional workshop (September 2016, since the "Accountability Systems for Sustainable Forest Management in the Caucasus and Central Asia" project has started) to the second national workshop.

During the presentation participants also were familiarized with draft C&I set. Ms. Danielyan noted that in the C&I set, which included 7 criteria and 74 indicators, had certain issues, including:

- duplications,
- some indicators were not suitable to the respective criteria,
- In the 4th thematic element (productive functions of forest resources) indicators were missing.

The presentation of Ms. Natia Tskhovrebadze (Biodiversity and Forestry Department, Ministry of Environmental Protection and Agriculture of Georgia) covered the **“National Principles, Criteria and Indicators for Sustainable Forest Management of Georgia”**. During the presentation participants were familiarized with the forest resources of Georgia and with the ecological, economic and social principles of sustainable forest management which are structuring the C&I set in Georgia. Participants were informed about the elaboration process of the C&I for Georgia, which started in 2014. She noted that in Georgia there is C&I were developed on two levels: 1. Policy-level Principles, Criteria and Indicators, 2. Management-level Criteria and Indicators.

Ms. Tskhovrebadze also highlighted the purposes of C&I elaboration (policy-level):

- Monitoring the impact of forest management and assessing the sustainability,
- Providing a framework for reporting the status of forests,
- Common understanding of what is meant by sustainable forest management.

She also spoke about the “Forest Information and Monitoring System” of Georgia, Participants of the workshop got acquainted with the Georgian national C&I set, which includes under the 3 principles 23 criteria and 57 indicators.

Mr. Andrzej Talarczyk, Chief Information Officer of Bureau for Forest Management and Geodesy, Poland, **presented on “Data sources and information management processes for SFM C&I on the example of Poland”** giving general information about forest resources of Poland, SFM in Poland after 1989, principles of forest management and forest land management and the institutionalization of C&I. Participants got acquainted with the structure of the Polish Forest Data Bank, which is under the responsibility of Mr. Talarczyk since 2010.

Dr. Stefanie Linser, Institute of Forest, Environmental, and Natural Resource Policy, University of Natural Resources and Life Sciences, Vienna (BOKU), presented on **“National sets of C&I for SFM – adequate presentation of the related information”**. She spoke about 5 main steps from initiation to reporting on SFM for national C&I sets. She also referred to the Forest Europe background document which includes detailed information on:

- rationales,
- international data providers,
- measurement units,
- current periodicity of data availability,
- reporting notes,
- related terms and definitions of the indicators.

She also presented the Forest Europe C&I set, which includes 6 criteria, 11 qualitative indicators and 34 quantitative indicators.

During Ms. Linser’s presentation participants were familiarized with factsheet concepts. She mentioned that developing an indicator factsheet is also a good way of thinking through the requirements for elements of an effective indicator and its subsequent use. It also helps to ‘screen’ the indicator against usefulness and feasibility in case adjustments have to be made. Ms. Linser also gave some examples of factsheets for qualitative and quantitative indicators.

Furthermore, Ms. Linser provided information about the Austrian C&I set as a national example. The Austrian set includes 7 criteria (6 FOREST EUROPE criteria, 1 additional criterion (Austria’s

international responsibility for SFM)) and 65 indicators (32 Forest Europe indicators, 33 national indicators).

All the presentations were followed by active discussions between participants and presenting experts.

4. Outcomes of group work on coherency and prioritisation

During the workshop participants were divided into 3 groups, based on their expertise and interests:

Group 1 - Forest extent and condition: Criteria 1, 2, 3, 5 (1. Forest area, 2. Biodiversity, 3. Forest health, 5. Protection functions of forest resources).

Group 2 - Socio-economic aspects: Criteria 4 and 6 (4. Productive functions of forest resources, 6. Socio-economic functions of forest resources).

Group 3 - Government aspects: Criterion 7 (Legal, policy and institutional framework).

The work of the 2nd group was more challenging, as indicators for 4th thematic element (productive functions of forest resources) were missing.

During the “Coherency” session members of three groups familiarized with criteria and indicators, filled the major gaps in the set and tried to eliminate duplications. After the exercise each group presented the results of the group work.

