

# WT2: List of Deliverables

Project Number <sup>1</sup>	311846	Project Acronym <sup>2</sup>	Aquavalens
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## List of Deliverables - to be submitted for review to EC

Deliverable Number <sup>61</sup>	Deliverable Title	WP number <sup>53</sup>	Lead beneficiary number	Estimated indicative person-months	Nature <sup>62</sup>	Dissemination level <sup>63</sup>	Delivery date <sup>64</sup>
D1.1	Internal website	1	1	18.00	O	RE	3
D1.2	Minutes of external advisory board	1	1	2.00	O	RE	4
D1.3	Minutes of Steering Committee	1	1	1.00	O	RE	4
D1.4	Quality policy and risk register	1	1	12.00	O	RE	6
D1.5	Minutes of Steering Committee	1	1	1.00	O	RE	10
D1.6	Minutes of Steering Committee	1	1	1.00	O	RE	16
D1.7	Minutes of external advisory board	1	1	1.50	O	RE	16
D1.8	Minutes of Steering Committee	1	1	1.00	O	RE	22
D1.9	Minutes of Steering Committee	1	1	1.00	O	PP	28
D1.10	Minutes of external advisory board	1	1	1.50	O	RE	28
D1.11	Minutes of Steering Committee	1	1	1.00	O	PP	34
D1.12	Minutes of external advisory board	1	1	1.50	O	RE	40
D1.13	Minutes of Steering Committee	1	1	1.00	O	RE	40
D1.14	Minutes of Steering Committee	1	1	1.00	O	RE	46

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D1.15	Minutes of Steering Committee	1	1	1.00	O	RE	52
D1.16	Minutes of external advisory board	1	1	1.50	O	RE	52
D1.17	Minutes of Steering Committee	1	1	1.00	O	RE	58
D2.1	Determine maximum acceptance levels for genome copy numbers of viruses in water	2	2	8.00	R	PU	6
D2.2	Design of variation tolerant primers and probes based on the genomic variation of viruses	2	6	22.00	R	PU	24
D2.3	Provide a correct estimation of infectious viruses through determination of genome copy numbers	2	2	20.00	R	PU	30
D2.4	Establish molecular methods to evaluate the efficacy of virucidal treatments on viruses	2	2	19.00	R	PU	30
D2.5	Elucidate the epidemiology and transmission of enteric viruses through genotype determination	2	23	30.00	R	PU	30
D3.1	Standard monitoring methods for	3	3	7.00	R	PU	6

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	identification of the targeted bacteria harmonized & SOPs developed						
D3.2	Genus-specific pyroprinting developed and validated	3	3	40.00	R	PU	18
D3.3	Advanced molecular tools for high resolution identification and in-situ application developed	3	3	48.00	R	PU	24
D3.4	Virulence maker expression and infectivity assessed for the targeted bacterial species	3	21	48.00	R	PU	30
D3.5	Analytical modules for targeted pathogens ready for integration into platforms	3	20	12.00	R	PU	36
D4.1	New genome sequences for Cryptosporidium	4	4	8.00	R	PU	11
D4.2	Genetic definition of experimentally validated giardia secretome	4	1	18.00	R	PU	12
D4.3	Molecular tools for parasite quantity and species, Giardia virulence and T. gondii infectivity	4	15	29.00	R	PU	21
D4.4	Molecular tools for parasite lineage to support source tracking in	4	4	25.00	R	PU	34

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	outbreak investigations						
D5.1	Booklet of methodologies and protocols for internal use of participants	5	11	3.50	R	PU	12
D5.2	Data set on the distribution of different chemical and microbial parameters in surface waters	5	9	5.50	R	PU	24
D5.3	List of the best subsets of indicators	5	2	24.50	R	PU	26
D5.4	MST predictive models validated at European level	5	23	7.50	R	PU	34
D5.5	List of selected MST indicators or markers to include in the technological platforms	5	17	5.00	R	PU	36
D6.1	Review: Filtering, separation and purification techniques for molecular pathogen detection	6	5	10.00	R	PU	24
D6.2	High-yield on-site pathogen concentration of 20-100L of different types of water	6	2	48.00	R	PU	36
D6.3	Procedure to extract high quality nucleic acids from water concentrates for pathogen detection	6	22	19.00	R	PU	42

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D6.4	An evaluation of microfluidic systems to perform sample separation	6	7	13.00	R	PU	42
D7.1	Optimized analytical method for ATP including opportunities for immune capture measurements	7	5	8.00	R	PU	30
D7.2	Report on the microLAN system performance	7	9	19.00	R	PU	42
D7.3	Protocol report for the FISH-based detection of Campylobacter spp.	7	9	15.00	R	PU	42
D7.4	Report on AquaTAS performance to detect DNA and RNA viruses	7	5	7.00	R	PU	42
D7.5	Method for multiplex detection of targets identified in cluster 1 on Luminex®2000	7	6	23.00	R	PU	42
D7.6	Method for on-site detection of DNA targets available	7	6	21.00	R	PU	42
D8.1	Report validating the integration of the optimised system	8	30	15.00	R	PU	20
D8.2	Report describing the performance of the automated elution techniques	8	7	5.00	R	PU	24

