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SUDAN REDD+ SESA STUDY

PRESENTATION OF THE UPDATED WORKPLAN

WHAT IS SESA?

- SESA process integrates Social & Environmental considerations into the National REDD+ strategy
 - During *formulation* of the strategy (screening for environment and social impacts)
 - During *implementation* of the strategy (providing a framework for E&S safeguards)
- SESA is not an analysis or individual report. It is an iterative process that results in
 - A) strategies that take account of E&S aspects
 - B) a framework for ensuring future projects implemented under those strategies comply with E&S principles
- A requirement by the WB/FCPF to ensure the REDD+ process complies with WB safeguard policies
- Combines analytical and participatory approaches.
 - Analytical studies to inform strategy formulation (review of drivers and initial strategy options, policy/laws analysis, institutional capacity analysis, ...)
 - Offers an opportunity for civil society to influence reforms required for REDD.

SESA VS EIA

- EIA assesses impacts and proposes mitigation measures for *specific projects*
- SESA does not work with specific projects. SESA is done at the *strategic level*. (SESA informs and recommends contributions to the strategies to ensure that projects formulated under those strategies are Env & Socially satisfactory)
- SESA is a process focused at a *higher level* - on institutions and governance
- Ideally it is synchronized with strategic planning to inform decision making on the REDD+ strategies
- Not a prescriptive process – needs to be adapted to the context of decision making in the country

SUMMARY OF STRATEGIES

- *Option 1: The carbon balance and incentives for energy substitution to LPG,*
- *Option 2: Incentives for using sustainable charcoal,*
- *Option 3: Incentives for firewood efficiency,*
- *Option 4: Subsidizing renewable energy production and grid infrastructure,*
- *Option 5: Incentives for increased gum Arabic production,*
- *Option 6: Incentives for forest conservation and sustainable forest management,*
- *Option 7: Incentives for reforestation and plantations,*
- *Option 8: Incentives for crop intensification and more balanced livestock production,*
- *Option 9. Reconciliation of conflicting policies of rival economic sectors and streamlining of activities of supporting sectors such as education and research.*



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METHODOLOGICAL ARRANGEMENTS

METHODOLOGICAL APPROACH

- Step 1 - Review and comments of the REDD+ Strategy Options
- Step 2 - Mapping and identification of critical areas for social and environmental assessment
- Step 3 - Outlining the legislative, regulatory, and policy regime
- Step 4 - Reviewing institutional arrangements
- Step 5 - S&E Analysis of the impacts of the Strategy Options
- Step 6 - Elaboration of the E&S Mitigation Framework

STEP 1 - REVIEW AND COMMENT OF THE STRATEGY OPTIONS (SO)

- Preliminary review of content of options to identify potential issues
- Update request and liaising with Strategy Option study team:
 - Suggestion on level of information required
 - Suggestion on level of activity definition to assess E&S impacts
- Suggestions on strategy options with anticipated high environmental or social impacts

STEP 2 - MAPPING AND IDENTIFICATION OF CRITICAL AREAS FOR SOCIAL AND ENVIRONMENTAL ASSESSMENT

- Compilation of a nation-wide and cross-sectoral map:
 - Identify the most relevant forest areas
 - Superimposed maps/layers drivers of deforestation and degradation.
 - Population mapping
 - Layer with the 5 technical sectoral
 - Biological and ecological diversity and hotspot layers.
 - Land use map.
 - Economic activities (mentioned in the drivers: Commercial agriculture (can be located in various states), Mining, Petroleum, Refugee camps)
- Identify of critical areas for environmental and social impacts:
 - Identification of critical areas for deforestation and degradation according to the proposed strategies
 - Time consideration (10-20 years)
 - Sensitivity mapping for Strategy Options and prioritisation



STEP 3 - OUTLINING THE LEGISLATIVE, REGULATORY, AND POLICY REGIME

- List, review and categorise relevant legislation, framework, regulations, based on past REDD+ studies to avoid duplication (liaising with SOs Team to combine efforts)
- Situation analysis based on relevance, design, efficiency & implementation in the relation to the social and environmental impacts (indicators / consideration)

- Forest policies
- Natural resource policies
- Water policy
- Land Act & land tenure
- Land use
- Environmental laws
- Industrialization policies
- Energy and oil
- Gender policies/ Wildlife Conservation
- Trade & investment policies
- Micro-economic policies
- food security measures
- Etc.

