

AIR POLLUTION AWARENESS FOR EQUALITY DIVERSITY AND INCLUSIVE (EDI): MAKE SENSE OF SENSOR THROUGH CITIZEN SCIENCE

Project End 29-Jun-2023

Managing/Participant: Hua Zhong Senior Lecturer Nottingham

Project Start: Wed, 6/1/2022

Stakeholders : Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate Fo Display Week:

0

Milestones	PROGRESS	START	END
WP1 Preliminary research and Extend existing Literature Review		6/1/22	8/30/22
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
Preparing the Likert pre-participants survey based on the citizen science approach	0%	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 with existing datasets		9/1/22	12/30/22
AirNode's AQ validation software to existing AQ datasets breathe London, openAQ	0%	9/1/22	10/11/22
Applying WP1 findings to AQ dataset analysis	0%	10/11/22	11/20/22
Analysis of the output of AQ networks to link with the citizen science dashboard	0%	11/20/22	12/30/22
Success Criteria: Analysis done on all AQ datasets			
Deliverable: Reports visualisable on Dashboard of all analysis ready for AQ network and citizen science			
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	0%	12/3/22	1/7/23
Analyse and optimise the pilot network	0%	1/7/23	2/11/23
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
Dashboard development based on the WP2-3	0%	1/3/23	2/12/23
The Pre participants evaluation survey designed by EDI group/citizen science experts	0%	2/12/23	2/22/23
Lessons and Tests for measuring and analysis with school	0%	2/22/23	4/23/23
Student Presentations and school dissemination	0%	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 dissemination for all stakeholders' tasks		3/1/23	6/29/23
Apply AirNode validation on DAFNI platform to real-time AQ network	0%	3/1/23	4/5/23
Report insights from optimising Low-cost AQ networks	0%	4/5/23	5/5/23
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
Report and publication writing	0%	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			

SIMPLE GANTT CHART by Vertex42.com

<https://www.vertex42.com/ExcelTemplates/simple-gantt-chart.htm>

Managing/Participant: Hua Zhong Senior Lecturer Nottingham

Project End 29-Jun-2023

Project Start:	Wed, 6/1/2022
-----------------------	---------------

Display Week: 0

Vacation

Implementation

[illegible]

AIR POLLUTION AWARENESS FOR EQUALITY DIVERSITY AND INCLUSIVE (EDI):
MAKE SENSE OF SENSOR THROUGH CITIZEN SCIENCE

Managing/Participant: Hua Zhong Senior Lecturer Nottingham

Stakeholders : Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate Fc Display Week:

Project End 29-Jun-2023

Project Start: Wed, 6/1/2022

0

Milestones				PROGRESS				START				END				Jul 11, 22				Jul 18, 22				Jul 25,			
WP1 Preliminary research and Extend existing Literature Review								6/1/22				8/30/22															
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															
Preparing the Likert pre-participants survey based on the citizen science approach				0%				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 with existing datasets								9/1/22				12/30/22															
AirNode’s AQ validation software to existing AQ datasets breathe London, openAQ				0%				9/1/22				10/11/22															
Applying WP1 findings to AQ dataset analysis				0%				10/11/22				11/20/22															
Analysis of the output of AQ networks to link with the citizen science dashboard				0%				11/20/22				12/30/22															
Success Criteria: Analysis done on all AQ datasets																											
Deliverable: Reports visualisable on Dashboard of all analysis ready for AQ network and citizen science																											
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				0%				12/3/22				1/7/23															
Analyse and optimise the pilot network				0%				1/7/23				2/11/23															
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															
Dashboard development based on the WP2-3				0%				1/3/23				2/12/23															
The Pre participants evaluation survey designed by EDI group/citizen science experts				0%				2/12/23				2/22/23															
Lessons and Tests for measuring and analysis with school				0%				2/22/23				4/23/23															
Student Presentations and school dissemination				0%				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 dissemination for all stakeholders' tasks								3/1/23				6/29/23															
Apply AirNode validation on DAFNI platform to real-time AQ network				0%				3/1/23				4/5/23															
Report insights from optimising Low-cost AQ networks				0%				4/5/23				5/5/23															
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															
Report and publication writing				0%				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																											

