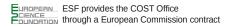




FP1005: Fibre suspension flow modelling - a key for innovation and competitiveness in the pulp & paper industry

Start date: 11 May 2011

Cristian Marchioli FP1005 MC8, Université de Caen, Caen, 24 October 2014



05/06/2014 11:30-12:30

1. Welcome to participants

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- 8. Training Schools
- 9. Action's Final Conference
- 10. Publications, dissemination and outreach activities
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Status of the COST Action

Action details MoU: 4201/10 CSO Approval: 02/12/2010 Entry into force: 20/01/2011 Start of Action: 11/05/2011 End of Action: 10/05/2015 (first MC meeting + 4 years) Chair: Cristian Marchioli (IT) DC Rapporteur: Andras Vig (HU) Budget: 108 200 € for GP4 (01/07/2014 - 10/05/2015)

Parties (03/06/2014)

Already accepted the MoU: 17 countries (AT, CH, DK, ES, FI, FR, DE, IL, IT, NL, NO, RO, PL, PT, SI, SE, UK)

Current participants: 55(9) in WG1,48(12) in WG2, 60(6) in WG3

Gender Balance: 15.1%

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Budget status for 3rd GP

		Payments BUDGET	Payments ACTUALS	Date	Paid	
(3)	Payments Schedule					
	(3.1) Carry over from previous grant		22.222.26	2012	07.04	
	period		22,233.36	EUR 2013-	-07-01	
	(3.2) First Payment	81,250.00 EUR	59,016.64	EUR 2013-	-10-24	
(4)	Sub-total payments	81,250.00 EUR	81,250.00	EUR		
				uals+Accruals		Total
(5)	Eligible costs till 2014-0	8-13	11	11,677.18 EUR		111,677.18 EUR
	Outstanding balance / Oa					
(0)	Outstanding balance / Car	rry-over				
(6)	Carry-over to next period					
(7) In favour of the Grant			30,427.18 EUR			
(7) 30,427.18 EUR 30,427.18 EU						
		Contract Budget	Actuals	Accruals	Total eligible	Delta
Table 1 - I	Eligible costs	EUR	EUR	EUR	EUR	EUR
		а	b	c	d=b+c	g=d-a
A. Scien	nce Expenditure					
A1. Total Meetings (*)		58,300.00	56,243.35	0.00	56,243.35	-2,056.65
A2. Total STSMs (*)		29,000.00	12,236.00	0.00	12,236.00	-16,764.00
A3. Total Training Schools (*)		20,000.00	26,279.67	0.00	26,279.67	6,279.67
A4. Tota	I Dissemination, publications (*)	1,500.00	2,444.80	0.00	2,444.80	944.80
A5. Total OERSA(**) (*)		0.00	0.00	0.00	0.00	0.00
Total Science Expenditure (sum: A1 to A5)		108,800.00	97,203.82	0.00	97,203.82	-11,596.18
B. FSAC	C (Max. 15% of A) (***)	16,200.00	14,473.36	0.00	14,473.36	-1,726.64
C. Total	Eligible Costs (= A+B)	125,000.00	111,677.18	0.00	111,677.18	13,322.82

Budget for 4th GP

	Budget	Spent
STSMs ¹	22 000	-
 Meetings Participant travel costs² Local Organiser Support³ 	51 000 47 200 3 800	- -
Training School ⁴	15 000	-
Dissemination	6 100	-
Scientific Expenditure	94 100	-
Grant Holder FSAC ⁵	14 100	-
TOTAL BUDGET	108 200	-

1 @ least 4 per year as per COST Strategy ESRs

2 Average reimbursement = 800 €/ person

3 LOS (meetings and Training Schools) = 30 €/ participant

4 Trainees n1 x # € grant + Trainers n2 * 800 € avg reimbursement + LOS @ $(n1+n2) * 30 \in =$ Training School budget

5 Under COST Grant System –Grant Holder payment "FSAC" (max 15% of scientific expenditure)

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STSM status: 3rd GP

Name of scientist	M/F	Home Institution	Host Institution	ESR	Start Date	End Date	Days	Amount
List of paid STSMs								
Mr Daniel	Daniel M	Johannes Kepler	University of Udine, IT	Yes	08/07/2013	02/08/2013	26	1729.00
Queteschiner		University Linz, AT	Oniversity of Odine, 11 Tes	105	00/01/2013	02/00/2013	20	1729.00
		Norwegian						
Dr Lihao Zhao	м	University of	University of Udine, IT	Yes	05/11/2013	16/11/2013	12	1440.00
	IVI	Science and	oniversity of ounie, fr					
		Technology, NO						
		University of	CzA™stochowa					
Ms Carla Cotas	F	Coimbra, PT	University of	Yes	03/02/2014	05/04/2014	62	1956.00
			Technology, PL					
Dr Salaheddine Skali	М	Lorraine university	University of Udine, IT	No	02/03/2014	11/03/2014	10	1500.00
Lami		- LEMTA, FR	oniversity of ounie, fr		02/00/2011	11/00/2011		1000.00
		University of		Yes	17/03/2014	11/04/2014	26	1731.00
Dr Jure Ravnik	м	Maribor, Faculty of	University of Udine, IT					
Drodioriania		Mechanical						
		Engineering, SI						
		University of Udine,	NTNU - Norwegian					
Dr Cristian Marchioli	М	M IT	University of Science	No	04/05/2014	17/05/2014	14	2500.00
			and Technology, NO					
Mr Jouni Elfvengren	М	Tampere University	University of Coimbra,	Yes	24/05/2014	15/06/2014	23	1380.00
		of Technology, FI	PT	100	2 1/00/2011		20	
Sub-total ACTUAL Amounts - Paid STSMs							12236.00 EUR	



