



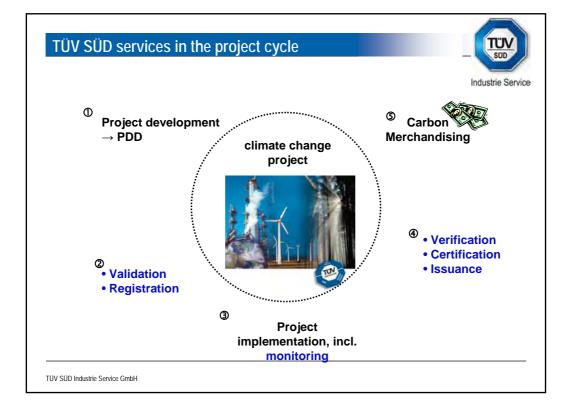
## **TÜV SÜD and forestry**

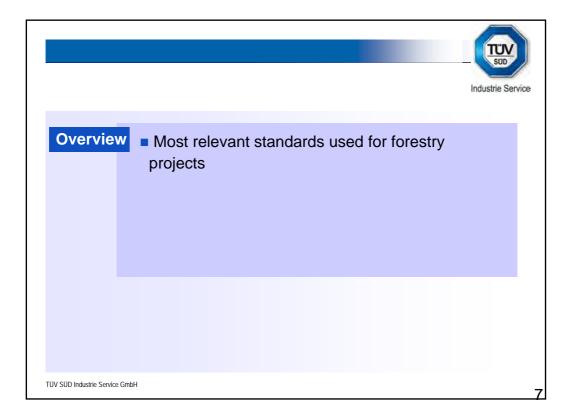
-TÜV SÜD believes that for land use based mitigation projects there is a growing demand for independent third party auditing.

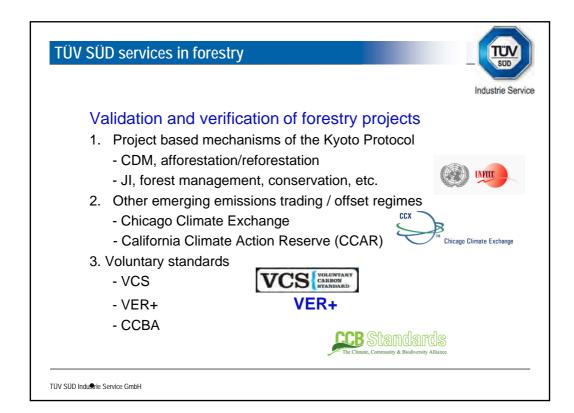
Industrie Service

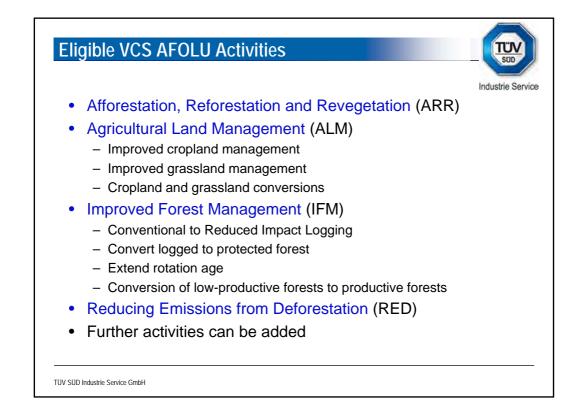
-TÜV SÜD has been speerheading the auditing of afforestation and reforestation projects under the CDM.

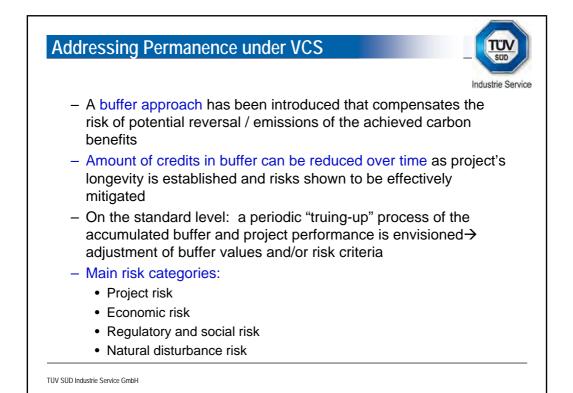
- TÜV SÜD is accredited to deliver auditing serivces under a wide set of standards that include forestry based project activities.