Strategy Options	Policy Enabling / Contradicting	Policy Gap	Risk impact

Policy	Objectives	Key features	E&S impacts	Sector	Policy level	Further comments

STEP 3 - OUTLINING THE LEGISLATIVE, REGULATORY, AND POLICY REGIME

- In light of the relevant indicators identified by the environmental and the social expert that will be used for the analysis, analyse the policies and laws in light of their social and environmental implication and from a sectoral perspective;
- Identification of technical, policy, institutional gaps and inconsistencies in the policies, laws, regulation and measures;
- Stakeholder consultation workshop or Intersectoral platform contributing to a national dialogue (at higher level) to obtain validation of the gaps identified/ setup & validate guiding principle to endorse the strategies

STEP 4 - REVIEWING INSTITUTIONAL ARRANGEMENTS

- Identification of relevant institutions in regards to the SO
- Review of the associated institutions, their role and identification of gaps
- (Identification and analysis of policy issues) – cf Step 2
- Analysis and Impact of policy formulation on forest management systems
- Analysis of structural frameworks and management systems of FNC as focal point for forestry sector
- Assessment of roles and responsibilities of different actors in sustainable forest management in Sudan
- Liaising with the relevant institutional stakeholders to validate gaps – in convergence with the SO study team (Hassan & Tag)

STEP 5 - S&E ANALYSIS OF THE IMPACTS OF THE SO

- Identification of major activities underlying the Strategic Options
- Review Land use and land tenure & drivers of def. and forest deg. and to prepare analysis of social and environmental impacts
- Consultations/Experts group discussions/ presentations
- Identification of all potential environmental and social impacts (sources of potential impacts) associated with each Strategy Options' activities
- Assessment of significance of identified environmental and social impacts of each Strategy Options and related activities
- Environmental & Social management plan (mitigation measures)
- Production of a E&S statement for each Strategy

STEP 5 - ENVIRONMENTAL MULTI-DIMENSIONAL ASSESSMENT

- Criteria
 - Vegetation and Biodiversity
 - Water quality
 - Air Quality
 - Noise and Vibration
 - Soil Quality

STEP 5 - ENVIRONMENTAL MULTI-DIMENSIONAL ASSESSMENT

- Impact Severity (Canter)

Level	Ranking	Definition
Negligible	0	Little or no change in the natural environment, effects is barely measurable above background conditions, much less significant than periodic stress by nature, measurable effects very temporary (a few days or less) before complete recovery.
Minor	1	Localized, relatively isolated change in natural environment lasting only a few days to a few months before recovery, with no observable residual effects. Areal extent only up to a Total of 0.5 square kilometres.
Moderate	2	Local modification of considerable severity in atmospheric, surface or subsurface conditions, lasting from a few months to two years before recovery. Areal extent of affected area 0.5 to 5.0 km ² , or widespread modification of lesser severity.
Major	3	Widespread modification of considerable severity; areal extent of impacts > 5 km ² .

- Impact Risk (Leopold Matrix - Canter)

Likelihood	Severity			
	Negligible	Minor	Moderate	Major
High	Low	Moderate	High	High
Medium	Low	Moderate	High	High
Low	Low	Low	Moderate	High
Negligible	Low	Low	Moderate	Moderate

STEP 5 - ENVIRONMENTAL MULTI-DIMENSIONAL ASSESSMENT

- Use of a positive sign (+) => positive or beneficial impact
- Use of a negative sign (-) => negative or adverse impact
- The Leopold matrix => (i) relies on limited data; (ii) provides methodical and comprehensive identification of potential impacts on environmental, socio-economic and public health components
- Use of a risk matrix => enhances ability to systematically identify & focus on resources most likely to be impacted

STEP 5 - SOCIAL (&ECO.) MULTI-DIMENSIONAL ASSESSMENT

- Criteria
 - Livelihood
 - Demography
 - Employment
 - Socio-cultural Values
 - Community Infrastructure
 - Public Health

STEP 5 - SOCIAL (&ECO.) MULTI-DIMENSIONAL ASSESSMENT

- Impact Severity (Canter)