AIR POLLUTION AWARENESS FOR EQUALITY DIVERSITY AND INCLUSIVE (EDI):
MAKE SENSE OF SENSOR THROUGH CITIZEN SCIENCE

Managing/Participant: Hua Zhong Senior Lecturer Nottingham

Stakeholders : Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate Fc Display Week:

Project End 29-Jun-2023

Project Start: Wed, 6/1/2022

0

Stakeholders : Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate Fc Display Week:					0		22					Aug 1, 22					Aug 8, 22					A														
Milestones					PROGRESS		START		END		w		t		f		s		s		m		t		w		t		f		s		s		m	
WP1 Preliminary research and Extend existing Literature Review							6/1/22		8/30/22																											
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																											
Preparing the Likert pre-participants survey based on the citizen science approach					0%		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 with existing datasets							9/1/22		12/30/22																											
AirNode’s AQ validation software to existing AQ datasets breathe London, openAQ					0%		9/1/22		10/11/22																											
Applying WP1 findings to AQ dataset analysis					0%		10/11/22		11/20/22																											
Analysis of the output of AQ networks to link with the citizen science dashboard					0%		11/20/22		12/30/22																											
Success Criteria: Analysis done on all AQ datasets																																				
Deliverable: Reports visualisable on Dashboard of all analysis ready for AQ network and citizen science																																				
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					0%		12/3/22		1/7/23																											
Analyse and optimise the pilot network					0%		1/7/23		2/11/23																											
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																											
Dashboard development based on the WP2-3					0%		1/3/23		2/12/23																											
The Pre participants evaluation survey designed by EDI group/citizen science experts					0%		2/12/23		2/22/23																											
Lessons and Tests for measuring and analysis with school					0%		2/22/23		4/23/23																											
Student Presentations and school dissemination					0%		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 dissemination for all stakeholders' tasks							3/1/23		6/29/23																											
Apply AirNode validation on DAFNI platform to real-time AQ network					0%		3/1/23		4/5/23																											
Report insights from optimising Low-cost AQ networks					0%		4/5/23		5/5/23																											
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																											
Report and publication writing					0%		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																																				

AIR POLLUTION AWARENESS FOR EQUALITY DIVERSITY AND INCLUSIVE (EDI):
MAKE SENSE OF SENSOR THROUGH CITIZEN SCIENCE

Managing/Participant: Hua Zhong Senior Lecturer Nottingham

Stakeholders : Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate Fc Display Week:

Project End 29-Jun-2023

Project Start: Wed, 6/1/2022

0

Stakeholders : Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate Fo Display Week:				0				Aug 15, 22				Aug 22, 22				Aug 29, 22							
Milestones				PROGRESS				START				END											
WP1 Preliminary research and Extend existing Literature Review								6/1/22				8/30/22											
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											
Preparing the Likert pre-participants survey based on the citizen science approach				0%				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 with existing datasets								9/1/22				12/30/22											
AirNode’s AQ validation software to existing AQ datasets breathe London, openAQ				0%				9/1/22				10/11/22											
Applying WP1 findings to AQ dataset analysis				0%				10/11/22				11/20/22											
Analysis of the output of AQ networks to link with the citizen science dashboard				0%				11/20/22				12/30/22											
Success Criteria: Analysis done on all AQ datasets																							
Deliverable: Reports visualisable on Dashboard of all analysis ready for AQ network and citizen science																							
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				0%				12/3/22				1/7/23											
Analyse and optimise the pilot network				0%				1/7/23				2/11/23											
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											
Dashboard development based on the WP2-3				0%				1/3/23				2/12/23											
The Pre participants evaluation survey designed by EDI group/citizen science experts				0%				2/12/23				2/22/23											
Lessons and Tests for measuring and analysis with school				0%				2/22/23				4/23/23											
Student Presentations and school dissemination				0%				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 dissemination for all stakeholders' tasks								3/1/23				6/29/23											
Apply AirNode validation on DAFNI platform to real-time AQ network				0%				3/1/23				4/5/23											
Report insights from optimising Low-cost AQ networks				0%				4/5/23				5/5/23											
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											
Report and publication writing				0%				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																							

AIR POLLUTION AWARENESS FOR EQUALITY DIVERSITY AND INCLUSIVE (EDI):
MAKE SENSE OF SENSOR THROUGH CITIZEN SCIENCE

Project End

29-Jun-2023

Project Start:

Wed, 6/1/2022

Stakeholders : Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate Fc Display Week:

0

Stakeholders : Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate Fo Display Week:				0		Sep 5, 22					Sep 12, 22					Sep 19, 22													
Milestones				PROGRESS		START		END		5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
				M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S					
WP1 Preliminary research and Extend existing Literature Review						6/1/22		8/30/22																					
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																					
Preparing the Likert pre-participants survey based on the citizen science approach				0%		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 with existing datasets						9/1/22		12/30/22																					
AirNode’s AQ validation software to existing AQ datasets breathe London, openAQ				0%		9/1/22		10/11/22																					
Applying WP1 findings to AQ dataset analysis				0%		10/11/22		11/20/22																					
Analysis of the output of AQ networks to link with the citizen science dashboard				0%		11/20/22		12/30/22																					
Success Criteria: Analysis done on all AQ datasets																													
Deliverable: Reports visualisable on Dashboard of all analysis ready for AQ network and citizen science																													
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				0%		12/3/22		1/7/23																					
Analyse and optimise the pilot network				0%		1/7/23		2/11/23																					
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																					
Dashboard development based on the WP2-3				0%		1/3/23		2/12/23																					
The Pre participants evaluation survey designed by EDI group/citizen science experts				0%		2/12/23		2/22/23																					
Lessons and Tests for measuring and analysis with school				0%		2/22/23		4/23/23																					
Student Presentations and school dissemination				0%		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 dissemination for all stakeholders' tasks						3/1/23		6/29/23																					
Apply AirNode validation on DAFNI platform to real-time AQ network				0%		3/1/23		4/5/23																					
Report insights from optimising Low-cost AQ networks				0%		4/5/23		5/5/23																					
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																					
Report and publication writing				0%		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																													

AIR POLLUTION AWARENESS FOR EQUALITY DIVERSITY AND INCLUSIVE (EDI):
MAKE SENSE OF SENSOR THROUGH CITIZEN SCIENCE

Managing/Participant: Hua Zhong Senior Lecturer Nottingham

Stakeholders : Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate Fc Display Week:

Project End 29-Jun-2023

Project Start: Wed, 6/1/2022

0

Stakeholders : Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate Fo Display Week:				0				Sep 26, 22							Oct 3, 22							Oct 10, 22							
Milestones				PROGRESS		START		END		25	26	27	28	29	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14
										S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F
WP1 Preliminary research and Extend existing Literature Review						6/1/22		8/30/22																					
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																					
Preparing the Likert pre-participants survey based on the citizen science approach				0%		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 with existing datasets						9/1/22		12/30/22																					
AirNode’s AQ validation software to existing AQ datasets breathe London, openAQ				0%		9/1/22		10/11/22																					
Applying WP1 findings to AQ dataset analysis				0%		10/11/22		11/20/22																					
Analysis of the output of AQ networks to link with the citizen science dashboard				0%		11/20/22		12/30/22																					
Success Criteria: Analysis done on all AQ datasets																													
Deliverable: Reports visualisable on Dashboard of all analysis ready for AQ network and citizen science																													
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				0%		12/3/22		1/7/23																					
Analyse and optimise the pilot network				0%		1/7/23		2/11/23																					
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																					
Dashboard development based on the WP2-3				0%		1/3/23		2/12/23																					
The Pre participants evaluation survey designed by EDI group/citizen science experts				0%		2/12/23		2/22/23																					
Lessons and Tests for measuring and analysis with school				0%		2/22/23		4/23/23																					
Student Presentations and school dissemination				0%		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 dissemination for all stakeholders' tasks						3/1/23		6/29/23																					
Apply AirNode validation on DAFNI platform to real-time AQ network				0%		3/1/23		4/5/23																					
Report insights from optimising Low-cost AQ networks				0%		4/5/23		5/5/23																					
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																					
Report and publication writing				0%		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																													

AIR POLLUTION AWARENESS FOR EQUALITY DIVERSITY AND INCLUSIVE (EDI):
MAKE SENSE OF SENSOR THROUGH CITIZEN SCIENCE

Project End

29-Jun-2023

Project Start:

Wed, 6/1/2022

Stakeholders : Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate Fc Display Week:

0

Milestones				Oct 17, 22								Oct 24, 22								Oct 31, 22			
PROGRESS				START				END															
WP1 Preliminary research and Extend existing Literature Review				6/1/22				8/30/22															
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											
Preparing the Likert pre-participants survey based on the citizen science approach				0%				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 with existing datasets				9/1/22				12/30/22															
AirNode’s AQ validation software to existing AQ datasets breathe London, openAQ				0%				9/1/22				10/11/22											
Applying WP1 findings to AQ dataset analysis				0%				10/11/22				11/20/22											
Analysis of the output of AQ networks to link with the citizen science dashboard				0%				11/20/22				12/30/22											
Success Criteria: Analysis done on all AQ datasets																							
Deliverable: Reports visualisable on Dashboard of all analysis ready for AQ network and citizen science																							
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				0%				12/3/22				1/7/23											
Analyse and optimise the pilot network				0%				1/7/23				2/11/23											
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															
Dashboard development based on the WP2-3				0%				1/3/23				2/12/23											
The Pre participants evaluation survey designed by EDI group/citizen science experts				0%				2/12/23				2/22/23											
Lessons and Tests for measuring and analysis with school				0%				2/22/23				4/23/23											
Student Presentations and school dissemination				0%				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 dissemination for all stakeholders' tasks				3/1/23				6/29/23															
Apply AirNode validation on DAFNI platform to real-time AQ network				0%				3/1/23				4/5/23											
Report insights from optimising Low-cost AQ networks				0%				4/5/23				5/5/23											
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											
Report and publication writing				0%				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																							

AIR POLLUTION AWARENESS FOR EQUALITY DIVERSITY AND INCLUSIVE (EDI):
MAKE SENSE OF SENSOR THROUGH CITIZEN SCIENCE

Project End

29-Jun-2023

Project Start:

Wed, 6/1/2022

Stakeholders : Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate Fc Display Week:

0

Stakeholders : Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate Fc Display Week:				0		Nov 7, 22			Nov 14, 22							Nov 21, 22													
Milestones				PROGRESS		START		END		4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
										F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W
WP1 Preliminary research and Extend existing Literature Review						6/1/22		8/30/22																					
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																					
Preparing the Likert pre-participants survey based on the citizen science approach				0%		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 with existing datasets						9/1/22		12/30/22																					
AirNode’s AQ validation software to existing AQ datasets breathe London, openAQ				0%		9/1/22		10/11/22																					
Applying WP1 findings to AQ dataset analysis				0%		10/11/22		11/20/22																					
Analysis of the output of AQ networks to link with the citizen science dashboard				0%		11/20/22		12/30/22																					
Success Criteria: Analysis done on all AQ datasets																													
Deliverable: Reports visualisable on Dashboard of all analysis ready for AQ network and citizen science																													
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				0%		12/3/22		1/7/23																					
Analyse and optimise the pilot network				0%		1/7/23		2/11/23																					
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																					
Dashboard development based on the WP2-3				0%		1/3/23		2/12/23																					
The Pre participants evaluation survey designed by EDI group/citizen science experts				0%		2/12/23		2/22/23																					
Lessons and Tests for measuring and analysis with school				0%		2/22/23		4/23/23																					
Student Presentations and school dissemination				0%		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 dissemination for all stakeholders' tasks						3/1/23		6/29/23																					
Apply AirNode validation on DAFNI platform to real-time AQ network				0%		3/1/23		4/5/23																					
Report insights from optimising Low-cost AQ networks				0%		4/5/23		5/5/23																					
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																					
Report and publication writing				0%		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																													

AIR POLLUTION AWARENESS FOR EQUALITY DIVERSITY AND INCLUSIVE (EDI):
MAKE SENSE OF SENSOR THROUGH CITIZEN SCIENCE

Managing/Participant: Hua Zhong Senior Lecturer Nottingham

Stakeholders : Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate Fc Display Week:

Project End 29-Jun-2023

Project Start: Wed, 6/1/2022

0

Stakeholders : Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate Fo Display Week:				0				Nov 28, 22				Dec 5, 22				Dec 12, 22							
Milestones				PROGRESS				START				END											
WP1 Preliminary research and Extend existing Literature Review								6/1/22				8/30/22											
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											
Preparing the Likert pre-participants survey based on the citizen science approach				0%				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 with existing datasets								9/1/22				12/30/22											
AirNode’s AQ validation software to existing AQ datasets breathe London, openAQ				0%				9/1/22				10/11/22											
Applying WP1 findings to AQ dataset analysis				0%				10/11/22				11/20/22											
Analysis of the output of AQ networks to link with the citizen science dashboard				0%				11/20/22				12/30/22											
Success Criteria: Analysis done on all AQ datasets																							
Deliverable: Reports visualisable on Dashboard of all analysis ready for AQ network and citizen science																							
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				0%				12/3/22				1/7/23											
Analyse and optimise the pilot network				0%				1/7/23				2/11/23											
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											
Dashboard development based on the WP2-3				0%				1/3/23				2/12/23											
The Pre participants evaluation survey designed by EDI group/citizen science experts				0%				2/12/23				2/22/23											
Lessons and Tests for measuring and analysis with school				0%				2/22/23				4/23/23											
Student Presentations and school dissemination				0%				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 dissemination for all stakeholders' tasks								3/1/23				6/29/23											
Apply AirNode validation on DAFNI platform to real-time AQ network				0%				3/1/23				4/5/23											
Report insights from optimising Low-cost AQ networks				0%				4/5/23				5/5/23											
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											
Report and publication writing				0%				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																							

AIR POLLUTION AWARENESS FOR EQUALITY DIVERSITY AND INCLUSIVE (EDI):
MAKE SENSE OF SENSOR THROUGH CITIZEN SCIENCE

Project End

29-Jun-2023

Project Start:

Wed, 6/1/2022

Stakeholders : Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate Fc Display Week:

0

Stakeholders : Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate Fo Display Week:				0	22	Dec 19, 22						Dec 26, 22						Jan								
Milestones				PROGRESS	START	END	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2
							W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M
WP1 Preliminary research and Extend existing Literature Review					6/1/22	8/30/22																				
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																				
Preparing the Likert pre-participants survey based on the citizen science approach				0%	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 with existing datasets					9/1/22	12/30/22																				
AirNode’s AQ validation software to existing AQ datasets breathe London, openAQ				0%	9/1/22	10/11/22																				
Applying WP1 findings to AQ dataset analysis				0%	10/11/22	11/20/22																				
Analysis of the output of AQ networks to link with the citizen science dashboard				0%	11/20/22	12/30/22																				
Success Criteria: Analysis done on all AQ datasets																										
Deliverable: Reports visualisable on Dashboard of all analysis ready for AQ network and citizen science																										
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				0%	12/3/22	1/7/23																				
Analyse and optimise the pilot network				0%	1/7/23	2/11/23																				
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																				
Dashboard development based on the WP2-3				0%	1/3/23	2/12/23																				
The Pre participants evaluation survey designed by EDI group/citizen science experts				0%	2/12/23	2/22/23																				
Lessons and Tests for measuring and analysis with school				0%	2/22/23	4/23/23																				
Student Presentations and school dissemination				0%	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 dissemination for all stakeholders' tasks					3/1/23	6/29/23																				
Apply AirNode validation on DAFNI platform to real-time AQ network				0%	3/1/23	4/5/23																				
Report insights from optimising Low-cost AQ networks				0%	4/5/23	5/5/23																				
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																				
Report and publication writing				0%	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																										

Managing/Participant: Hua Zhong Senior Lecturer Nottingham

Project Start: Wed, 6/1/2022

Display Week:	0
---------------	---

Milestones	PROGRESS	START	END	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S
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																				
Preparing the Likert pre-participants survey based on the citizen science approach	0%	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 with existing datasets																							
AirNode’s AQ validation software to existing AQ datasets breathe London, openAQ	0%	9/1/22	10/11/22																				
Applying WP1 findings to AQ dataset analysis	0%	10/11/22	11/20/22																				
Analysis of the output of AQ networks to link with the citizen science dashboard	0%	11/20/22	12/30/22																				
Success Criteria: Analysis done on all AQ datasets																							
Deliverable: Reports visualisable on Dashboard of all analysis ready for AQ network and citizen science																							
WP3 Implementing the findings from WP1 and WP2 to the new AQ network for the pilot school tasks																							
Set up new pilot AQ network and data collection	0%	12/3/22	1/7/23																				
Analyse and optimise the pilot network	0%	1/7/23	2/11/23																				
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																							
Dashboard development based on the WP2-3	0%	1/3/23	2/12/23																				
The Pre participants evaluation survey designed by EDI group/citizen science experts	0%	2/12/23	2/22/23																				
Lessons and Tests for measuring and analysis with school	0%	2/22/23	4/23/23																				
Student Presentations and school dissemination	0%	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 dissemination for all stakeholders' tasks																							
Apply AirNode validation on DAFNI platform to real-time AQ network	0%	3/1/23	4/5/23																				
Report insights from optimising Low-cost AQ networks	0%	4/5/23	5/5/23																				
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																				
Report and publication writing	0%	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																							

