

Question	Response																																				
Are there any restrictions on future use of the data you have released as part of this challenge?	The dataset is licensed under CC BY [https://creativecommons.org/licenses/by/4.0/], an open data licence, to make it freely available to other potential customers, stakeholders or interested organisations.																																				
Would it be possible to review any published Terms and Conditions for the project prior to submitting our proposal?	We haven't yet produced the terms and conditions specific to this project, but our standard conditions of contract for supply of goods and services are available on our website: Conditions of contract documents Wessex Water [https://corporate.wessexwater.co.uk/document-library/conditions-of-contract-documents]																																				
Is there any additional data around the wet well levels? Do you have HiHi level indication on the wet well and is that a point of alert for your teams? Is the HiHi level deemed to be the spill levels for the pump station wet well? Can you provide those points of data?	<p>When a wet well level exceeds a certain threshold, the pump begins to run. It continues until the level falls back below the threshold.</p> <p>SPSs generate alarms at a specific high level above the pump start threshold and below the spill level for the wet well. These specific levels are configured on site and the information is not readily available.</p> <p>SPSs can also be configured to generate alarms when the wet well level exceeds a specific, very high level called a HiHi level. This is higher than the level at which the pump starts to run and usually lower than the spill level for the wet well. HiHi levels are not configured for all sites. Where they do exist, they are configured on site and the information is not readily available. Exceeding the HiHi level would trigger an alarm to be sent to our control room. However the HiHi level does not necessarily indicate the spill level.</p>																																				
We're finding it difficult to validate the correctness of these models due to the lack of labelled anomaly data. Please can you provide the expected frequency of errors per site over a particular timeframe or the two year period, possibly as an order of magnitude if preferred. Is it possible to get any form of validation of a model before the official submission? For example could we send through a collection of errors for a particular site to determine the False Positive and False Negative rate? If not, how can we know with certainty that an anomalous data region is a burst / issue, and how we can clarify whether or not it is urgent?	<p>We have a list of known bursts but this won't be made available – we would like suppliers to identify them and what the cause might be. We believe the bursts are easy to spot within the data as they have subsequently been repaired. To repair a burst, we switch off the pump. These instances should be clearer when considering the telemetry data as a whole for the site.</p> <p>Participants may find it helpful to know the approximate number of known bursts there are in the two years of published data – there are fewer than thirty.</p> <p>While we are not providing a list of these bursts, in recognition of the recent request we have received, we are instead providing some examples of periods of normal behaviour. See below.</p> <table><tr><th>Marketplace Site ID</th><th>Start date</th><th>End date</th></tr><tr><td>45081</td><td>20/01/2022</td><td>08/02/2022</td></tr><tr><td>45081</td><td>25/06/2022</td><td>17/07/2022</td></tr><tr><td>44090</td><td>01/01/2022</td><td>01/02/2022</td></tr><tr><td>44090</td><td>23/11/2023</td><td>14/12/2023</td></tr><tr><td>44113</td><td>01/05/2022</td><td>01/06/2022</td></tr><tr><td>44113</td><td>01/05/2023</td><td>01/06/2023</td></tr><tr><td>45311</td><td>11/03/2022</td><td>24/03/2022</td></tr><tr><td>45311</td><td>30/05/2023</td><td>17/06/2023</td></tr><tr><td>45497</td><td>21/03/2022</td><td>21/04/2022</td></tr><tr><td>45497</td><td>16/06/2023</td><td>03/08/2023</td></tr><tr><td>45645</td><td>23/01/2023</td><td>14/03/2023</td></tr></table> <p>We are not offering participants the opportunity to validate their model with us prior to official submission.</p>	Marketplace Site ID	Start date	End date	45081	20/01/2022	08/02/2022	45081	25/06/2022	17/07/2022	44090	01/01/2022	01/02/2022	44090	23/11/2023	14/12/2023	44113	01/05/2022	01/06/2022	44113	01/05/2023	01/06/2023	45311	11/03/2022	24/03/2022	45311	30/05/2023	17/06/2023	45497	21/03/2022	21/04/2022	45497	16/06/2023	03/08/2023	45645	23/01/2023	14/03/2023
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