During the 4th session “Screening and prioritizing indicators”, all members of the groups individually assessed indicators (using the scale: 3 = perfect, 2 = satisfactory, 1 = unsatisfactory) according to the following criteria:

- relevance,
- specificity,
- availability of data/methods,
- feasibility.

Then all the individual scores were summarized for each indicator. Using total scores for each indicator, participants found out the main problems of the C&I set. The graph below shows the total scores of the 2nd group’s prioritization assessment for thematic element 4, which helped to find the most problematic indicators. The same process was done for indicators of other thematic elements.

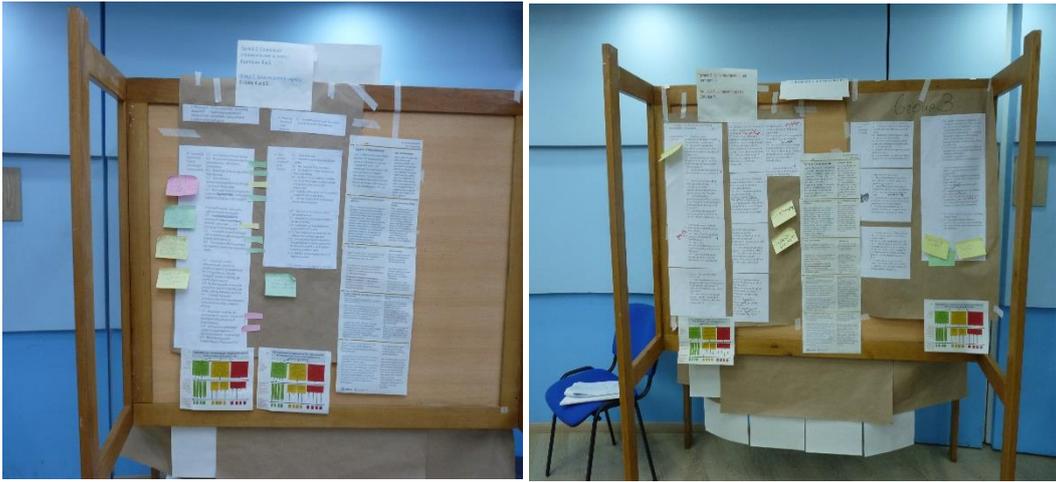


After the assessment, group members selected 3 indicators from the priority ranking, and screened and adjusted the indicators using a checklist of screening:

Screening checklist (example)

Indicator:				
6.10 Total and per capita consumption of all marketed non-wood forest products	Yes (tick below)	Maybe (tick below)	No (tick below)	Comment/ justification/evidence (even if yes)
1. Relevance: Is the indicator and the information it will generate really essential to either measure SFM or advance SFM in the national context?		✓		
	Move to row below.	Modify to make more relevant	Exclude	
2. Specificity: Is the indicator clear enough in what will be measured and how?	✓			
	Move to row below	Modify to make more specific	Exclude	

Indicator:				
6.10 Total and per capita consumption of all marketed non-wood forest products	Yes (tick below)	Maybe (tick below)	No (tick below)	Comment/ justification/evidence (even if yes)
3. Method and data availability: Are the methods to gather information, and sufficient information easily accessible in the national context.			✓	
		Modify the indicator or methods to make information needs achievable.	Exclude.	
4. Feasibility: Are the resources and capacities in place to measure on a regular basis?			✓	
	Fine to proceed.	Modify indicator or capacities to make more feasible.	Exclude.	