AIR POLLUTION AWARENESS FOR EQUALITY DIVERSITY AND INCLUSIVE (EDI):
MAKE SENSE OF SENSOR THROUGH CITIZEN SCIENCE

Managing/Participant: Hua Zhong Senior Lecturer Nottingham

Stakeholders : Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate Fo

Project End29-Jun-2023

Re Start:Sun, 1/22/2023

Display Week:0

SIMPLE GANTT CHART by Vertex42.com
<https://www.vertex42.com/ExcelTemplates/simple-gantt-chart.html>

Stakeholders : Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate FoDisplay Week:				0		Jan 16, 2023										Jan 23, 2023					Jan 30, 2023					Feb 6, 23				
Milestones				PROGRESS		START		END		M	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	
WP1 Preliminary research and Extend existing Literature Review																														
Understanding optimisation of AQ Sensor network accuracies				0%																										
Understanding outdoor AQ impact on urban ventilation systems				0%																										
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																														
AirNode’s AQ validation software to existing AQ datasets breathe London, openAQ				0%																										
Applying WP1 findings to AQ dataset analysis				0%																										
Analysis of the output of AQ networks to link with the citizen science dashboard				0%																										
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 tasks						12/3/22		4/2/23																						
Set up new pilot AQ network and data collection				0%		12/3/22		1/7/23																						
Analyse and optimise the pilot network				0%		1/7/23		2/11/23																						
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																						
Dashboard development based on the WP2-3				0%		1/3/23		2/12/23																						
The Pre participants evaluation survey designed by EDI group/citizen science experts				0%		2/12/23		2/22/23																						
Lessons and Tests for measuring and analysis with school				0%		2/22/23		4/23/23																						
Student Presentations and school dissemination				0%		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 dissemination for all stakeholders' tasks						3/1/23		6/29/23																						
Apply AirNode validation on DAFNI platform to real-time AQ network				0%		3/1/23		4/5/23																						
Report insights from optimising Low-cost AQ networks				0%		4/5/23		5/5/23																						
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																						
Report and publication writing				0%		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																														

AIR POLLUTION AWARENESS FOR EQUALITY DIVERSITY AND INCLUSIVE (EDI):
MAKE SENSE OF SENSOR THROUGH CITIZEN SCIENCE

Managing/Participant: Hua Zhong Senior Lecturer Nottingham

Stakeholders : Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate FoDisplay Week:

Project End 29-Jun-2023

Re Start: Sun, 1/22/2023

0

Key



Vacation



Implementation

Stakeholders : Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate FcDisplay Week:				0		Feb 13, 23							Feb 20, 23							Feb 27, 23												
Milestones				PROGRESS		START		END																								
WP1 Preliminary research and Extend existing Literature Review																																
Understanding optimisation of AQ Sensor network accuracies				0%																												
Understanding outdoor AQ impact on urban ventilation systems				0%																												
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																																
AirNode’s AQ validation software to existing AQ datasets breathe London, openAQ				0%																												
Applying WP1 findings to AQ dataset analysis				0%																												
Analysis of the output of AQ networks to link with the citizen science dashboard				0%																												
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 tasks						12/3/22		4/2/23																								
Set up new pilot AQ network and data collection				0%		12/3/22		1/7/23																								
Analyse and optimise the pilot network				0%		1/7/23		2/11/23																								
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																								
Dashboard development based on the WP2-3				0%		1/3/23		2/12/23																								
The Pre participants evaluation survey designed by EDI group/citizen science experts				0%		2/12/23		2/22/23																								
Lessons and Tests for measuring and analysis with school				0%		2/22/23		4/23/23																								
Student Presentations and school dissemination				0%		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 dissemination for all stakeholders' tasks						3/1/23		6/29/23																								
Apply AirNode validation on DAFNI platform to real-time AQ network				0%		3/1/23		4/5/23																								
Report insights from optimising Low-cost AQ networks				0%		4/5/23		5/5/23																								
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																								
Report and publication writing				0%		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																																

