

Årsrapportskema for år 2012.

Projektidentifikation

EFP-2009 (angiv år)	Journalnr.: 64009-0216
Vedr.:	
Titel: EFP- IEA Task 43: Biomass Feedstocks for Energy Markets 2010 - 2012 (angiv år)	

Tilsagnshaver (projektansvarlig)

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Projektleder: Kjell Suadicani	Telefon: 60630816

Totale udgifter (forbrug) (1000 kr.)

	Budget (tilsagn)	Afholdte udg.
År 1	117413	37584
År 2	119934	161208
År 3	122743	161208
I alt	360090	360000


Udgifter i 2011 og 2012 er fordelt ligeligt, da de ikke kan adskilles i Skov & Landskabs regnskaber.

Tidsplan (Se regler for modtagelse af tilskud)

Godkendt projektperiode (åååå/mm):

- Projektet følger den godkendte tidsplan.
- Projektet følger ikke den godkendte tidsplan (beskrives i vedlagte årsrapport).

Tilsagnshaver (projektansvarlig)

.....18/11 2013.....	Kjell Suadicani...	
Dato	Navn og underskrift	

Forbeholdt Energistyrelsen

Sagsbehandling:

1. Projektets faglige fremdrift (hvilke faser eller hovedaktiviteter, der er afsluttet, opfyldelsen af de faglige delmål, hvilke resultater, der er opnået)

The work in the Task has progressed in good order. There have been slight delays for some activities, as described below.

- Project No. 5 “Environmental performance of supply chains”: the work continues as planned but is slightly delayed
- Project No. 8 “Associate Editor (bioenergy) for Wiley journal: WIREs - Energy and Environment”: The journal launch has been postponed from March to June in order to build a sufficient stock of accepted and commissioned articles.
- Project No. 3 “Economic sustainability of supply chains”, which was reported with red flag in the progress report to ExCo68, has now been completed. Tanja Ikonen at Metla has joined the project team and led the work with the report together with other members of the Task. Inge Stupak contributed to a chapter on environmental aspects related to economic sustainability, and overall implications in governance.

Furthermore, work has been undertaken in collaboration with Task 40 and Task 38 to address challenges in relation to biomass and bioenergy certification. This work has resulted in four main reports and a summary report, which Inge Stupak has co-authored. A scientific peer review paper with Inge Stupak as main author of the paper will provide a thorough analysis of 192 responses to a survey about biomass and bioenergy certification is in progress. Planned submission is January 2014.

2. Tidsplan: følges tidsplanen? Hvis ikke, oplyses årsag og konsekvenser for realisering af projektmålene og resultatudnyttelsen. Det angives endvidere hvilke foranstaltninger, der tænkes foretaget for at indhente forsinkelsen. Såfremt projektet indgår i sammenhæng med andre projekter angives, om forsinkelsen vil have konsekvenser herfor. Såfremt projektet er bagud i forhold til tidsplanen, skal der indsendes en revideret tidsplan EUDP-sekretariatet til godkendelse.

All deliverables planned for 2012 has been completed on time.

3. Eventuelle kommentarer til videre forløb

A prolongation was proposed at the ExCo 69 meeting in Istanbul, Turkey. Task 43 has been prolonged for the period 2013-2015.

The new participants from Denmark are Inge Stupak and Niclas Scott Bentsen.

4. Eventuelle publikationer mv. (offentliggjorte publikationer, artikler mv. og afholdte workshops mv. eventuelle supplerende oplysninger (fx kommentarer til samarbejdet med eventuelle projektpartnere, ændringer i projektets aktualitet)

Task 43 workshop – *Bioenergy and water* – organized during the Bioenergy Australia Annual conference 2012 in Sunshine Coast, QLD, Australia. Nov 25, 2012. Workshop summary and presentations available on T43 website.

Seminar jointly organized by Task 43, UNEP and Roundtable for Sustainable Biofuels (RSB). March 14, 2012. The seminar was arranged as a part of the 6th World Water Forum, thematic area “Harmonize Water and Energy”, where Task 43, UNEP and RSB form the so-called Targets and Solutions Group 7 (TSG7). The seminar established a target for the area “Biofuel production and water management” that will be the basis for further work up to 2015. Task 43 members Dan Neary (USA) and Jean-Francois Dallemand (EC-JRC) contributed presentations. Info on 6th World Water Forum can be found at <http://www.worldwaterforum6.org>.

