

#	NAME	DESCRIPTION	RISK IDENTITY				RISK ANALYSIS				RISK RESPONSE							UPDATED ON	CLOSED ON	ADDITIONAL INFORMATION	
			WP	TYPE	OWNER	OPENED ON	PROBABILIT	IMPACT	RISK	PRIORITY	RESPONSE STRATEGY	STRATEGY DESCRIPTION	RESPONSE TIME	RESIDUAL PROBABILITY	RESIDUAL IMPACT	RESIDUAL RISK					
1	H&S during marine operations	Risk to harm to personnel working at sea	WP3	Operational & H&S	EKE, PLY, EMEC	22/11/2018	2	4	8	High	Actively manage	All marine operations at EMEC sites are controlled within an approved safety system and the partners will work from EMEC's international guidelines for health and safety in the marine energy sector.	Duration of marine operations	1	4	4			18/03/19 EMEC: All vessels used during operations at EMEC sites must be listed on EMEC's vessel register with associated insurances and registrations.		
2	Lack of consensus on key impact parameters to measure	Disparate environmental monitoring campaign that doesn't deliver a robust evidence base	WP2	Quality & Performance	AQT	22/11/2018	2	3	6	Medium	Mitigate	The key impact parameters established through ORJIP Ocean Energy and IEA OES will be used as a starting point. The projects steering group will also be used to approve the monitoring programme before its initiated.	Review by Steering Group completed by Summer 19	1	3	3			18/03/19 EMEC: Call for Evidence issued to ORJIP Network to ensure a clear consensus is reached.		
3	Measurement instrumentation failure	Gaps in data collection which limits modelling outputs	WP6	Operational & H&S	EKE, PLY, Developers	22/11/2018	3	2	6	Medium	Actively manage	Lessons learnt from CEFOW and previous environmental modelling campaigns will feed into the instrumentation selection process. The DoE MHK instrumentation database will also be utilised.	Allow additional time for instrumentation selection.	2	2	4					
4	Device availability / not install at EMEC	Lack of WEC devices to conduct an adequate data collection campaign.	WP3	Strategic	CPO, WEL, LAM, OE, EMEC	22/11/2018	4	3	12	High	Actively manage	This project brings together four wave energy developers. EMEC will also contribute data from previous environmental monitoring campaigns for Aquamarine and Pelamis. Investigate monitoring at other locations.	EMEC to support developers in readying devices for installation. Update project consortium regularly.	3	3	9			18/03/19: Hold bi-monthly meetings with partners to receive developer updates.		
5	Weather delays to data collection	Limits quality and quantity of environmental data collected	WP3	Operational & H&S	EKE, PLY	22/11/2018	3	2	6	Medium	Actively manage	EMEC has an established O&M model which it uses to plan marine operations on its sites. There is also a mature local supply chain used to deploying measurement equipment in these challenging environments.	Build contingency into marine operation plans	2	2	4					
6	Models fail to provide robust results that can be applied outside the reasonable bounds of the project	Project findings are limited beyond expectations	WP4	Strategic	EKE	22/11/2018	3	4	12	Medium	Avoid	Ensure all are aware of the reasonable limitations of ecological modelling; all results must be interpreted with relevant caveats.	Ensure stakeholders and steering group alerted early.	3	2	6					
7	Data collected during project is not compatible with existing EU data platforms	Hampered data dissemination	WP6	Strategic	HID	22/11/2018	3	3	9	Medium	Avoid	Format data, reduce data size or alter data parameters to fit data to constraints imposed by EU Data Platforms. Alternatively, use the server implemented during the project to disseminate data.	As soon as possible.	1	3	3					