AIR POLLUTION AWARENESS FOR EQUALITY DIVERSITY AND INCLUSIVE (EDI):
MAKE SENSE OF SENSOR THROUGH CITIZEN SCIENCE

Managing/Participant: Hua Zhong Senior Lecturer Nottingham

Stakeholders : Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate FoDisplay Week:

Project End 29-Jun-2023

Re Start: Sun, 1/22/2023

0

Stakeholders : Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate Fo				Display Week: 0				Mar 6, 23				Mar 13, 23				Mar 20, 23							
Milestones				PROGRESS				START				END											
WP1 Preliminary research and Extend existing Literature Review																							
Understanding optimisation of AQ Sensor network accuracies				0%																			
Understanding outdoor AQ impact on urban ventilation systems				0%																			
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																							
AirNode’s AQ validation software to existing AQ datasets breathe London, openAQ				0%																			
Applying WP1 findings to AQ dataset analysis				0%																			
Analysis of the output of AQ networks to link with the citizen science dashboard				0%																			
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 tasks				12/3/22				4/2/23															
Set up new pilot AQ network and data collection				0%				12/3/22				1/7/23											
Analyse and optimise the pilot network				0%				1/7/23				2/11/23											
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															
Dashboard development based on the WP2-3				0%				1/3/23				2/12/23											
The Pre participants evaluation survey designed by EDI group/citizen science experts				0%				2/12/23				2/22/23											
Lessons and Tests for measuring and analysis with school				0%				2/22/23				4/23/23											
Student Presentations and school dissemination				0%				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 dissemination for all stakeholders' tasks				3/1/23				6/29/23															
Apply AirNode validation on DAFNI platform to real-time AQ network				0%				3/1/23				4/5/23											
Report insights from optimising Low-cost AQ networks				0%				4/5/23				5/5/23											
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											
Report and publication writing				0%				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																							

AIR POLLUTION AWARENESS FOR EQUALITY DIVERSITY AND INCLUSIVE (EDI):
MAKE SENSE OF SENSOR THROUGH CITIZEN SCIENCE

Managing/Participant: Hua Zhong Senior Lecturer Nottingham

Stakeholders : Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate FoDisplay Week:

Project End 29-Jun-2023

Re Start: Sun, 1/22/2023

0

Stakeholders : Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate FoDisplay Week:				0), 23					Mar 27, 23					Apr 3, 23					Ap								
Milestones				PROGRESS		START		END																					
WP1 Preliminary research and Extend existing Literature Review																													
Understanding optimisation of AQ Sensor network accuracies				0%																									
Understanding outdoor AQ impact on urban ventilation systems				0%																									
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																													
AirNode’s AQ validation software to existing AQ datasets breathe London, openAQ				0%																									
Applying WP1 findings to AQ dataset analysis				0%																									
Analysis of the output of AQ networks to link with the citizen science dashboard				0%																									
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 tasks						12/3/22		4/2/23																					
Set up new pilot AQ network and data collection				0%		12/3/22		1/7/23																					
Analyse and optimise the pilot network				0%		1/7/23		2/11/23																					
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																					
Dashboard development based on the WP2-3				0%		1/3/23		2/12/23																					
The Pre participants evaluation survey designed by EDI group/citizen science experts				0%		2/12/23		2/22/23																					
Lessons and Tests for measuring and analysis with school				0%		2/22/23		4/23/23																					
Student Presentations and school dissemination				0%		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 dissemination for all stakeholders' tasks						3/1/23		6/29/23																					
Apply AirNode validation on DAFNI platform to real-time AQ network				0%		3/1/23		4/5/23																					
Report insights from optimising Low-cost AQ networks				0%		4/5/23		5/5/23																					
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																					
Report and publication writing				0%		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																													