Report “Sustainable Biofuels Production” presented at 6th World Water Forum in Marseille March 12-17, 2012. The report was presented at the TSG7 seminar described above. The report was produced based on inputs from Task 43, UNEP, RSB and individuals from other institutes

Task 43 business meeting in Charleston, SC, USA. Feb 20, 2012. Meeting minutes have been distributed.

Task 43 workshop – Mobilizing Sustainable Supply Chains for Forest Biomass for Energy – organized in Charleston, SC, USA. Feb 21, 2012. Workshop summary is uploaded on the T43 website together with presentations.

Task 43 Technical Report series. One report has been published: Dias, G., Gordon, A.M., Thevathasan, N.V. (2012). Screening Life Cycle Analysis of a Willow Bioenergy Plantation in Southern Ontario. IEA Bioenergy: Task43: 2012:01.

Task 43 report series “Promising resources and systems for producing bioenergy feedstocks”. Two reports have been published: Abrahamson, L.P., Volk, T.A., Smart, L.B., White, E.H. (2012). Short Rotation Willow for Bioenergy, Bioproducts, Agroforestry and Phytoremediation in the Northeastern United States. IEA Bioenergy Task43: PR2012:01. George, B., Nicholas, I. (2012). Developing options for integrated food-energy systems. Vol. 1- Rationale for industry development, species criteria and selection. IEA Bioenergy Task 43: PR2012:02.

Wiley Interdisciplinary Reviews: Energy and environment. The journal has been launched in June and it includes 14 papers within the subject area “Bioenergy”, for which Task 43 has had editorial responsibility.

New website – Perennial Biomass Crops on the Map. Task 43 has taken the initiative to develop a website where researchers and producers can share information of perennial biomass crop research and production. The site should provide users (commercial and research) with an efficient tool to access relevant regional specific information on perennial biomass crops. This should benefit research and commercial initiatives by providing efficient access to old and current data and experience from commercial trials, which are often not or only partially reported on. Website development and management is with Wolter Elbersen and Igor Staritsky at Wageningen University and the work is co-funded by Task 43 and the Dutch Ministry of Agriculture, Nature and Food Quality via Task 43 NTL Jan van Esch. Direct link to the website: www.pbconthemap.org

Ikonen T, Asikainen A, Prinz R, Stupak I, Smith T, Röser D. Economic Sustainability of Biomass Feedstock Supply. IEA Bioenergy Task43 Technical Report, TR2013:01. Available at <http://ieabioenergytask43.org/wp->

content/uploads/2013/09/IEA_Bioenergy_Task43_TR2013-01i.pdf

Pelkmans L, Goovaerts L, Stupak I, Smith CT, Goh CS, Junginger M, Chum H, Goss Eng A, Cowie A, Englund O, Joudrey J, Dahlman L. (2013). Monitoring Sustainability Certification of Bioenergy – Short summary. Strategic Inter-Task Study: Monitoring Sustainability Certification of Bioenergy. Available on line at: <http://www.bioenergytrade.org/publications.html>

Pelkmans L, Goovaerts L, Goh CS, Junginger M, van Dam J, Stupak I, Smith CT, Chum H, Englund O, Berndes G, Cowie A, Thiffault E, Fritsche U, Thrän D (2014) The role of sustainability requirements in international bioenergy markets. In: Junginger M, Goh CS, Faaij A (Eds.) International Bioenergy Trade: History, status & outlook on securing sustainable bioenergy supply, demand and markets. Springer, Dordrecht (accepted).