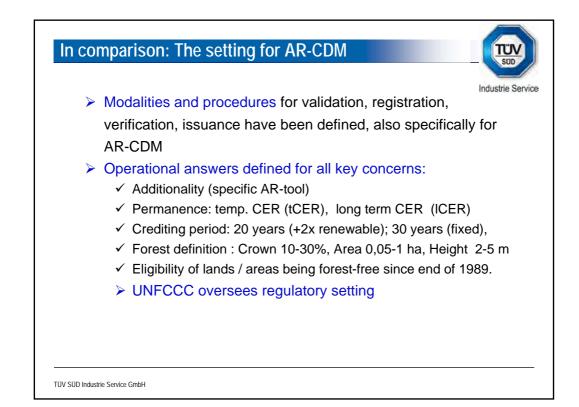


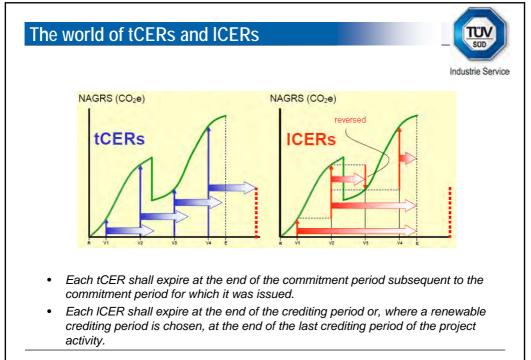












## Some further aspects on methodologies

### Consolidated methodology :

- AR-ACM 0001 approved (page volume reduced by half)
- Accompanied by development of tools (tool-ification)
- Net reduction in document volume of a regular LS meth. vs (ACM + tools) potentially not substantial.

## Small scale methodologies:

•3 methodologies approved – up to now only AR-AMS0001 used (for AR on cropland / grassland).

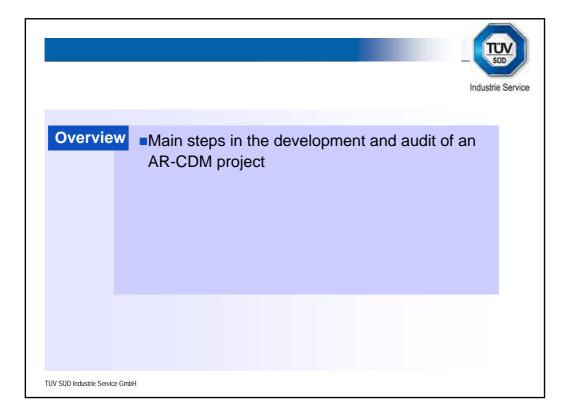
•Project size frequently 200-400 ha; Cap of 16 kt  $CO_{2e}$  p.a. would allow i.e. 1600 ha at a net sequestration rate of 10 t  $CO_{2e}$  ha / p.a.

•SSC is substantially simpler than LS (considering i.e. monitoring ).

## Programme of Activities (PoA)

•LS and SSC PDD templates for PoA and CPA available; not yet used.

•Considered an emerging window when ex-ante project area definition is not fully possible. Unclear liabilities for DOEs. Assessment of eligibility / baseline conditions of total land area should be assured.





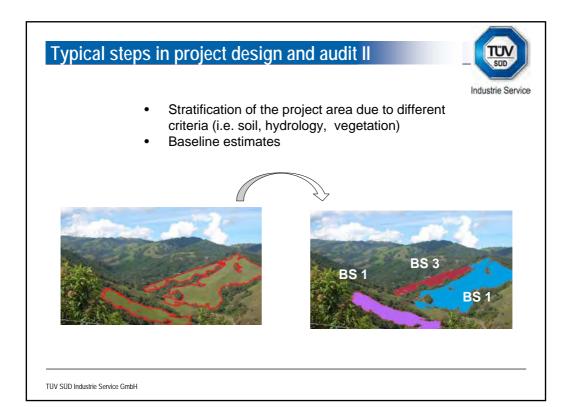
# Typical steps in project design and audit I



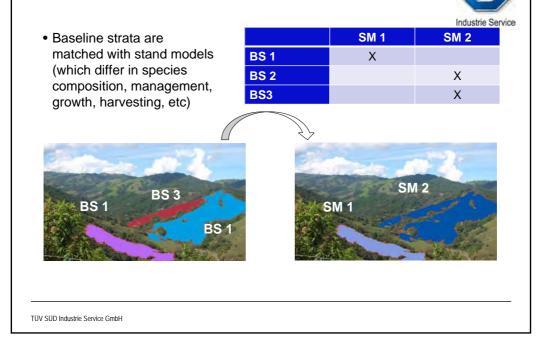
- Project idea
- Considerd project area / region
- Check on applicability criteria
- Defintion of project boundary







# Typical steps in project design and audit III



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## Additionality tool



For AR-CDM, additionality requirements are mirrored from regular CDM:

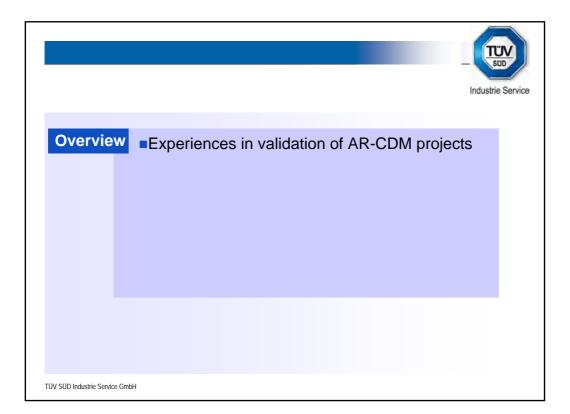
STEP 0. Starting date of the A/R project activity (consideration of CDM)

- STEP 1. Identification of alternative land use scenarios to the A/R project activity;
- STEP 2. Investment analysis to determine that the proposed project is not the most economically or financially attractive alternative; or
- STEP 3. Barriers analysis (including evidence on their prohibitive character);
- STEP 4. Common practice analysis

For SSC, the additionality analysis based on barriers is included to Appendix of the methodology.