Critical review of the national C&I set

Актуальность Relevance	Конкретность и Специфичность Specificity	Доступность данных / методов Information / methods availability	Осуществимость Feasibility	Всего Total	Ранг Rank
3	3	3	3	12	1
3	3	3	3	12	2
3	3	3	3	12	3
3	3	3	3	12	4
3	3	3	3	12	5
3	3	3	3	12	6
3	3	3	3	12	7
3	3	3	3	12	8
3	3	3	3	12	9
3	3	3	3	12	10
3	3	3	3	12	11
3	3	3	3	12	12
3	3	3	3	12	13
3	3	3	3	12	14
3	3	3	3	12	15
3	3	3	3	12	16
3	3	3	3	12	17
3	3	3	3	12	18
3	3	3	3	12	19
3	3	3	3	12	20
3	3	3	3	12	21
3	3	3	3	12	22
3	3	3	3	12	23
3	3	3	3	12	24
3	3	3	3	12	25
3	3	3	3	12	26
3	3	3	3	12	27
3	3	3	3	12	28
3	3	3	3	12	29
3	3	3	3	12	30
3	3	3	3	12	31
3	3	3	3	12	32
3	3	3	3	12	33
3	3	3	3	12	34
3	3	3	3	12	35
3	3	3	3	12	36
3	3	3	3	12	37
3	3	3	3	12	38
3	3	3	3	12	39
3	3	3	3	12	40
3	3	3	3	12	41
3	3	3	3	12	42
3	3	3	3	12	43
3	3	3	3	12	44
3	3	3	3	12	45
3	3	3	3	12	46
3	3	3	3	12	47
3	3	3	3	12	48
3	3	3	3	12	49
3	3	3	3	12	50
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3	3	3	3	12	62
3	3	3	3	12	63
3	3	3	3	12	64
3	3	3	3	12	65
3	3	3	3	12	66
3	3	3	3	12	67
3	3	3	3	12	68
3	3	3	3	12	69
3	3	3	3	12	70
3	3	3	3	12	71
3	3	3	3	12	72
3	3	3	3	12	73
3	3	3	3	12	74
3	3	3	3	12	75
3	3	3	3	12	76
3	3	3	3	12	77
3	3	3	3	12	78
3	3	3	3	12	79
3	3	3	3	12	80
3	3	3	3	12	81
3	3	3	3	12	82
3	3	3	3	12	83
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3	3	3	3	12	90
3	3	3	3	12	91
3	3	3	3	12	92
3	3	3	3	12	93
3	3	3	3	12	94
3	3	3	3	12	95
3	3	3	3	12	96
3	3	3	3	12	97
3	3	3	3	12	98
3	3	3	3	12	99
3	3	3	3	12	100

Prioritizing indicators, individual assessment



Working process

5. Factsheets elaboration and methodology of data collection

During the 5th session each group developed factsheets for 3 successfully screened indicators. The purpose of this exercise was to elaborate on and clarify how information will be gathered, managed and used around specific indicators. The exercise helped to develop the full information system around indicators that will be implemented and institutionalized.

Factsheets are presented below:

Criterion: Legal, policy and institutional framework	
Number of the indicator: 1.3	Short name of the indicator: Forest management plans Full text of the indicator: The share of forest and forest lands under a forest management plan
Rationale: What will be the purpose of generating information on this indicator be? How will this information be used to advance Sustainable Forest Management? It's the basis for sustainable management. It will be used for long-term and short-term planning of events and activities.	
Data sources and data provider: Public administration system	
Measurement unit and frequency of measurement required: %, per year	
Reporting notes (e.g. separate figures to be reported on): ha, the number of forest enterprises and protected forested areas	
Policy targets and/or thresholds for this indicator (might also be time specific): 100%,	
Institutional roles and responsibilities: Which institutions will collect, manage and use data? Try to build from and on what exists: Collection and management of the data: Ministry of Nature Protection Users: governmental and non-governmental organizations, communities and other stakeholders	
Related definitions available in the Forest Europe glossary: N/A	Terms that still need to be defined: -
Challenges regarding data availability and reporting on this indicator: Absence of the data from the national forest inventory and register.	
Recommendations to address these challenges: Implementation of the national forest inventory and stock-taking.	

Criterion: Socio-economic functions	
Number of the indicator: 6.1	Full text of the indicator: Volume of import and export of timber and wood products
Rationale: Mechanism to control illegal cuttings.	
Data sources and data provider: Customs Service of the Republic of Armenia	
Measurement unit and frequency of measurement required: Measurement unit: item, m³ or equivalent Frequency: yearly	
Reporting notes (e.g. separate figures to be reported on):	
Policy targets and/or thresholds for this indicator (might also be time specific): Promotion of local production and export of wooden products	
Institutional roles and responsibilities: <i>Which institutions will collect, manage and use data? Try to build from and on what exists:</i> Data Collection: Customs Service of the Republic of Armenia and Forest Committee Management: Ministry of Nature Protection (Forest Committee, Hayantar) Users: National Statistical Service of the Republic of Armenia, Ministry of Agriculture, Ministry of Nature Protection	
Related definitions available in the Forest Europe glossary: N/A	Terms that still need to be defined: -
Challenges regarding data availability and reporting on this indicator: Illegal import and export	
Recommendations to address these challenges: Legalization of organizations working on production and export of wood products.	

