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Nordic Forest Research  
Co-operation Committee (SNS)

Send the report to SNS-secretary Katrine Hahn Kristensen ([hahn@life.ku.dk](mailto:hahn@life.ku.dk))

## ANNUAL STATUS REPORT for AdapCAR


### YEAR: 2013

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	AdapCAR
2. CAR coordinator (name, address, telephone, e-mail)	Professor Erik D. Kjær, Forest & Landscape Denmark, University of Copenhagen, Rolighedsvvej 21, DK-1958 Frederiksberg C. Telephone: +45 353 31624 e-mail: <a href="mailto:edk@ign.ku.dk">edk@ign.ku.dk</a>
3. Duration	1. January 2011 – 31. December 2015
4. CAR status	The CAR is developing according to the activity program. Meetings and workshops were held and support has been given to exchange of scientific staff and scientific missions. We did not hold any major conference in 2013, and part of the annual budget was therefore not spend because will be intended for the next Nordic conference.

<p>5. Activities during the reporting year</p>	<p><u>Workshops and technical meetings</u>  Combined workshop and PhD course on <i>genomics based breeding in forest trees</i> at the University of Copenhagen 16-19 September. Lecturers at the workshop were Ross Whetten and Fikrit Isik, both from North Carolina University.</p> <p>The first-day workshop, the 16<sup>th</sup> September included presentations from nine invited speakers representing <i>forest tree-, animal- and plant breeding</i> and 31 people attended the first day meeting. In the following three days participants were introduced to quantitative genetics, genomic selection and genotyping by sequencing data analysis and the software available for the different analysis.</p> <p>A workshop/field tour on <i>breeding for resistance against Ash die-back</i> was organized in North Sealand, Denmark, 7/9.2013. 19 people participated from 8 countries. Field trials were visited, techniques demonstrated and future cooperation and interaction discussed.</p> <p><u>Joint Nordic Forest Genetic reviews</u>  A review on role of exotic species in Nordic Forestry was developed and submitted (January 2014) for publication in Scandinavian Journal of Forestry</p> <p>A review of economic gains from breeding programs in progress. First draft circulated in 2013.</p> <p>The two reviews will be used for policy briefs on the economics on forest tree breeding, and the role of exotic species, respectively. We plan to publish these policy briefs so that they can occur simultaneously with the published full length reviews.</p> <p><u>AdapCAR has supported the following scientific missions in 2013:</u></p> <p>Support to a second travel of Professor Martin Lascoux to sample seed in Norway spruce/obovata populations, but this time in Central Russia to study the clinal variation in phenology and relate it to variations in SNPs.</p> <p>Support to Teijo Nikkanen, Finnish Forest Research Institute to travel to the Annual meeting of NAC (Nordic Arboretum Committee) and mini-conference in Gothenburg June 10-13. 2013.</p>
<p>6. Results achieved during the reporting year</p>	<p>Organisation of workshops</p> <p>Scientific missions: Sampling of buds from Scots pine populations in Central Russia to study the spatial genetic structure of Scots pine completed in 2013.</p> <p>Joint publications developed</p>
<p>7. Publishing and communication during the reporting year International scientific peer reviewed journals, other scientific</p>	<p>Policy Briefs on Genomics based breeding in forest trees <i>published</i> in 2013.</p> <p>Policy Briefs on Genomics based breeding in forest trees and invasive species <i>published</i> in 2013.</p> <p>Review on role of exotic species in Nordic forestry prepared and submitted for peer reviewed publication. Review on economic gains from tree breeding is in advanced draft.</p>

publications, short communications, web etc.)																												
10. Short economic report (overview) of the reporting year	<table border="1"> <thead> <tr> <th data-bbox="459 454 954 488">Activity</th> <th data-bbox="970 454 1145 488">Budget 2013</th> <th data-bbox="1177 454 1353 488">Costs 2013</th> </tr> </thead> <tbody> <tr> <td data-bbox="459 488 954 521">Business meetings</td> <td data-bbox="970 488 1145 521">30000</td> <td data-bbox="1177 488 1353 521"></td> </tr> <tr> <td data-bbox="459 521 954 555">Salary-Coordination, Organisation</td> <td data-bbox="970 521 1145 555">140000</td> <td data-bbox="1177 521 1353 555">140212</td> </tr> <tr> <td data-bbox="459 555 954 589">Common reviews</td> <td data-bbox="970 555 1145 589">95000</td> <td data-bbox="1177 555 1353 589"></td> </tr> <tr> <td data-bbox="459 589 954 622">Travels</td> <td data-bbox="970 589 1145 622">30000</td> <td data-bbox="1177 589 1353 622"></td> </tr> <tr> <td data-bbox="459 622 954 678">Mobillity/support to scientific missions</td> <td data-bbox="970 622 1145 678">45000</td> <td data-bbox="1177 622 1353 678">22005</td> </tr> <tr> <td data-bbox="459 678 954 712">Workshops-Conferences</td> <td data-bbox="970 678 1145 712">90000</td> <td data-bbox="1177 678 1353 712">64703</td> </tr> <tr> <td data-bbox="459 712 954 745">Other costs</td> <td data-bbox="970 712 1145 745">20000</td> <td data-bbox="1177 712 1353 745">721</td> </tr> <tr> <td data-bbox="459 745 954 779"><b>Total</b></td> <td data-bbox="970 745 1145 779"><b>450000</b></td> <td data-bbox="1177 745 1353 779"><b>227641</b></td> </tr> </tbody> </table>	Activity	Budget 2013	Costs 2013	Business meetings	30000		Salary-Coordination, Organisation	140000	140212	Common reviews	95000		Travels	30000		Mobillity/support to scientific missions	45000	22005	Workshops-Conferences	90000	64703	Other costs	20000	721	<b>Total</b>	<b>450000</b>	<b>227641</b>
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11. Date and signature	Date: 28/2.14  Signature of CAR coordinator:																											