Up to now, mostly barrier analysis.





## **General impressions**



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- ✓ Up to now, high quality projects with mutual ecologic and social co-benefits
- ✓ Early movers have gained hard lessons learnt in meth approval process.
- ✓ Increased number of methodologies facilitates AR-CDM. Applicability remains narrow.
   Differences among meths unclear to players.
   AR-ACM0001 has been an important step.
- ✓ Number of consultants working in the field is limited and expands slowly.
- Participants on the ground with vague knowledge on process and requirements underestimation on the complexity of (AR-)CDM.
- ✓ Interest of compliance market reduced due to i) small volumes up to 2012, ii) unclear demand (i.e. no EU-ETS) and iii) unfamiliarity with AR-CDM



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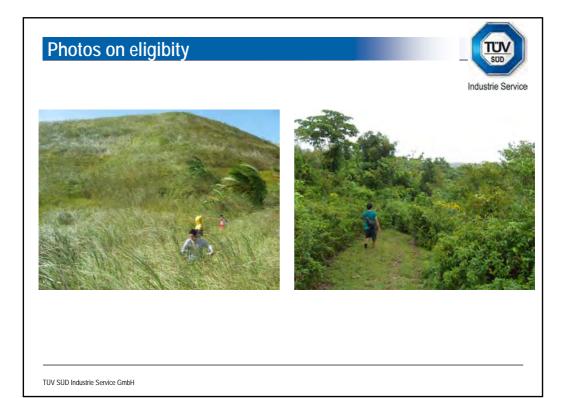
# Impressions on eligibility



- Eligibility issues mostly in tropical regions (regeneration).
- Few project developers focus on the current vegetation and not also on potential that this can become forest at maturity
- Partial confusion CDM forest definition with other nat. definitions by local foresters
- Partially crown cover not put to relation to reference area but entire plot.
- Discrete parcels smaller than min. area not eligible due to unability to demonstrete A/R compliance
- More theoretic: geographic extension of discrete / minimum areas.

In regard to information sources used, especially on historic land use:

- mostly remote sensing, and mostly with well developed expertise
- Partially not the "right" dates available for images (e.g. early 90ies), which leads to hybrid aproaches jointly with other sources.
- Consistency of image resolution (mostly Landsat, 30m) and min. area partially item of dicussion.



# Validation experiences



Validation experiences:	Potential response:
<ul> <li>All projects opt for reforestation</li> <li>Frequently the step wise approach is not followed (for stratification, additionality, baseline)</li> <li>Baseline:</li> </ul>	<ul> <li>No need to dfferentiate between A/R</li> <li>Guidance / general capacity building with focus on meth relevance.</li> </ul>
<ul> <li>Baseline study is frequently carried ahead of final results of stratification. Adequate estimates relevant for removal calculations.</li> <li>Additionality:</li> </ul>	<ul> <li>Guidance / capactiy building on basline estimates</li> </ul>
<ul> <li>mostly barrier focussed; as in reg. CDM, developers indicate numerous barriers ,which need to be sustained.</li> <li>financial analysis of growing importance.</li> </ul>	<ul> <li>Cap. building: Further emphasis that barriers need to be prohibitive</li> <li>Guidance, since finan. analysis is challanging for long crediting periods</li> </ul>

Validation experiences	
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Validation experiences:	Potential response:
Leakage • Main focus on activity displacement. Up to recently no methodology included the continuation of agricultural activities under project scenario (agroforestry).	<ul> <li>Guidance. If agriculural activities are continued as under baseline cond., it is considered that leakage is limited or does not emerge. Agroforestry / intercropping could be mixed with reg. reforestation.</li> </ul>
Monitoring <ul> <li>Parameter and monitoring requirements are copied from methodology. Local players partially uninformed about relevance of monitoring for issuance.</li> </ul> Net removal caluclation	<ul> <li>In line with efforts on streamlining methodologies, potential reduction of parameters to be monitored (from &gt;100) should be pursued.</li> <li>Use of a standardized tool (i.e. TARAM) could be recommended.</li> </ul>

# Summary for AR-CDM policy makers



- The achievements on AR-CDM on the regulatory side are substantial and worth to be emphasized – also in relation to VER standards and REDD. The delay in projects is not (only) because of sophisiticated methodologies.
- AR-ACM0001 has been an important step. Further potentials for improved LS applicability should be explored. Impact of new tools to be seen.
- Furhter capacitiy building on key AR-CDM concepts (permanence, elgibility etc) considered necessary (i.e. for traders and/or in specific regions such as Africa).
- On the technical side further guidance is considered to be necessary on: how to include boundary data, incorporation of agroforestry, streamlined monitoring requirements, pot. revisit base year definition for elegibility
- Reduction of formal requirements to be complied by DNA; respectively increase DNA capacities to take AR-CDM related decisions necessary.
- All potentials to streamline the methodological framework without hampering conservativeness should be explored.

