



# Updates from Project Management

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# WP1 – Project Planning

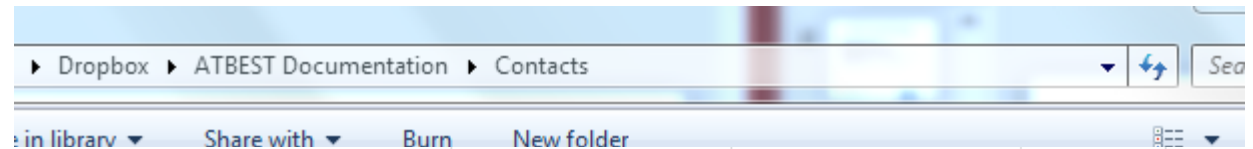
- Management Group
  - Coordinator: Sam McCloskey
  - Project Manager: Simon Murray
  - Training and Communication Manager: Patricia McCrory
  - Project Administrator: Kathryn Rogers

# WP1 – Project Planning

- Management Group
  - Coordinator: Sam McCloskey
  - Project Manager: Simon Murray
  - Training and Communication Manager: Julie-Anne Hanna/Simon Murray
  - Project Administrator: Kathryn Rogers
- Tasks
  - Communication
  - Recruitment
  - Finance
  - Reporting

# WP1 - Communication

- Dropbox



Beneficiary	Project No.	Title	Supervisor		ESR		Country	
			1	2	Name	First name		
1	QUB	ESR 3.1	Genomic optimisation of hydrolysis in biogas production	Prof Mike Larkin	Chris Allen, Leonid Kulakov	Grebosz	Joanna	Pol
		ESR 4.2	Novel technologies for integrated biogas separation and compression	Prof David Rooney	Geoff McCullough, Beatrice Smyt	Liang	Jing-Xiao	Ch
		ESR 5.2	Micro-reforming of biogas for micro-combined heat and power generatio	Prof David Rooney	Alex Gouget	De Rosa	Fabio	Ital
		ESR 5.4	Applications of biogas in chemical energy and liquid fuel production	Prof David Rooney	Geoff McCullough, Beatrice Smyt	Hakawati	Rawan	Le
2	UDE	ESR 4.1	Combined H2S and CO2 removal process for upgrading biogas	Prof. Dr.-Ing. Renatus Widmann	Prof. Dr. Martin Denecke	Jenifer Rajavelu	Keren	Ind
		ESR 5.1	Surplus electricity to biogas via hydrogen	Prof. Dr.-Ing. Renatus Widmann		Giantsiou	Nikoletta	Gre
		ESR 5.3.	Biogas distribution concepts for the transportation sector	Prof. Dr.-Ing. Bernd Noche		Jenne	Christian	Ge
		ESR 5.6.	Digestate distribution for large biogas plants; storage and transport	Prof. Dr.-Ing. Bernd Noche		Vilanova Plana	Paz	Sp
3	CUAS	ESR 3.2	Analysis of anaerobic fermentation process by online spectroscopic UV/Vis, NIR and MIR measurement	Prof Michael Bongards	Dr Christian Wolf	Eccleston	Robin	UK
4	UCC	ESR 2.1	Sustainability and Life Cycle Assessment of feedstock digestion system	Prof Jerry Murphy		Voelklein	Markus	Ge
5	TEA	ESR 2.2	Synergies from co-digestion of grass silage with other feedstocks	Dr Padraig O'Kiely	Prof. Jerry D. Murphy	Himanshu		Ind
6	LIU	ESR 2.3	Supplementation of trace elements to optimise biogas production - bioavailability and microbial response	Prof Bo Svensson	Dr Annika Bjorn	Safaric	Luka	Slc
7	BGE	ER 5.5	Developing strategies to facilitate integration of biogas into the existing gas infrastructure	Ian Kilgallon		Gil Carrera	Laura	Sp
8	SBF	ER 2.4	Development of macroalgae as substrate for biogas production	Prof Jorgen Ejlertsson		Ometto	Francesco	Ita

# WP1: Project Branding



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# WP1: Finance

- Total maximum budget: €3.86 M
- Actual maximum drawdown: €3.71 M
  - decrease in overheads
- Financial period ends June 2015
  - Discuss further at Supervisory Board/May Meeting