STSM status: 4th GP

ID	Participant	Start	End	Duration	Letter	Report	Payment
20970	Mr Rui César Costa da Silva	2014-08-21	2014-08-31	11 days	Downloaded	Accepted	Record View Delete
21708	Dr Cristian Marchioli	2014-11-09	2014-11-15	7 days	Downloaded	<u>Review Claim</u> <u>Report Accepted</u>	



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Training Schools

- Particle characterization and multiphase flows monitoring http://www.fp1005.cism.it/pages/FP1005_ts2014monit.html
- Supported by **COST** (FP1005)
- 16-18 June 2014, Dept. Chemical Engineering, University of Coimbra (Coimbra)
- Organizers: G. Rasteiro, P. Faia
- Trainers: G. Rasteiro (UC), P. Faia (UC), F. Garcia (UC), P. Ferreira (UC), J. Salmela (VTT), E. De La Fuente (Madrid), M. Martinez (UBC)

• Trainees: 13 (13 from FP1005)

Training Schools

 Proposals for 2015 Training School

 "Regular and irregular non-spherical particles in laminar and turbulent flow"
 Location: Martin-Luther Universitat, Halle Wittenberg (Germany)
 Dates: May 18-22, 2015
 Organizer: Martin Sommerfeld



Training Schools

M. Sommerfeld (Martin-Luther Universitat, Halle-Wittenberg, DE): Numerical and experimental analysis of aggregate behavior in laminar and turbulent flow

B. van Wachem (Imperial College, London, UK): Large-scale modelling of gas-solid and gas-liquid flows

G. Ahmadi (Clarkson University, USA):

CFD modelling of complex particles in laminar and turbulent flows

C. Marchioli (University of Udine, Udine, Italy): *Eulerian-Lagrangian methods for small non-spherical particles in turbulent flow*

G.P. Romano (University of Roma "La Sapienza", Roma, Italy): Experimental (optical) techniques for two phase flows and sprays laden with complex particles

EUROPEAN COOPERATION IN SCIENCE AND TECHNOLOGY

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Action's Final Conference

- Joint COST-EUROMECH Conference on "Anisotropic particles in turbulence"
- Location: NTNU (Trondheim, NO)
- Motivation: Accessibility and cost of flights
- Local Organizers: H.I. Andersson, A. Soldati
- Expected # participants: around 60
- 4 days
- Dates: 09-12 June 2015



Action's Final Conference

From Vademecum:

The COST Action <u>may be extended</u> beyond its originally intended end date if, during the course of the Action, the MC determines that it is, for technical reasons, impossible to bring the work under the Action to a satisfactory conclusion within the originally envisaged period of duration. Extensions of COST Actions are exceptional and must be duly justified from an S&T or network activities point of view. Should the COST Action that requests an extension <u>need a budget increase</u>, both requests must be introduced at the same time. The final assessment of Actions having benefited from an extension shall include a dedicated section assessing the extension period (see COST 4114/13).



Action's Final Conference

From Vademecum:

The Action MC can decide to organise a final workshop or conference serving to highlight and showcase the achievements of the Action. It should be the last activity of the Action and must occur before the end of the last grant period. It serves to disseminate the Action achievements. In duly justified exceptional cases, and following a formal request for approval from the COST Office, the final workshop or conference may take place after the official Action's end date. The request for approval of this final event must be scientifically justified and submitted at least 6 months before the end of the final grant period. When under consideration, the request for an extension of the Action's duration will need to be formally approved by the COST Office, the DC and the JAF.

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Publications, dissemination and outreach activities

- Publications:
 - Published papers & Acknowledgments
- Dissemination
 - Short paper to Nordic Pulp & Paper Res. J.
 - Books of Training School lectures: under way
 - BPG: Review of experimental techniques for measuring fiber suspensions
- Outreach activity:
 - Collaborations with EFPRO

• Joint Early Stage Researchers Workshop?

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Promotion of gender balance and of ESR

- The total number of participants currently involved in the Action work is 167 (67 ESRs, 26 fem).
- The percentage of female participants is 15,0% (-0.1%).
- The percentage of ESR is 40% (+1%).



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Non-COST country participations

Completed applications from non-COST country institutions

Institution	Country	Researcher(s)
Wesleyan University	USA	Greg Voth
SUNY College	USA	B. Ramarao
University of British Columbia	CAN	J. Olson
University of California Davis	USA	R. Powell
University of Sao Paulo	BRA	S.W. Park

• No new applications from non-COST country institutions



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Place and date of next meeting

- COST FP1005 MC/WG meeting
- Location: NTNU (Trondheim, NO)
- Motivation: Final Conference
- Local Organizer: H.I. Andersson (WG3)
- Expected # participants: around 60
- Duration: 4 days
- Dates: June 12, 2014



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