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Nordic Forest Research
Co-operation Committee (SNS)

Send the report to SNS-secretary Mimmi Blomquist (SNS@slu.se)

ANNUAL STATUS REPORT for CAR

YEAR: 2016

Please notice that the size of text sections in the form can be adjusted if needed.

The length of the final report should not exceed 3 pages. **Supplementary information can be attached**

1. CAR titel	CARISMA (Centre of Advanced Research for the innovative use of 3D remote sensing in mapping of forest and landscape attributes based on national forest inventories)
2. CAR coordinator (name, address, telephone, e-mail)	Johannes Breidenbach, NIBIO, Høgskolevegen 8, 1431 Ås 0047-99881892 Job@nibio.no
3. Duration	2016-2020
4. CAR status	Does the CAR develop according to the plans? Please describe: Yes. (see activities and results.)

<p>5. Activities during the reporting year</p>	<p>A web site was established (http://www.nibio.no/en/prosjekter/carisma) and updated with presentations and pictures of the workshop.</p> <p>The core group had 5 telephone conferences and 1 actual meeting for planning and exchange of ideas.</p> <p>As one result of the workshop on large-scale mapping and estimating of forest resources (see below), Annika Kangas (member of the CARISMA core group) started writing a policy paper (Forest inventories in Nordic countries – roadmap for the future) that will be submitted in 2017. The CARISMA core group is among the co-authors.</p> <p>The next CARISMA workshop is planned for August 2017 in Helsinki, Finland. The topic will be new remote sensing based field measurements.</p>
<p>6. Results achieved during the reporting year</p>	<p>A joint CARISMA and EFINORD-SNS LiDAR workshop on large-scale mapping and estimating of forest resources with more than 40 participants, 2 key-note talks, and 18 scientific presentations (http://www.nibio.no/en/info/presentations) was held in Ås, Norway, 26th - 28th of September 2016. Scientists and some practitioners from Sweden, Denmark, Finland, Iceland, Lithuania, Estonia, Germany, Canada, and Norway were participating.</p> <p>In cooperation with experts on soil sciences, an ERA-GAS proposal (INVENT) was submitted by the CARISMA partners (the Finnish partner could not join due to formal constraints).</p>
<p>7. Publishing and communication during the reporting year International scientific peer reviewed journals, other scientific publications, short communications, web etc.)</p>	<p>Press release Norway: http://www.nibio.no/nyheter/national-forest-inventories-and-remote-sensing--better-information-better-decisions</p> <p>SNS press release: http://www.nordicforestresearch.org/wp-content/uploads/2011/02/NV-4-2016.pdf</p> <p>FAO billboards: http://www.unece.org/forests/forest-information-billboard/issue-1-2016.html</p> <p>Minutes of the 6 (telephone/Skype) core group meetings.</p>

<p>10. Short economic report (overview) of the reporting year</p>	<p>A total of 350.700 NOK (350.000 SEK) were received by NIBIO from SNS in 2016. For simplicity, we use the conversion 1 SEK = 1 NOK. The budget was 228.000 NOK of which 196.000 NOK were used and distributed among the partners. Due to the synergies between CARISMA and the EFINORD-SNS network on large scale laser scanning (a one-year project in 2016 lead by the Danish partner), the use of funds in 2016 was smaller than expected.</p> <p>According to plans, 24.000 NOK were transferred to Finland, 24.000 NOK were transferred to Sweden, and 14.000 NOK were transferred to Denmark.</p> <p>Finland has used ca. 32.000 NOK (ca. 8.000 NOK more than expected) and will cover the exceeding amount from funds for next year's budget. Sweden has used approximately 24.000NOK. Denmark has not used the 14.000 NOK due to the mentioned EFINORD-SNS network and will use the funds in the coming years.</p> <p>Norway has used 134.000 NOK for coordination of the network and organization of the joint CARISMA and EFINORD-SNS laser scanning workshop. 32.000 NOK will be transferred to 2017 in addition to the planned transfer of 122.000 NOK.</p>
<p>11. Date and signature</p>	<p>Date: 21 Feb 2017</p> <p>Signature of CAR coordinator:</p> 

