# **EuroCoppice**

Innovative management and multifunctional utilization of traditional coppice forests - an answer to future ecological, economic and social challenges in the European forestry sector

#### WG 2 & 4 Meeting in Brno, CZ April 8<sup>th</sup>-9<sup>th</sup> 2015

Albert-Ludwigs-Universität Freiburg

Chair of FP 1301: Gero Becker Organization: Alicia Unrau

Chair of Forest Utilization University of Freiburg, Germany EUROPEAN COOPERATION IN SCIENCE AND TECHNOLOGY URG

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### Agenda

- 1. Welcome → Participants, Management, Coppice Conference
- 2. Agenda  $\rightarrow$  Modifications and/or approval
- 3. Formalities → Participant List & Travel Reimbursement
- 4. Update status quo  $\rightarrow$  New Member, Publications, Grant Period 2
- 5. Ongoing activities  $\rightarrow$  STSMs, Website, Publications
- 6. Upcoming activities  $\rightarrow$  TS, Reporting, Meetings, Glossary, Progress
- 7. Any other business  $\rightarrow$  Anything to add?





#### Welcome to the WG 2 & 4 Meeting of FP 1301 EuroCoppice in Brno

#### Radomir – Thank you for hosting us!

Participants // New FP1301 Management // Participation in Coppice Conference



Blick auf Brünn von der Festung Špilberk; Licensed under CC-BY-2.5; Norbert Aepli, Switzerland; http://de.wikipedia.org/wiki/Br%C3%BCnn



### 2. Agenda

	08.04.	9:00 - 10:00	Welcome and all participants meeting			
		10:00 - 12:00	WG Meetings (separate groups)			
		Lunch				
		13:00 -16:30	WG meetings (separate groups)			
		(14:00-15:00)	(Parallel: Steering Group meeting)			
		17:00	Departure from Křtiny			
		17:30	Arrival to Brno			
	09.04	08:30 - 9:30	WG meetings (separate groups)			
		(9:00-10:00)	(Parallel: Steering Group Meeting if needed)			
		10:00-11:00	Reporting from WGs: All participant Meeting End of Meeting			
		12:00 Lunch				
		14:00	Coppice Conference			
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#### 3. Formalities

#### Participant List

• Please sign the Attendance List today and tomorrow

#### TRR (Travel Reimbursement Request)

- Upload invoices & tickets in e-COST
- Original and signed TRRs (hardcopy, ie. paper form);
  - $\rightarrow$  Hand in to Alicia Unrau if you have it with you, or
  - → Send via post to Alicia immediately following the meeting
- The sooner we receive the documents, the sooner you can be reimbursed!



#### 3. Formalities cont.







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#### 4. Update status quo (I)

- New Member: Request from Israel was approved Ben-Gurion University; Orna Reisman-Berman
- Publication in Biomass & Bioenergy Vanbeveren, S. P. P., Schweier, J., Berhongaray, G., & Ceulemans, R. (2015). Operational short rotation woody crop plantations: Manual or mechanised harvesting?. *Biomass and Bioenergy*, 72, 8-18.



Operational short rotation woody crop plantations: () Cross Manual or mechanised harvesting?