Criterion: Forest Area	
Number of the indicator: 1.5	Full text of the indicator: Forest area in protected areas
Rationale: Changes in those areas will show the sustainability of the forest management process.	
Data sources and data providers: <ul style="list-style-type: none"> • Forest Management Plans, • National Forest Inventory, • State Forest Monitoring system. 	
Measurement unit and frequency of measurement required: ha, Forest Management Plans - per 10 years period; NFI – once in 5 years	
Reporting notes (e.g. separate figures to be reported on): Protected forest areas are defined according to other legislative and regulative documents.	
Policy targets and/or thresholds for this indicator (might also be time specific): According to the National Forest Program of Armenia adopted in 2005, it has been suggested to increase the national forest cover to 20.1% by 2050.	
Institutional roles and responsibilities: Which institutions will collect, manage and use data? Try to build from and on what exists: -	
Related definitions available in the Forest Europe glossary: N/A	Terms that still need to be defined: -
Challenges regarding data availability and reporting on this indicator: -	
Recommendations to address these challenges: -	

6. Final national criteria and indicator set for SFM

Criterion 1: Forest Area

- 1.1 Area of forest and other wooded land
- 1.2 Share of forest and other wooded land of the country's total area
- 1.3 The share of forest and forest lands under a forest management plan
- 1.4 Area of forests of special, production and protection significance
- 1.5 Forest area in specially protected nature areas
- 1.6 Area of natural and artificial reforestation and afforestation
- 1.7 Age structure [or age distribution] of forest and other wooded land
- 1.8 Forest carbon balance and biomass stock in forest and other wooded land
- 1.9 Area of degraded forests

Criterion 2: Biodiversity

- 2.1 Area of high conservation value forests
- 2.2 Species diversity (diversity index)
- 2.3 Density of endemic species
- 2.4 Area occupied by invasive species and their density
- 2.5 Number of threatened forest species classified according to IUCN National Red List categories in relation to total number of forest species
- 2.6 Fragmentation of forests (number and area of fragments)

Criterion 3: Forest Health

- 3.1 Forest area damaged by fire, pests and diseases
- 3.2 Forests area threatened directly by human activities (loggings, fires, *forest products harvesting*, mining, other economic activities which did not pass the Environmental Impact Assessment)¹

Criterion 4: Productive functions of forest resources

- 4.1 Net annual increment in forest
- 4.2 Annual wood production derived from sustainably managed forests
- 4.3 Total annual wood removals and area of removals, including timber and fuel wood

Criterion 5: Protective functions of forests

- 5.1 Area and percent of forest whose designation or land management focus is the protection of soil or water resources
- 5.2 Area of forest cover in watersheds

Criterion 6: Socio-economic functions of forest resources

- 6.1 Volume of import and export of timber and wood products
- 6.2 Profit of forest enterprises
- 6.3 Number of persons employed in the forest sector, classified by gender, age groups and education

¹ <https://www.arlis.am/documentview.aspx?docid=91594>

- 6.4 Capacity building of the workforce in the forest sector
- 6.5 Average salary of employees in the forest sector
- 6.6 Environmental awareness raising of forest neighboring communities
- 6.7 Mechanisms for the equitable sharing of the costs and benefits of forest management
- 6.8 Annual volume and consumption of marketed non-wood forest products
- 6.9 Value of marketed services on forest and other forest lands
- 6.10 Procedures to ensure the health and safety of forest workers

