

**AIR POLLUTION AWARENESS FOR EQUALITY DIVERSITY AND INCLUSIVE (E
MAKE SENSE OF SENSOR THROUGH CITIZEN SCI**

Project End 29-Jun-2023

Project Start

Managing/Participant: Hua Zhong Senior Lecturer Nottingham Tri

Wed, 6/1/2022

Stakeholders : Gordon Rates AirNode, DAFNI, Northampton Town C

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Display Week

8, 23

22

Jun 5, 23

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Milestones	START	END
WP1 Preliminary research Extends Lit Review	6/1/22	8/30/22
Understanding optimisation of AQ Sensor network accurac	6/1/22	7/11/22
Understanding outdoor AQ impact on urban ventilation sy	7/11/22	8/20/22
Preparing the Likert pre-participants survey based on the citizen science approach	8/20/22	8/30/22
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 on existing datasets	9/1/22	12/30/22
AirNode's AQ validation software to existing AQ datasets	9/1/22	10/11/22
Applying WP1 findings to AQ dataset analysis	10/11/22	11/20/22
Analysis of output of AQ networks on citizen science dashboard	11/5/22	12/30/22
Success Criteria: Analysis done on all AQ datasets		
Deliverable: Reports visualisable on Dashboard of all analysis ready for AQ network and		
WP3 Implementing the findings from WP1 and WP2 to the new AQ network for the pilot school tasks	12/3/22	4/2/23
Set up new pilot AQ network and data collection	12/3/22	1/7/23
Analyse and optimise the pilot network	1/7/23	2/11/23
Analyse irregular patterns in the network and impact the indoor ventilation system.	2/11/23	4/2/23
Success Criteria: AQ network tested and implemented, AirNode software identifying in		
Deliverable: AQ network displaying AQ measurements near schools and report of irreg visualised on the dashboard and impact on ventilation systems		
WP4 Citizen Science activities / Schools tasks	1/3/23	5/28/23
Dashboard development based on the WP2-3	1/3/23	2/12/23
The Pre participants evaluation survey designed by EDI group/citizen science experts	2/12/23	2/22/23
Lessons and Tests for measuring and analysis with school	2/22/23	4/23/23
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 chosen further processes with presentations i.e. parents evening or contacting		
WP5 Integrating the software and datasets on the DAFNI platform for scale-up and dissemination for all stakeholders' tasks	3/1/23	6/29/23
Apply AirNode validation on DAFNI with real-time AQ netw	3/1/23	4/5/23
Report insights from optimising Low-cost AQ networks	4/5/23	5/5/23
The post-evaluation survey with all stakeholders	5/5/23	5/15/23
Dissemination with all stakeholders	5/15/23	5/25/23
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 proc and results upload to DAFNI		