#### S.P.P. Vanbeveren<sup>a,\*</sup>, J. Schweier<sup>b,1</sup>, G. Berhongaray<sup>a</sup>, R. Ceulemans<sup>a</sup>

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ARTICLE INFO	A B S T R A C T				
Article history:	Harvesting is the most expensive, but the least investigated process in the cultivation of				
Received 20 August 2014	short rotation woody crops (SRWC). To get a better idea of the harvesting process (in terms				
Received in revised form	of its performance, productivity, cost, soil compaction, cutting height and quality as well as				
14 November 2014	biomass losses), we closely monitored the second harvest of a SRWC culture in Flanders				
Accepted 20 November 2014	(Belgium). We compared our results to the harvests of other, small European parcels. The				
Available online	trees at our site were harvested with both a manual and a mechanised (Stemster harvester)				
	cut-and-store system, while the cut-and-chip system was analysed from an extensive				
Keywords:	literature survey. The production cost (to the edge of the field) at our site reached 426				
POPFULL	(manual) and 94 (mechanised) € t <sup>-1</sup> , while the average values found in the literature are				
Wood chips	respectively 104 and $78 \in t^{-1}$ , versus $17 \in t^{-1}$ for the cut-and-chip harvesting system. The				
Poplar	productivity at our site reached 14 (manual) and 22 (mechanised) oven-dry tonnes per				
Harvesting efficiency	scheduled machine hour, while the average values found in the literature are respectively				
Motor-manual harvesting	15 and 23 t h <sup>-1</sup> . Based on the good performance (ha h <sup>-1</sup> ) and productivity (t h <sup>-1</sup> ) of the cut-				
-	and-chip system as well as its lower costs, this harvesting system is recommended for operational SRWC				
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1. Introduction

In the light of the ID's target to obtain a 20% overall share of energy from sustainable sources [1], biomass it is considered being one of the most interesting options to generate rensevable energy [2]. Short rotation workly crops (SRVQ) are very suitable for the efficient production of biomass [3,4]. The fast growth, the high yield and the valishibility of disasse resistant genotypes make poplara (Popular app) and willows (biolizep). Ideal species for SRVC [5–8]. Within the SRVC cultivation

method, trees are harvested every 2-5 years over a total period of 20-30 years [9].

Extensive research has already been performed on various aspect of SUVC as the selection of unlable species and genotypes [10,11]; the influence of regular coppicing [10,12]; the duration and frequency of rotation cycles [5,13]; management issues related to planting weeding [116], pericide application, irrigation [15,16]; etc. Although detailed information about the harvesting processive of SUVC is crucial, it is still not possible for a farmer to estimate the expected harvesting costs in davance. Expectably the costs and the effectiveness of different davance. Expectably the costs and the effectiveness of different strangest of the species of the spectra of the

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### 4. Update status quo (II) GP2

Grant Period 2 began with changes due to e-COST & H2020 and a forced budget cut

	Spent in	Plan for Grant	Difference
	Grant Period 1	Period 2	GP2-GP1
Meetings	115.868,69 €	112.460,00 €	-3.408,69 €
Training	17 623 80 €	17 340 00 €	
Schools	17.020,00 0	17.040,00 C	-283,80 €
STSMs	22.824,00 €	16.000,00€	-6.824,00 €
Dissemination	4.000,00€	1.100,00€	-2.900,00€
TOTAL	160.316,49€	146.900,00€	13.416,49 €
		Originally 171	000 00 <del>E</del>

We will campaign for more funds for 2016!

### 5. Ongoing activities (I) STSMs 2015

Date From	Date To	Early	Early Gender	From T	Το	Status	Amount
Date Hom	Butte 10	Stage	Genael	ITOIII	10	Status	approved
15.01.15	15.03.15	У	Μ	SR	DE	approved	€ 2.500,00
15.01.15	15.03.15	У	M	SR	DE	approved	€ 2.500,00
25.05.15	12.06.15	У	Μ	CZ	SL	approved	€ 1.820,00
01.07.15	31.07.15	У	M	IT	ES	approved	€ 2.460,00
05.07.15	18.07.15	У	M	CZ	HG	approved	€ 1.380,00
08.04.15	18.04.15	У	M	LV	CZ	approved	€ 1.140,00
01.07.15	15.07.15	У	F	IT	SA	evaluation	€ 1.934,00
01.01.15	30.04.15	У	F	ES	FR	not approved	Lack of relevance
02.02.15	20.02.15	У	M	SL	IT	not approved	to coppice topic
04.05.15	18.05.15	У	M	SB	CZ	not approved	
16.03.15	31.03.15	У	M	SP	IT	not approved	Same applicant;
04.06.15	20.06.15	У	M	SP	IT	withdrawn	personal reasons
						TOTAL	€ 11.800,00
						With pending	€ 13.734,00
							_
	F						9