Level	Ranking	Definition
Negligible	0	Little or no change in socio-economic conditions or commercial activities, effects are barely measurable above background conditions, much less significant than periodic stress by on-going socio-economic/commercial activities, measurable effects very temporary (a few days or less).
Minor	1	Localize relatively isolated change in socio-economic conditions or commercial activities, lasting only a few days to a few months, with no observable residual effects.
Moderate	2	Local modification of considerable severity in less than 10 per cent of those individuals affecting/affected by socio-economic conditions or engaging in the commercial activities in the study area, lasting from a few months to two years, or widespread modification (more than 50 per cent of those individuals affecting/affected by socio-economic conditions or engaging in commercial activities in the study area) of lesser severity and duration.
Major	3	Widespread modification of considerable severity in socio-economic conditions and commercial activities, lasting beyond two years duration.

STEP 6 - ELABORATION OF THE E&S MANAGEMENT FRAMEWORK

- Compilation, validation and final review of outputs from previously carried out tasks.
- Developing the ESMF framework for E&S assessment of future projects (including ESIA guidelines, screening procedures, templates, checklists, safeguards, etc)
- Articulation of the ESMF draft report

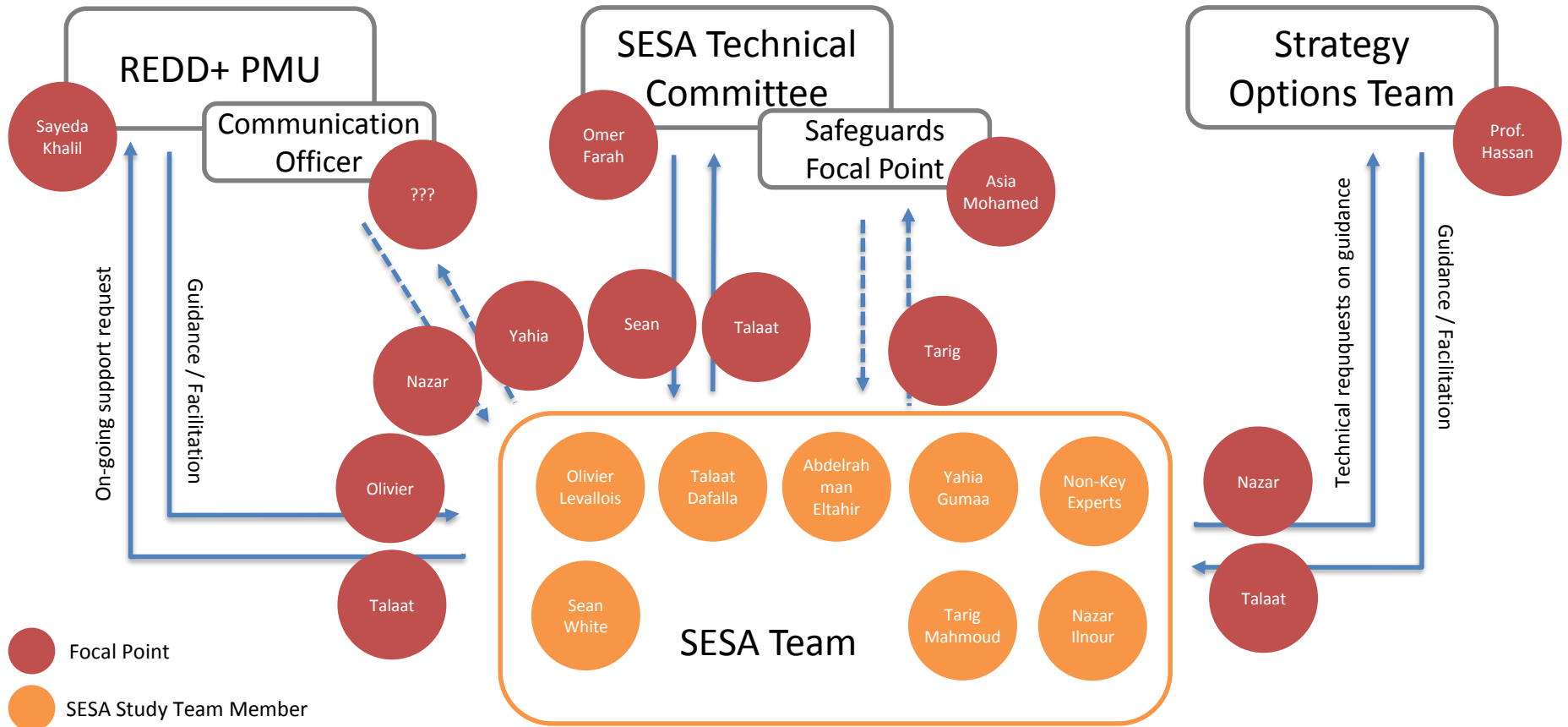


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ORGANISATIONAL ARRANGEMENTS

(TENTATIVE) COMMUNICATION ARRANGEMENTS



(TENTATIVE) COMMUNICATION ARRANGEMENTS

- REDD+ PMU
 - Frequency: on-going basis
 - Purpose: data collection request, logistical request, high-level guidance, coordination with other teams
- SESA Technical Committee
 - Frequency: once a month or on specific issue requiring consultation
 - Purpose: technical request on methodological approach, on facilitating stakeholder interactions
- Strategy Options Team
 - Frequency: on-going basis
 - Purpose: Jointly develop strategies, share information and joint forces when relevant



ACTIVITIES Weeks (approx.)	ID	Task Description	Oct. 17	Nov-17	Dec. 17	Jan. 18	Feb. 18	Mar. 18	Apr. 18	May. 18	Jun.18	July.																										
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
Task 0. Management, quality assurance and reportingTask	A.0.1	Management & coordination meeting(s)	[Grey bar]																																			
Phase I: Inception																																						
Task 0. Management, quality assurance and reportingTask	A.0.2	Suggestions made on REDD+ Strategy Options Review (dependent on obtain startegy doc.)	[Grey bar]																																			
	A.0.3	Refinement of the work plan, the methodology and detailed schedule for deliverables	[Grey bar]																																			
	A.0.4	Validation of the workflow	[Grey bar]																																			
A.A Inception Report	A.A1	Production of Inception Report	[Grey bar]																																			
	A.A2	Revision of Inception Report by REDD+ Management Unit (Safeguards WG)	[Grey bar]																																			
	A.A3	Integration of comments and production of final Inception report	[Grey bar]																																			
Phase II: Detailed Analysis																																						
Task 1. Identifying key issues and assessment of key stakeholdersTask	A.1.0	Review past stakeholder consultation to understand level of inclusion	[Grey bar]																																			
