ZERO BRINE

Project Update

Barcelona Project meeting, 19 September 2019

The ZERO BRINE project (www.zerobrine.eu) has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 730390.

Project meeting objectives

Sharing of experiences

Strengthen practical cooperation

Review challenges and select options to tackle these

Sort out administrative issues

Visit partner EURECAT and facilities

WORK TOGETHER!

Project to date

June 2017	Start of Project; Kick-off meeting in Delft
June 2018	Project meeting in Athens
November 2018	End of Administrative Period I; Technical and Financial Report
Februari 2019	External Review by EASME
June 2019	First payment
September 2019	Project meeting in Barcelona

Progress to date- deliverables

Deliverables submitted in Period I

D1.1	M2	TU Delft	M8	Project Management Guidelines
D1.2	M6	TU Delft	M9, M14	Data Management Plan
D2.1	M6	TU Delft	M15, M8	PHREEQC simulations
D2.2	M6	TU Delft	M16, M9	Lab analysis report
D2.3	M10	TUD	**DRAFT**	Bench-scale test using BEC equipment
D2.4	M18	TUD	**DRAFT**	Design procedure
D2.5	M18	Lenntech	**DRAFT**	Detailed engineering drawings
D2.7	M6, M12	TU Delft	M9,14,18	database demonstration wp2
D3.1	M4	SUT	M8	Characterization waste water 3 mines
D3.2	M6, M12	SUT	M10,15, 18	Data Base demonstration wp3
D3.3	M10	SUT	M15	Preliminary design and simulation results
D3.4	M18	SUT	M18	Technical manual describing the operation of coal mine water treatment pilot plant
D3.5	M18	SUT	**DRAFT**	Report on operation pilot system coal mine

Progress to date - deliverables(2)

Deliverables submitted in Period I (continued)

D4.1	M12	CTM	M12	Characterization of waste water in silica
D4.2	M12	CTM	M14	Regeneration and performance of RO membranes
D4.6	M6, M12	CTM	M10,14, 18	Update Data Base demonstration wp4
D5.1	M2, M12	DLR	M10, M14	Update 1 Plan for Shared use of BEC modules
D5.2	M16	DLR	M18	Software tools for simulation
D6.1	M9	NTUA	M14	Knowledge models, correlations and interlinks
D6.2	M13	NTUA	M17	Report on systems tools for analysis
D6.3	M16	NTUA	M18	Semantic web service platform
D6.4	M16	NTUA	M18	Semantic web services portal
D10.1	M3	Revolve	M8, M17	Communication Strategy
D10.2	M4	Revolve	M10	Official Website
D11.1	M2	TU Delft	M8	Ethics requirement 1
D11.2	M2	TU Delft	M9	Ethics requirement 2
D11.3	M2	TU Delft	M9	Ethics requirement 3

Progress to date - deliverables(3)

Deliverables due in Period II

D2.3	10	TUD	draft		Benchscale test using BEC equipment
D2.4	18	TUD	draft		Design procedure
D2.5	18	Lenntech	draft		Detailed engineering drawings
D3.5	18	SUT	draft		Operation & optimization pilot
D3.6	30	TUBITAK			Process lay-out
D3.7	36	TUBITAK			detailed design
D3.8	36	TUBITAK			Operation&optimization
D4.3	36	CTM			Innovative technologies
D6.5	30	ISPT			Application of OBP
D7.3	24	IVL		24	Preliminary LCA/LCC results
D8.1	35	SEALEAU			Framework agrrement tech suppliers
D9.1	35	UNIABDN			EIA from brine discharges
D10.3	24	REVOLVE	draft		Policy briefs
D10.4	24	REVOLVE	draft		field visits

Pilots

Start-up of pilots

- Botlek site I September 2019
- Botlek site II January 2020
- Spain December 2018
- Poland June 2019
- Turkey November 2019

Internal organisation and PR

Website on-line

Stakeholder meetings

Presentations and publications at international fora

Executive Board and TSAT operational

Project Handbook

Data management Plan

Two meetings of Advisory Board

Communication with EASME

Open communication

Verbal and e-mail consent on proposed changes

Amendment I submission	September 2019
Amendment II start preparations	October 2019

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