

Results Diagram
(Project planning according to the initial contract and the Addenda 2013 / 2014 / 2015 / 2016)

#	Stage	Period		Results to be obtained			Expectations	Fulfilled	
		Start	End	Identifier	Objective	Activity		Yes	No
1	Stage 1	05.11.2011	15.12.2011	E1	Scientific Report 2011		-	✓	-
				E1	O1	A1-A6	-	✓	-
				E1	O7	A2	0 Plenary lecture	1	-
				E1	O8	-	Creation web	✓	-
2	Stage 2	16.12.2011	15.12.2012	E2	Scientific Report 2012		-	✓	-
				E2	O4	-	-	✓	-
				E2	O7	A1	0 ISI publications	1	-
				E2	O7	A2	1 Plenary lecture	3	-
				E2	O8	-	Upgrading web	✓	-
3	Stage 3	16.12.2012	15.12.2013	E3	Scientific Report 2013		-	✓	-
				E3.1	O1	-	-	✓	-
				E3.1.1	O1	A7	-	✓	-
				E3.1.2	O1	A8	-	✓	-
				E3.2	O2	-	-	✓	-
				E3.2.1	O1	A1	-	✓	-
				E3.3	O7	-	-	✓	-
				E3.3.1	O7	A1	1 ISI publication	6	-
				E3.3.2	O7	A2	1 Plenary lecture	2	-
				E3.4	O8	-	Upgrading web	✓	-
4	Stage 4	16.12.2013	15.12.2014	E4	Scientific Report 2014		-	✓	-
				E4.1	O3	-	-	✓	-
				E4.1.1	O3	A2	-	✓	-
				E4.1.2	O3	A1	-	✓	-
				E4.2	O7	-	-	✓	-
				E.4.2.1	O7	A1	1 ISI publication	2	-
				E.4.2.2	O7	A2	1 Plenary lecture	3	-
				E4.3	O8	-	Upgrading web	✓	-

5	Stage 5	16.12.2014	15.12.2015	E5	Scientific Report 2015		-	✓	-
				E5.1	O3	-	-	✓	-
				E5.1.1	O3	A1	-	✓	-
				E5.2	O5	-	-	✓	-
				E5.2.1	O5	A1/A2	-	✓	-
				E5.3	O6	-	-	✓	-
				E5.3.1	O6	A1	-	✓	-
				E5.3.2	O6	A3	-	✓	-
				E5.4	O1	-	-	✓	-
				E5.4.1	O1	A9	-	✓	-
				E5.4.2	O1	A10	-	✓	-
				E5.5	O6	-	-	✓	-
				E5.5.1	O6	A4	-	✓	-
				E5.6	O7	-	-	✓	-
				E5.6.1	O7	A1	1 ISI publications	2	-
				E5.6.2	O7	A2	1 Plenary lecture	2	-
				E5.7	O8	-	Upgrading web	✓	-
6	Stage 6	16.12.2015	04.11.2016	E6	Scientific Report 2016			✓	-
				E6.1	O3	-		✓	-
				E.6.1.1	O3	A1		✓	-
				E6.2	O5	-		✓	-
				E6.2.1	O5	A2		✓	-
				E6.3.	O7	-		✓	-
				E6.3.1	O7	A1	1 ISI publication	1	-
				E6.3.2	O7	A2	1 Plenary lecture	3	-
				E6.4	O8	-	Upgrading web	✓	-

Objective 1: Phenomenological insights about the LVI of immiscible diluent in LC.

- A1. Checking for diluents;
- A2. Checking for diluent mixtures;
- A3. Checking on influence of temperature;
- A4. Checking on the flow rate influence;
- A5. Checking for different analyte classes;
- A6. Checking for different stationary phases;
- A7. Checking for different stationary phases morphologies;
- A8. Checking for polymeric stationary phases;
- A9. Checking for organic modifiers in mobile phases accommodating LVI of immiscible diluents;
- A10. Checking for different separation mechanisms.

Objective 2: Proposal of an adsorption model of the diluent.

- A1. Study of the elution shape of the diluent front;

Objective 3: Characterization of the hydrophobic character of solutes based on their ability to perform LVI.

- A1. Series of immiscible diluents for progressive log P scales of target analytes;
- A2. Identification of general conditions needed for LVI in immiscible diluents, based on comparison of the hydrophobic character of diluents and analytes;
- A3. Correlation between the hydrophobic characteristics of the analytes and the LVI in immiscible diluents process;

Objective 4: Identification of green solvents to be used for sample preparation further performing a role in the LVI of immiscible diluents in LC.

Objective 5: On-line automation issues in LVI of immiscible diluents for LC

- A1. LLE/LVI/LC issue;
- A2. SPE/LVI/LC issue;

Objective 6: Identification of applications in various fields.

- A1. Bioanalytical applications;
- A2. Quality control in pharmaceuticals;

A3. Environmental applications;

A4. Food chemistry applications;

Objective 7: Dissemination of the results

A1. ISI publications

A2. Participation to conferences and Symposia

Objective 8: Web page of the project: creation and up-grading.

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