8	Lack of endorsement from regulators and stakeholders for guidance produced by the Project	Limited uptake and use of project outputs	WP5	Quality & Performance	EMEC, AQT	22/11/2018	2	4	8	Low	Mitigate	The steering group will consist of key members of the regulatory community involved in ocean energy management, ensuring that they are involved in the development of project outputs. The existing ORJIP Ocean Energy Network will be utilised to maximise awareness of project outputs and to secure endorsement from key players across the EU. Utilise user-friendly/interactive software for disseminating outputs rather than face-to-face.	Update Steering Group regularly	1	4	4	18/01/2019				
9	Lack of project coordination across the partnership	Leads to delays in project delivery	WP1	Schedule	EMEC	22/11/2018	2	3	6	Low	Mitigate	EMEC operates a Project Management Process to control its projects, this is a structure that provides a disciplined approach to the execution of complex projects. This approach utilises a methodology for controlling and documenting project progress and follows recognised methods of managing technical projects such as this.	Hold regular project partner meetings to ensure schedule is met	1	3	3					
10	UK partners will not participate post Brexit	Requires alteration to the project partnership	WP1	External	ALL	22/11/2018	3	5	15	Low	Avoid	All the UK partners have developed their own Brexit policies including EU funded activity. UK Chancellor of Exchequer has confirmed funding will be available for UK companies post Brexit in H2020 projects that are approved pre Brexit.	Ensure Brexit policies are implemented when necessary	2	4	8					
11	Not sufficient funds to meet project scope	Not able to fully deliver project outputs	WP1	Financial	ALL	22/11/2018	2	3	6	Low	Mitigate	Work with WESE project to join up deliverables and provide efficiencies. Alert other project partners when budgets appear to be insufficient.	Respond as required	1	3	3					
12	Voluntary participation of steering group members	Steering group are not engaged or not all preferred participants join steering group.	WP2	Quality & Performance	AQT, EMEC	06/12/2018	3	3	9	Medium	Actively manage	AQT careful planning so that we can get maximum input from minimum effort. Workshops could be held to tie in with key conferences etc	As soon as possible.	2	3	6					
13	Stakeholder fatigue	Stakeholders are not engaged as they consulted by many different groups/projects	WP2	Quality & Performance	AQT, EMEC	06/12/2018	2	2	4	Low	Actively manage	Only approach stakeholders when necessary. Keep messages / consultations concise and easy to interpret.	During meetings with Steering Group	2	2	4					
14	GDPR	Not able to use contacts on ORJIP database and others due to new GDPR rules	WP2	Quality & Performance	AQT, EMEC	06/12/2018	4	1	4	Low	Accept	Conform to GDPR regs.	As required.	4	1	4					
15	Change to device location within site.	Data already collected no longer usable.	WP3	Strategic	Developers, EKE, PLY	06/12/2018	3	2	6	Medium	Actively manage	Conduct partner meetings every two months inc. developers to gain updates on plans	Project partner meetings	2	2	4					
16	CPO WEC deployed at other site and not EMEC	Change of deployment site due to funding	WP3	Strategic	CPO	11/12/2018	4	3	12	Medium	Actively manage	Work with WP3 owners to ensure they can collect data in new location	During WP3 owners planning phase	4	1	4					
17	Wello WEC 1 has become inactive	The status of the Wello WEC 1 may limit access to the site which has been monitored for two years through H2020 CEFOW project.	WP3	Operational & H&S	WEL, EMEC, EKE, PLY	15/04/2019	3	4	12	High	Avoid	Ensure appropriate H&S measures are implemented by EKE and PLY when onsite to avoid contact with WEC 1 and mooring system.	During WP3.	3	4	12					
18	Wello WEC 2 possible delay due to status of WEC 1	Require agreement of removal mechanism and schedule for WEC 1 prior to WEC 2 tow.	WP3	Schedule	WEL	16/04/2019	4	4	16	Medium	Actively manage	Request regular updates from Wello regarding the status of WEC 1 and the WEC 2 tow schedule. Note, monitoring equipment removed from WEC 1 prior to incident.	During initial months of WP3	4	3	12					