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D8.3	Presentation of performance of the ATP system	8	5	18.00	R	PU	24
D8.4	Performance of the on-line automated sampling module	8	7	3.00	R	PU	28
D8.5	Recommendation report to WP9	8	7	10.00	R	PU	34
D8.6	Report describing the prototype for multiplex detection of pathogens	8	7	26.00	R	PU	42
D9.1	Report of the workshop and selection of target organisms	9	9	17.00	R	PU	20
D9.2	Standard operation protocols	9	8	30.00	R	PU	28
D9.3	Report of validation with nucleic acids	9	9	23.00	R	PU	30
D9.4	Report of validation with micro-organisms in different matrices	9	9	32.00	R	PU	36
D9.5	Final report for the validation and recommendations for testbed operation	9	9	28.00	R	PU	46
D10.1	Report on the selected DWTPs and distribution networks and control points for instrument installation	10	10	3.00	R	CO	38
D10.2	Report on the selection of the newly developed tools and	10	9	27.00	R	CO	41

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	experimental plan						
D10.3	Report on the results of the analysis in the DWTP	10	35	59.00	O	PU	56
D10.4	Report on the results of the analysis in the distribution network	10	10	47.00	R	PU	56
D10.5	Report on the evaluation of data in comparison to "classical" data	10	32	12.00	R	PU	58
D10.6	Report and recommendations on the applicability of different tools in large systems	10	10	8.00	R	PU	60
D11.1	Implementation and training of partners in the use of the new technologies developed in previous WP	11	27	10.00	R	PU	42
D11.2	Determination of risk factors and problems associated with the small systems studied	11	29	10.00	R	PU	48
D11.3	Implementation of Pilot treatment stations in selected locations	11	29	15.00	R	PU	48
D11.4	Dissemination of the technology to routine water laboratories controlling small water systems	11	12	8.00	R	PU	48
D11.5	Report of the experience of users of the	11	16	4.00	R	PU	48

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	technology and their recommendations for implementation						
D11.6	Database on microbiological results, sanitary survey, health and environmental data for analysis	11	16	4.00	R	PU	50
D11.7	Report of user perceptions and expectations of technologies for rapid microbial analysis	11	16	4.00	R	PU	55
D11.8	Comparison of results obtained with technologies developed to those with standard methods	11	11	8.00	R	PU	56
D12.1	List of risk factors associated with each of the industries examined	12	12	10.00	R	PU	38
D12.2	Sampling plan for each site, based on risk factors identified	12	27	14.00	R	PU	40
D12.3	Suitability of novel technologies for determining irrigation, processing and bottled water quality	12	11	56.00	R	PU	58
D12.4	Dissemination event on application of technology to the wider food industry	12	12	9.00	R	PU	59



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D13.1	WSP indicators on improved water safety with Aquavalens	13	13	9.00	R	PU	38
D13.2	Performance of Aquavalens in improving WSP and water safety	13	13	16.00	R	PU	48
D13.3	Improved WSP and wider impact with Aquavalens	13	13	2.00	O	PU	56
D13.4	Water Safety Plan and Aquavalens	13	13	12.00	R	PU	60
D14.1	Report on modelling of the impact of climate change on risk to European drinking water	14	1	10.00	R	PU	60
D14.2	Report on health risks and contaminated drinking water in Europe	14	1	10.00	R	PU	60
D14.3	Report on the role of molecular methods in the control of emergent waterborne disease	14	1	4.00	R	PU	60
D15.1	Report on the environmental impact and the carbon footprint of the different developed platforms	15	14	10.00	R	PU	56
D15.2	Report on derived cost from food and water borne infections (European scenarios) and public health	15	14	10.00	R	PU	60

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D15.3	Report on the feasibility of the application of the platforms in developing countries	15	1	10.00	R	PU	60
D15.4	Report on the specific leadership role that Europe can take on the health water related risk	15	1	10.00	R	PU	60
D16.1	Production of an AQUAVALENS project flyer	16	1	1.00	O	PU	3
D16.2	Public Web site goes live	16	1	3.00	O	PU	4
D16.3	Technology transfer and end-user workshops organized by SME pool	16	1	2.00	O	CO	24
D16.4	Technology transfer and end-user workshops organized by SME pool	16	1	2.00	O	CO	36
D16.5	Marketing Plan	16	1	2.00	R	CO	48
D16.6	Final year workshops	16	1	8.00	R	PU	60
<b>Total</b>				<b>1,247.00</b>			