Goovaert L, Pelkmans L, Goh CS, Junginger M, Joudrey J, Chum H, Smith CT, Stupak I, Cowie A, Dahlman, Englund O, Eng AG (2013) Task 1: Examining Sustainability Certification of Bioenergy. A cooperation between IEA Bioenergy Task 40, Task 43 and Task 38. Strategic Inter-Task Study: Monitoring Sustainability Certification of Bioenergy. Available on line at: <http://www.bioenergytrade.org/publications.html>

Stupak, I., J. Joudrey, C.T. Smith, L. Pelkmans, H. Chum, A. Cowie, I. Dahlman, O. Englund, C.S. Goh, A. Goss Eng, H.M. Junginger and L. Goovaerts. 2012. Task 2: Survey on governance and certification of sustainable biomass and bioenergy. Strategic Inter-task Study: Monitoring Sustainability Certification of Bioenergy. A joint project involving IEA Bioenergy Task 40, Task 43 and Task 38. Available on line at: <http://www.bioenergytrade.org/publications.html>

Goh CS, Junginger M, Joudrey J, Chum H, Pelkmans L, Smith CT, Stupak I, Cowie A, Dahlman L, Englund O, Eng AG Goovaerts L (2013) Task 3: Impacts of sustainability certification on bioenergy markets and trade. A cooperation between IEA Bioenergy Task 40, Task 43 and Task 38. Strategic Inter-Task Study: Monitoring Sustainability Certification of Bioenergy. Available on line at: <http://www.bioenergytrade.org/publications.html>

Pelkmans, P., L. Goovaerts, T. Smith, J. Joudrey, I. Stupak, O. Englund, M. Junginger, C.S. Goh, H. Chum, A. Cowie. 2012. Task 4: Recommendations for improvement of sustainability certified markets. Strategic Inter-task Study: Monitoring Sustainability Certification of Bioenergy. A cooperation between IEA Bioenergy Task 40, Task 43 and Task 38. Available on line at: <http://www.bioenergytrade.org/publications.html>

Præsentationer:

Stupak, I. and T. Smith (2012). “Sustainability certification for bioenergy – Considerations for the forest sector”. Invited paper presented at the PEFC-Netherlands Annual General Meeting. 22 November 2012. Almere, the Netherlands.

Smith, T. and I. Stupak (2012) “How certification can help meet society’s sustainability goals”. Invited paper presented at the 2012 PEFC Stakeholder Dialogue titled “Strengthening the link: Sustainable biomass & forest certification”. 14 November 2012. Vienna, Austria.

Smith, T. and I. Stupak (2012). “Forests for energy – Advancing sustainability in the bioenergy sector”. Invited paper presented at the SFI Inc. Annual General Meeting. 13 September 2012. Milwaukee, Wisconsin.

Stupak I, Titus B, Clarke N, Smith CT, Lazdins A, Varnagyrite I, Peric M, Guidi C (2012) Approaches to soil sustainability in guidelines for forest fuel harvesting and production in forest and plantations. EUROSOIL 2012, Workshop W06.01, Forest bioenergy and soil sustainability, Bari, Italy, 2-6 July 2012.

Stupak, I. (2012) Constraints to mobilizing sustainable biomass supply chains – the ecological perspective. IEA Bioenergy Task 43 Workshop: Mobilizing Sustainable Supply Chains for Forest Biomass for Energy. Charleston, South Carolina, 21 February, 2012.

Stupak, I. (2011) Forest energy and soil sustainability. COST-ESF conference: The Future Role of Bio-energy from Tree Biomass in Europe, Vienna/Austria, 6-11 November, 2011.

Stupak I. (2011) Ecological sustainability – is it above all? Joensuu Forestry Networking Week 2011, Forest and Energy, Joensuu, Finland, 23-27 May 2011.

B. Lattimore, B.D. Titus, C.T. Smith, *I. Stupak* (2011) Ensuring sustainability in Ontario's forests: standards and LCA for forest bioenergy production. Woody Biomass Energy Research Symposium Burlington, Vermont, April 28. 2011.

Stupak I, Raulund-Rasmussen K (2010) Bæredygtighedskriterier og certificering. Workshop om faste biobrændsler til el og varmeproduktion i Danmark, arrangeret af Fjernvarme Fyn, AffaldVarme Århus, CTR, Københavns Energi og VEKS. CTR Frederiksberg, 10. marts 2010.

5. Eventuelle supplerende oplysninger

We apologize for the delay of the reporting, and also that approved funds has not been used, despite the comprehensive work that has been undertaken. This is partly due confusion around transition of economic systems within the University. We ask for permission to use the not used funds within the prolonged project.

Der er vedlagt revisorerklæring for følgende projektdeltagere (deltagere, der fået tilsagn om tilskud på 10 mio. kr. eller derover):