	A.1.1	Review and update the comprehensive list of stakeholders (dependent on A.0.2.)	[Grey bar]																																			
	A.1.2	Compilation of a nation-wide and cross-sectoral map according to the Drivers study	[Grey bar]																																			
	A.1.2	Identify of critical areas for environmental and social impacts	[Grey bar]																																			
	A.1.2	Prepare a map of the forest dependent communities (depends on drivers of def. survey data collection)	[Grey bar]																																			
	A.1.3	Analysis of their attachments, access to and use of forest resources	[Grey bar]																																			
Task 2. Outline the legislative, regulatory, and policy regime	A.1.5	Summary of their views, concerns and recommendations for REDD+ program	[Grey bar]																																			
	A.2.1	Analysis of the Legislative, regulatory and policy regime of Sudan forestry sector	[Grey bar]																																			
Task 3. Establish implementation arrangements	A.2.2	Review of Institutions, social governance and approach to social and environmental issues	[Grey bar]																																			
	A.3.1	Reviewing and national and international safeguard policies	[Grey bar]																																			
Task 4. Assess capacity of institutions in implementing SESA and ESMF	A.3.2	Defining arrangements and procedures for screening and assessing (ESMF)	[Grey bar]																																			
	A.3.3	Defining arrangements and procedures for the preparation of EMSF	[Grey bar]																																			
	A.3.4	Defining [...] for coordinating, facilitating & monitoring action plans	[Grey bar]																																			
Task 5. Analysis of the possible impacts of different REDD+ strategy option scenarios	A.4.1	Map institutions	[Grey bar]																																			
	A.4.2	Identify needs and define action plans	[Grey bar]																																			
Task 6. Present preliminary findings on Environmental and social risks and gaps	A.5.1	Screening - Identification of major activities underlying the Strategic Options	[Grey bar]																																			
	A.1.4	Review of land use & land tenure study and extraction of relevant content	[Grey bar]																																			
	A.5.4	Identification of all potential E&S impacts	[Grey bar]																																			
	A.5.5	Assessment of significance of identified E&S impacts of SO's activities	[Grey bar]																																			
	A.5.7	Environmental & Social management plan	[Grey bar]																																			
Task 7. Enhanced and targeted stakeholder consultation:	A.5.8	Preparation of Environmental & Social Statement	[Grey bar]																																			
	A.6.1	Drafting of E&S risks and gaps report	[Grey bar]																																			
	A.6.2	Presentation workshop and stakeholders engagement	[Grey bar]																																			
Task 7. Enhanced and targeted stakeholder consultation:	A.6.3	Finalization of the report to be integrated in the SESA report	[Grey bar]																																			
	A.7.1	Planning for the targeted consultation and stakeholder engagement (according to review of past studies, and initial E&S assessment & Mapping)	[Grey bar]																																			
	A.7.2	Conduct consultation & site visits	[Grey bar]																																			
	A.7.3	Analyse and disseminate results	[Grey bar]																																			
	A.7.4	Plan follow-up consultation	[Grey bar]																																			