Criterion 7: Legal, policy and institutional framework

- 7.1 Presence of forest policy and National Forest Program
- 7.2 Presence of forest monitoring plans and report on an annual basis
- 7.3 Presence of an action plan to expand the forest cover
- 7.4 Policies and regulations that are supporting SFM
- 7.5 Presence of a system of performance and reporting on international obligations
- 7.6 Public participation in the discussions on drafting legal acts
- 7.7 Application of legislation on sustainable forest management
- 7.8 National and international public and other funding committed to SFM
- 7.9 Taxation, financial and economic tools that are supporting the sustainable management of forests
- 7.10 National Forest Management Information System
- 7.11 Presence of forest and forest land cadaster
- 7.12 Forestry research programs (quantity)
- 7.13 Availability of biennial reports on greenhouse gas inventories
- 7.14 Improved and new technologies that are supporting SFM (quantity)

7. Next steps and identification of further support needs

Updated process plan for further development of C&I set for Armenia

During the workshop's "Wrap up and planning next steps" session, Mr. Artur Petrosyan (Head of the Biodiversity and Forest Policy Department of MNP) mentioned that the project will have its logical continuation. The C&I set, developed during the project's workshops, will be submitted to the appropriate department of the Ministry of Nature Protection and a working group will be established. As a result, Armenia will eventually obtain a final C&I set.

Activities	Who should participate?	Timeframe
Establishing of a working group	Forest Policy Department of the Ministry of Nature Protection of RA	May 2019
Finalization of the draft C&I set	Forest Policy Department of the Ministry of Nature Protection of RA	-

Annex I. Agenda of the 2nd national workshop "Criteria and Indicators of Sustainable Forest Management for Armenia"

	Wednesday 20 February	Thursday 21 February	Friday 22 February
M O R N I N G S E S S I O N	Registration at 9.15 Start sharp at 9.30 I. Preliminaries 1.1 Welcome and opening remarks by <ul style="list-style-type: none"> ○ Mr Ayser Ghazaryan, Deputy Minister, Ministry of Nature Protection of Armenia ○ Ms Theresa Loeffler, UNECE/FAO. 1.2 Project overview. Ms Theresa Loeffler , UNECE/FAO. 1.3 Participant introductions, workshop objectives, agenda, rules and norms. <i>Presentation Ms Nato Kirvalidze (facilitator).</i>	Start sharp at 9.30 Recap from previous day IV. Screening and prioritising indicators 4.1 Using a decision tree method, screening, prioritising and adjusting indicators. <i>Group work.</i>	Start sharp at 9.30 Recap from previous day VI. Improving the updated version of the national C&I set 6.1 Group work to develop an updated version of the C&I set taking into consideration the lessons learnt and recommendations received. <i>Group work.</i>
	Break 11.00 - 11.30	Break 11.00 - 11.30	Break 11.00 - 11.30
	II. Sharing - critical review of national C&I set and case studies 2.1 Recap of the background and definitions of C&I for SFM. Mr Andrzej Talarczyk , <i>presentation, Q&A.</i> 2.2 Presentation of the process of national C&I development and the draft C&I set. Ms Yeva Danielyan , Armenian project coordinator. 2.3 Critical review of the national C&I set. <i>Exercise and group work.</i>	V. Reformulation, Factsheets and elaboration of methodology of data collection 5.1 National sets of C&I for SFM – adequate presentation of the related information. Ms Stefanie Linser , <i>presentation, Q&A</i> 5.2. Reformulating the indicator set to be more outcome focussed and specific. <i>Group work and presentation.</i>	6.1 continued. Group work to develop an updated version of the C&I set taking into consideration the lessons learnt and recommendations received. <i>Group work.</i>
	Lunch 13.00 - 14.00	Lunch 13.00 - 14.00	Lunch 13.00 - 14.00
A F T E R N O O N	2.4 Case study - the process of the development of national C&I set in Georgia. Ms Natia Tskhovrebadze , Ministry of Environmental Protection and Agriculture of Georgia, <i>Presentation, Q&A.</i> III. Coherency 3.1 Improving coherency of the national C&I set. <i>Group work.</i>	5.3 Data sources and information management processes for SFM C&I – example Poland. Mr Andrzej Talarczyk , <i>presentation, Q&A.</i> 5.4 Factsheets development and plans on how to collect information for the indicator set. <i>Group work.</i>	6.2 Presentation of developed C&I set and peer review against criteria such as relevance, feasibility etc. <i>Presentation with peer review exercise.</i> VII. Wrap up and planning next steps 7.1 Finalising the process plan for the next steps in the C&I set development and institutionalisation. <i>Group exercise.</i>
	Break 15.30 - 16.00	Break 15.30 - 16.00	Break 15.30 - 16.00
	3.1 continued. Meeting of recap lessons team.	5.4 continued. Meeting of recap lessons team.	VII. Wrap up and planning next steps 7.2 Evaluation and closing remarks.
Close 17.30	Close 17.30	Close 17.30	