# WP1: Reporting

- 6 month activity Reports (Project -> PM/ISG)
- Progress Reports (Project -> EC)
  - Month 12 (June 2014), Month 22 (April 2015), **Month 24 (June 2015)** & Month 36 (June 2016), **Month 48 (June 2017)**
- Mid-Term Review
  - Meeting of Project and EC Project Officer
  - May 2015
- Periodic Reports
  - Finance report & summary of project actions
  - Month 24 (June 2015) & Month 48 (June 2017)

# WP1: Milestones and Deliverables

- 24 Milestones and 31 Deliverables

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		List of Deliverables						
Work Package	M	Deliver. No	Deliverable	Lead Beneficiary	Nature	Dissemination	Month	
		1	D1	Minutes of main meetings	QUB	O	RE	1, 5, 11, 17, 23, 29, 35, 39, 48
		1	D2	Progress, Periodic and Final Reports	QUB	R	RE	1, 5, 11, 12, 17, 23, 24, 29, 35, 36, 39, 48
1	1	2	D3 Project 2.1	a) Energy balance, gas analysis of biogas systems, b) Indirect land use change impact of biogas system, c) Cost analysis of slurry energy crop biogas system	UCC	R,R,R	RE,RE,RE	24, 30, 39
8	2	2	D4 Project 2.2	a) Setting up of lab-scale digester (initial trials) , b) Assessment of optimal combinations of feedstock (Report), c) Economic assessment of feedstock/production systems (Report)	TEA	O,R,R	RE,RE,RE	12, 21, 27
1, 2, 3, 4, 5	4	2	D6 Project 2.3	a) Trace element bioavailability applied on systems digesting different substrates, b) In depth speciation modeling and the chemistry kinetics of trace element supplementation in CSTR and UASB reactors, c) Microbial community structure response in small and full-scale systems	LIU	R,R,R	RE, RE, RE	15, 27, 39
1	5	2	D8 Project 2.4	a) Pre-treatment studies (Report), b) Process development (Report)	SBF	R,R	RE, RE	15, 25
7	6	3	D5 Project 3.1	a) Primer design, PCR studies and optimisation, b) Testing with pilot anaerobic microcosms (Report), c) Integration with industrial partner processes (Report)	QUB	O,R,R	RE, RE, RE	15, 27, 39
2	7	3	D7 Project 3.2	a) Spectroscopic testing to define operation and calibration b) MIR prototype testing, analysis and calibration (Report) c) Field Testing and final project report	CUAS	O,R,R	RE, RE, RE	18, 27, 39
2	8	4	D15 Project 4.1	a) Set up of the individual lab scale reactor for hydro sulphide and carbon dioxide removal , b) Processes developed for gas and microbiological (FISH) analysis (Report), c) Testing and evaluation of combined process	UDE	O,R,O	RE,RE,RE	21, 27, 39
3	9	4	D10 Project 4.2	a) Set-up of manual reactor and completion of test matrix, b) Design of automated prototype, c) Prototype construction, testing and benchmarking (Report)	QUB	R,O,R	RE, RE, RE	21, 27, 39
4	13	Project 4.1	Lab scale reactor for combined hydro sulphide and carbon dioxide removal is set up Both processes optimised, integrated and ready for combined testing and evaluation			UDE		27
4	14		Prototype construction			QUB		31



# WP1: Project Meetings

- All supervisors, Scientists in Charge and Fellows will meet every 6 months
  - November 2013 Belfast
  - May 2014 Belfast
  - November 2014 Cork
  - May 11<sup>th</sup> – 13<sup>th</sup> 2015 Duisburg-Essen
  - November 2015 Belfast
  - May 2016 Linköping
  - November 2016 Belfast
  - May 2017 Cologne

# WP7: Network Training

- Summer schools
  - Enhanced technologies for AD (UDE, June 2014)
  - Sustainable biogas generation and transport (LIU, June 2015)
  - Producing and using good quality digestate (QUB, June 2016)
- Network Conference
  - Linköping, 2016 (DateTBC)

# WP8: Dissemination & Exploitation

- Website: [www.atbest.eu](http://www.atbest.eu) or [www.go.qub.ac.uk/ATBEST](http://www.go.qub.ac.uk/ATBEST)
- Blog: [blogs.qub.ac.uk/ATBEST](http://blogs.qub.ac.uk/ATBEST)
- Social Media
  - Twitter: [@ATBEST\\_ITN](https://twitter.com/ATBEST_ITN)
  - Facebook: [facebook.com/ATBEST.ITN](https://facebook.com/ATBEST.ITN)
  - LinkedIn Group (linked from website)



Thanks for listening



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at Queen's University Belfast  
[www.qub.ac.uk/questor](http://www.qub.ac.uk/questor)