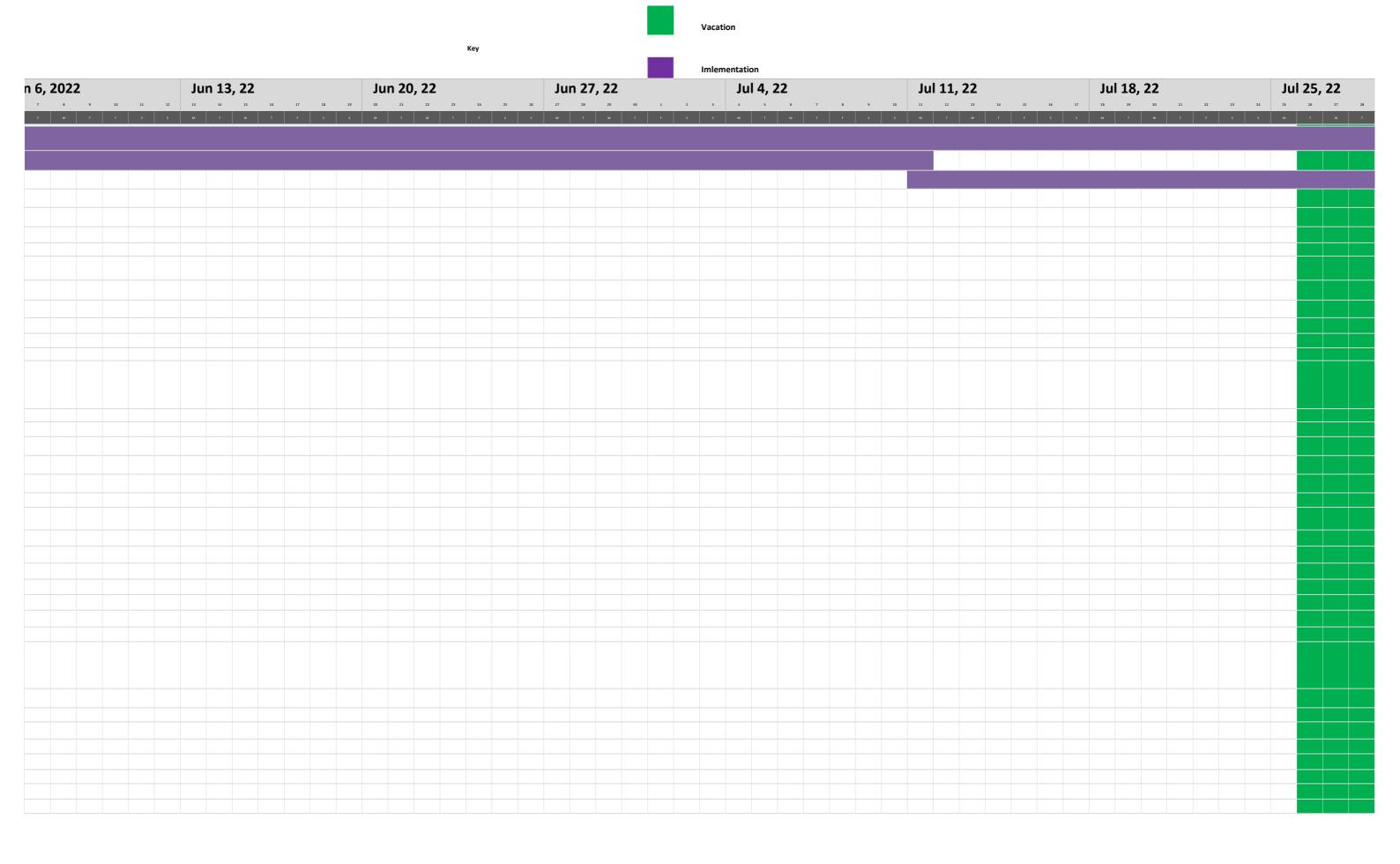
AIR POLLUTION AWARENESS FOR EQUALITY DIVERSITY AND INCLUSIVE (EDI):