CRITICAL EXPECTED ISSUES

LIST OF DATA TO BE COLLECTED - MAPS AND LOCATIONS

- Africover (Land cover for 2000 and 2010 which cover Sudan zone);
- Land Cover Atlas of the Sudan 2010 (FAO)
- Available satellite imagery for deferent time series (define time series);
- Available Forest electronic maps illustrating locations and polygons for recognized forests;
- Land use and tenure maps including forested areas;
- Deforestation and forest degradation reports and maps;
- Available reports and maps for locating:
 - Nomad's routes
 - Petroleum exploration
 - Mining activities
 - Refugee areas related to the forest
 - Mechanized and irrigation schemes
 - Urban and non-urban settlements in forest zones
- REDD+ related past stakeholder consultation locations and sampled observation areas;
- Any scanned maps related to the forest;
- List and maps of protected areas;
- Map of land use change before vs after used to quantity deforestation drivers.

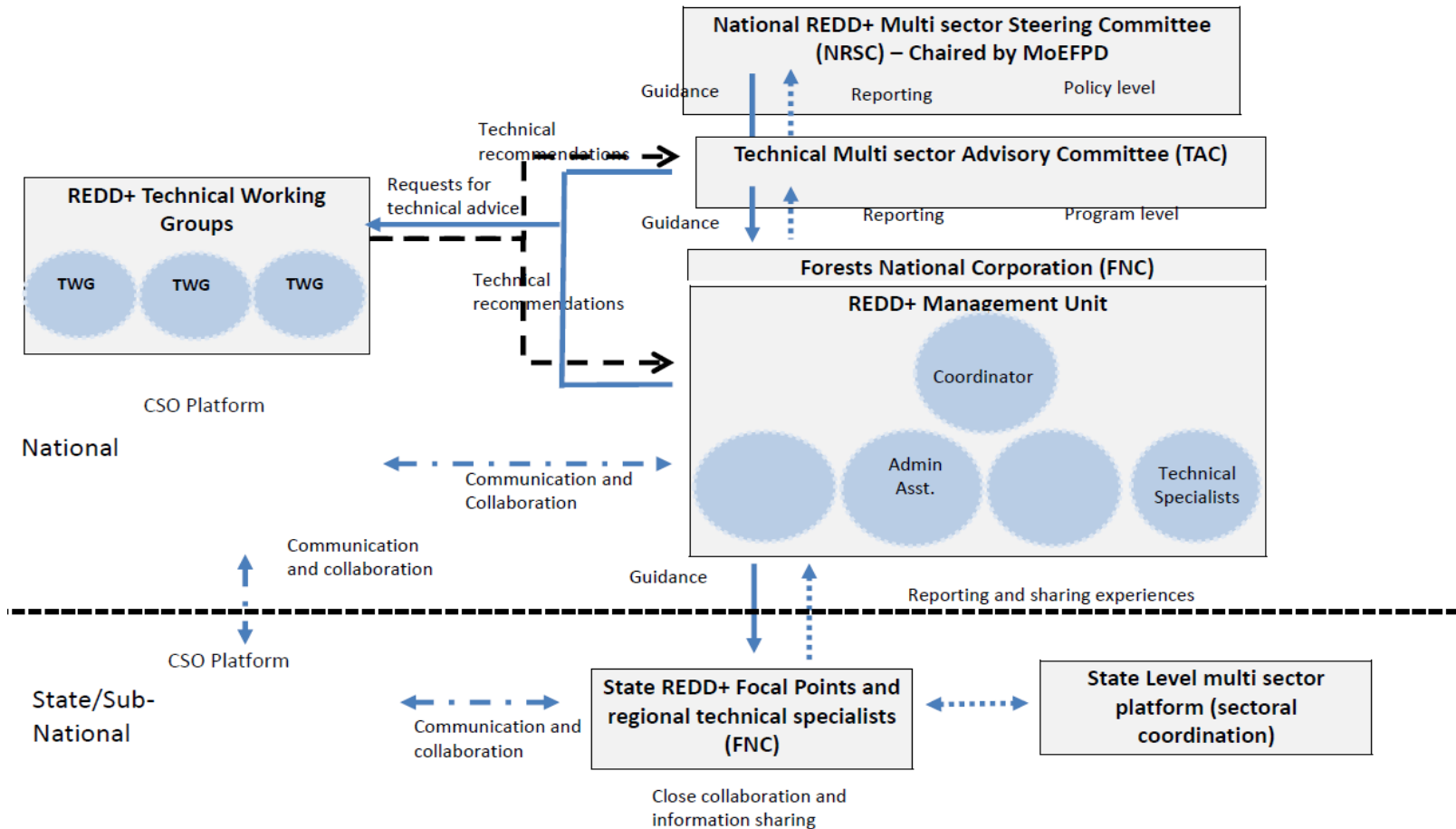
LIST OF DATA TO BE COLLECTED - REPORTS AND RAW DATA

- Sudan land of opportunity report (census of people and resources).
- Relevant Census data;
- Agric Annual reports;
- Raw data used and produced as part of the land use and land tenure study;
- Raw data used and produced as part of the drivers of deforestation and degradation study;