Annex II. List of participants

List of participants



2nd national Workshop - Criteria and Indicators for Sustainable Forest Management for Armenia

Start Date: Wednesday, February 20, 2019

End Date: Friday, February 22, 2019

Participants: 35

Last Name	First Name	Title	Organization	Countries Represented
Aghababyan	Karen	Mr.	American University of Armenia	Armenia
Alexanian	Alla	Ms.	Armenian National Agrarian University	Armenia
Amiryan	Gagik	Mr.	Armenian Green Cross NGO	Armenia
Avagyan	Arman	Mr.	Forest State Monitoring Center SNCO	Armenia
Avetisyan	Gorik	Mr.	Zikatar SNCO, Ministry of Nature Protection	Armenia
Danielyan	Yeva	Ms.	UNECE/FAO, UNDA project	Armenia
Danielyan	Tatiana	Ms.	Academy of Science, Institute of Botany	Armenia
Darchinyan	Hasmik	Ms.	Lori Province administration, Agriculture and Nature Protection department	Armenia
Gabrielyan	Aram	Dr.	“Khazer” NGO	Armenia
Galstyan	Siranush	Ms.	GIZ, Integrated Biodiversity Management, South Caucasus (IBiS) program, Armenia	Armenia
Gevorgyan	Samvel	Mr.	Tavush Province administration	Armenia
Gevorgyan	Armen	Mr.	Caucasus Network for Sustainable Development of Mountain Regions	Armenia

Gevorgyan	Artur	Mr.	Freelance expert	Armenia
Ghazaryan	Ayser	Mr.	Ministry of Nature Protection	Armenia
Grigoryan	Atom	Mr.	Forest State Monitoring Center	Armenia
Gulkhasyan	Aram	Mr.	Forest monitoring center, Ministry of Nature Protection	Armenia
Hambardzumyan	Ani	Ms.	National Statistical Service of RA	Armenia
Harutyunyan	Nune	Ms.	Regional Environmental Center for the Caucasus (REC Caucasus)	Armenia
Harutyunyan	Agapi	Ms.	FAO Reu	Armenia
Kirvalidze	Nato	Ms.	Regional Coordinator under the UNDA, UNECE/FAO project	
Loeffler	Theresa	Ms.	United Nations Economic Commission for Europe (UNECE)	
Martirosyan	Vahe	Dr.	Armenia Tree Project	Armenia
Martirosyan	Vladik	Mr.	Khustup NGO	Armenia
Matsakyan	Vahe	Mr.	Committee of Forest, Ministry of Nature Protection	Armenia
Melikyan	Vardan	Mr.	UNDP in Armenia	Armenia
Mnatsyan	Aghasi	Mr.	GIZ, Integrated Biodiversity Management, South Caucasus (IBIS) program	Armenia
Petrosyan	Artur	Mr.	Biodiversity and Forest Policy Department, Ministry of Nature Protection	Armenia
Sahakyan	Dshkhuhi	Ms.	Regional Environmental Center for the Caucasus (REC Caucasus)	Armenia
Sahakyan	Samvel	Mr.	Committee of Forest of the Ministry of Nature Protection	Armenia
Sahakyan	Aram	Mr.	Biodiversity and Forest Policy Department, Ministry of Nature Protection	Armenia
Sahakyan	Meri	Ms.	UN/FAO Armenia	Armenia
Sargsyan	Armine	Ms.	Biodiversity and Forest Policy Department, Ministry of Nature Protection	Armenia
Sayadyan	Hovik	Dr.	United Nations Development Programme Armenia	Armenia

Talarczyk	Andrzej	Dr.	Bureau for Forest Management and Geodesy	Poland
Tskhovrebadze	Natia	Ms.	Ministry of Environmental Protection and Agriculture of Georgia	Georgia