MAKE SENSE OF SENSOR THROUGH CITIZEN SCIENCE

Project End Managing/Participant: Hua Zhong Senior Lecturer Nottingham Trent Un Project Start: 29-Jun-2023

Wed, 6/1/2022

May 23, 2022 Stakeholders: Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate Forum Display Week: 0 May 30, 2022 Jui Milestones **PROGRESS** START 6/1/22 8/30/22 WP1 Preliminary research and Extend existing Literature Review **Understanding optimisation of AQ Sensor network accuracies** 0% 6/1/22 7/11/22 Understanding outdoor AQ impact on urban ventilation systems 0% 7/11/22 8/20/22 8/20/22 8/30/22 Preparing the Likert pre-participants survey based on the citizen science approach 0% Success Criteria: Literature review extension and surveys completed **Deliverable:** Literature Review extended from Existing Literature review desiminated to project team and used to design next steps **WP2 Software validation with existing datasets** 9/1/22 12/30/22 9/1/22 10/11/22 AirNode's AQ validation software to existing AQ datasets breathe London, openAQ 0% 10/11/22 11/20/22 Applying WP1 findings to AQ dataset analysis 11/20/22 12/30/22 0% Analysis of the output of AQ networks to link with the citizen science dashboard Success Criteria: Analysis done on all AQ datasets Deliverable: Reports visualisable on Dashboard of all analysis ready for AQ network and citizen science WP3 Implementing the findings from WP1 and WP2 to the new AQ network for the pilot school 12/3/22 4/2/23 tasks 12/3/22 1/7/23 Set up new pilot AQ network and data collection 0% 2/11/23 Analyse and optimise the pilot network 0% 1/7/23 Analyse irregular patterns in the network and impact the indoor ventilation system. 0% 2/11/23 4/2/23 Success Criteria: AQ network tested and implemented, AirNode software identifying irregular Patterns Deliverable: AQ network displaying AQ measurements near schools and report of irregular patterns visualised on the dashboard and impact on ventilation systems WP4 Citizen Science activities and dashboard development for Schools tasks 1/3/23 5/28/23 1/3/23 2/12/23 Dashboard development based on the WP2-3 0% 0% 2/12/23 2/22/23 The Pre participants evaluation survey designed by EDI group/citizen science experts Lessons and Tests for measuring and analysis with school 0% 2/22/23 4/23/23 0% **Student Presentations and school dissemination** 4/23/23 5/28/23 Success Criteria: School Programme is completed Deliverable: Presentations, Analysis and AQ measurements completed School choosen further processes with presentations i.e. parents evening or contacting experts WP5 Integrating the software and datasets on the DAFNI platform for scale-up and 3/1/23 6/29/23 dissemination for all stakeholders' tasks Apply AirNode validation on DAFNI platform to real-time AQ network 3/1/23 4/5/23 0% Report insights from optimising Low-cost AQ networks 4/5/23 5/5/23 0% The post-evaluation survey with all stakeholders 0% 5/5/23 5/15/23 Dissemination with all stakeholders 0% 5/15/23 5/25/23 0% Report and publication writing 5/25/23 6/29/23 Success Criteria: Pupil's science capital increase evident from presentations Deliverable: Evaluations of where science capitol increased program of continued processes and results upload to DAFNI



Aug 1, 22	Aug 8, 22	Aug 15, 22	Aug 22, 22	Aug 29, 22	Sep 5, 22	Sep 12, 22
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Sep 19, 22	Sep 26, 22	Oct 3, 22	Oct 10, 22	Oct 17, 22	Oct 24, 22	Oct 31, 22 Nov 7, 22
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Nov 14, 22	Nov 21, 22	Nov 28, 22	Dec 5, 22	Dec 12, 22	Dec 19, 22	Dec 26, 22
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