- UN Environment' s State of the Environment Report (update of the post conflict environment assessment of the Sudan);
- Initial reports from FAO's National Forestry Inventory (MRV mechanism for carbon);
- Contact details of all stakeholders mapped in the communication plan and people contacted for the drivers of deforestation study;
- Plan for safeguards capacity building;
- Forest Resource Assessment Report (FAO);
- Database with scanned documents - (funded by UNEP) Nero database (cf Talaat)

GAPS AND POTENTIAL ISSUES

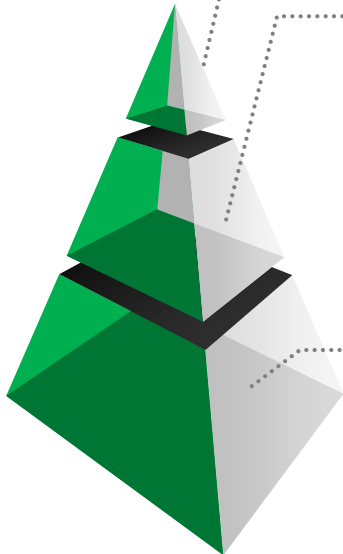
- Current Wording of strategies
 - The strategy needs to be refined in order to for us to carry out SESA
 - Recommendation: use the word “incentivise” / “encourage” instead of “incentives”
- Mapping of the forest-dependent communities
 - No map of the drivers of deforestation and degradation
 - No map of land use and land tenure
- Time consideration of drivers of deforestation:
 - No mapping of the land use change over the past years

ANNEX



METHODOLOGY

The methodology adopted for the study included



Study compilation

1. Interacting with REDD strategy.
2. Conclusion

Data analysis and presentation

1. Identify the critical areas.
2. Stake holders consultations+ field survey
3. Sensitivity analysis for strategy options...

Inception

1. Data collection
2. Five technical zones
3. Natural recourses
4. Stakeholders
5. Drivers
6. REDD Strategy