### 5. Ongoing activities (I) STSMs 2015

- 6 approved, 1 pending (of 8 scheduled)
- 13 734 € of 16 000 € allocated (=86%)
- Approved participants & reports are on the website



Find the STSM Call at: www.eurocoppice.uni-freiburg.de





### 5. Ongoing activities (I) STSMs 2015

- Currently 1 or 2 places left; Make sure applications are relevant to EuroCoppice (!)
- If less spending in other activities, more funds my be available for STSMs
- Clear expectations of aim of STSM & report, as well as WG focus will be discussed with the Steering Group and results communicated soon



Find the STSM Call at: www.eurocoppice.uni-freiburg.de





## 5. Ongoing activities (II)

#### Website

- Our website is updated continuously <u>www.eurocoppice.uni-freiburg.de</u>
- Documents which should be put online can be send via email to <u>eurocoppice@fobawi.uni-freiburg.de</u>.

#### **Publications**

- Please remember to acknowledge the Action and COST in relevant publications
- Publication / presentations / dissemination activities are relevant to the website & progress report; please send via email (see above)



### 6. Upcoming activities (I)

#### 2<sup>nd</sup> Training School in Vallombrosa, Italy

- **Topic**: COPPICE HARVESTING AND USE OF PRODUCTS AS A SOURCE OF RENEWABLE ENERGY
- Dates: 10.05.2015 15.05.2015
- Location: Vallombrosa, Florence, Italy
- Venue: School of Agriculture Field Training Center, University of Florence
- **Trainees**: 16 (increased from 15)



2<sup>nd</sup> Training School. Vallombrosa (Florence), Italy

 $\rightarrow$  The Call closed on March 30th; there were 30 applicants; they will be contacted soon





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### 6. Upcoming activities (II)

#### **Progress Report**

- Period from Nov 2013 April 2015 (18 Months)
- Due April 30<sup>th</sup>
- Will be evaluated remotely by Miodrag Zlatic, based on report and web documentation
- \*\*Alicia will ask for relevant publications soon via email\*\*
- Once approved, report will be published on COST website



### 6. Upcoming activities (III)

#### Next MC & WG Meeting and Conference in

Bucharest, Romania Oct 19<sup>th</sup> – 21<sup>st</sup> 2015

Hosted by Noro Nicolescu Transilvania University of Brasov Faculty of Silviculture and Forest Engineering





### 6. Upcoming activities (IV)

#### **Event Planning**:

1) WG 4 Conference pending
 → Spring/sommer 2016...

<u>2) Training Schools</u>: 2016 / 2017
→ Topic?!
→ Location?!





### 6. Upcoming activities (V)

#### Work Plan WG 2

- 1. Guiding and extensive literature review about ecological and silvicultural aspects of CFM
- 2. Enquiry with coppice forests resource persons, experts and specialists (in cooperation with WG 1) to collect knowledge which may have not yet been published.
- 3. Critical review of the collected material from step one and two and identifying contradictive findings and research gaps.
- 4. Organization of an international conference dealing with ecological and silvicultural issues of CFM.
- 5. Develop a European coppice forest technology in cooperation with WG 1 and WG 3.
- 6. Producing report with best practice guidelines.





## 6. Upcoming activities (V)

#### Work Plan WG 4

- 1. Compiling knowledge on specific protection functions of coppice forests from scientific literature and practical experts.
- 2. Collecting and comparing legislations about the special treatment of coppice forests close to infrastructures (roads, railways, buildings) and derive technical recommendations for future protection CFM.
- 3. Compiling and evaluating critically existing literature and knowledge about the specific services of coppice forests to nature conservation (e.g. biodiversity, endangered species).
- 4. Compile and evaluate legal documents about specific rules and legislation related to coppice forests and conservation and biodiversity issues.
- 5. Organize an international conference on services, protection and nature conservation and CFM.

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### 7. Any other business







### EUROPEAN COOPERATION IN SCIENCE AND TECHNOLOGY

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