AIR POLLUTION AWARENESS FOR EQUALITY DIVERSITY AND INCLUSIVE (EDI):
MAKE SENSE OF SENSOR THROUGH CITIZEN SCIENCE

Managing/Participant: Hua Zhong Senior Lecturer Nottingham

Stakeholders : Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate Fo

Project End 29-Jun-2023

Re Start: Sun, 1/22/2023

Display Week: 0

Stakeholders : Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate FoDisplay Week:				0		r 10, 23						Apr 17, 23						Apr 24, 23												
Milestones				PROGRESS		START		END		T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	
WP1 Preliminary research and Extend existing Literature Review																														
Understanding optimisation of AQ Sensor network accuracies				0%																										
Understanding outdoor AQ impact on urban ventilation systems				0%																										
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																														
AirNode’s AQ validation software to existing AQ datasets breathe London, openAQ				0%																										
Applying WP1 findings to AQ dataset analysis				0%																										
Analysis of the output of AQ networks to link with the citizen science dashboard				0%																										
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 tasks						12/3/22		4/2/23																						
Set up new pilot AQ network and data collection				0%		12/3/22		1/7/23																						
Analyse and optimise the pilot network				0%		1/7/23		2/11/23																						
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																						
Dashboard development based on the WP2-3				0%		1/3/23		2/12/23																						
The Pre participants evaluation survey designed by EDI group/citizen science experts				0%		2/12/23		2/22/23																						
Lessons and Tests for measuring and analysis with school				0%		2/22/23		4/23/23																						
Student Presentations and school dissemination				0%		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 dissemination for all stakeholders' tasks						3/1/23		6/29/23																						
Apply AirNode validation on DAFNI platform to real-time AQ network				0%		3/1/23		4/5/23																						
Report insights from optimising Low-cost AQ networks				0%		4/5/23		5/5/23																						
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																						
Report and publication writing				0%		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																														

AIR POLLUTION AWARENESS FOR EQUALITY DIVERSITY AND INCLUSIVE (EDI):
MAKE SENSE OF SENSOR THROUGH CITIZEN SCIENCE

Managing/Participant: Hua Zhong Senior Lecturer Nottingham

Stakeholders : Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate FoDisplay Week:

Project End29-Jun-2023

Re Start:Sun, 1/22/2023

0

Stakeholders : Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate FoDisplay Week:				0		May 1, 23							May 8, 23							May 15, 23									
Milestones				PROGRESS		START		END		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
WP1 Preliminary research and Extend existing Literature Review																													
Understanding optimisation of AQ Sensor network accuracies				0%																									
Understanding outdoor AQ impact on urban ventilation systems				0%																									
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																													
AirNode’s AQ validation software to existing AQ datasets breathe London, openAQ				0%																									
Applying WP1 findings to AQ dataset analysis				0%																									
Analysis of the output of AQ networks to link with the citizen science dashboard				0%																									
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 tasks						12/3/22		4/2/23																					
Set up new pilot AQ network and data collection				0%		12/3/22		1/7/23																					
Analyse and optimise the pilot network				0%		1/7/23		2/11/23																					
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																					
Dashboard development based on the WP2-3				0%		1/3/23		2/12/23																					
The Pre participants evaluation survey designed by EDI group/citizen science experts				0%		2/12/23		2/22/23																					
Lessons and Tests for measuring and analysis with school				0%		2/22/23		4/23/23																					
Student Presentations and school dissemination				0%		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 dissemination for all stakeholders' tasks						3/1/23		6/29/23																					
Apply AirNode validation on DAFNI platform to real-time AQ network				0%		3/1/23		4/5/23																					
Report insights from optimising Low-cost AQ networks				0%		4/5/23		5/5/23																					
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																					
Report and publication writing				0%		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																													

AIR POLLUTION AWARENESS FOR EQUALITY DIVERSITY AND INCLUSIVE (EDI):
MAKE SENSE OF SENSOR THROUGH CITIZEN SCIENCE

Managing/Participant: Hua Zhong Senior Lecturer Nottingham

Stakeholders : Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate FoDisplay Week:

Project End29-Jun-2023

Re Start:Sun, 1/22/2023

0

Stakeholders : Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate FoDisplay Week:				0		May 22, 23							May 29, 23							Jun 5, 23									
Milestones				PROGRESS		START		END		21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9
										S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F
WP1 Preliminary research and Extend existing Literature Review																													
Understanding optimisation of AQ Sensor network accuracies				0%																									
Understanding outdoor AQ impact on urban ventilation systems				0%																									
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																													
AirNode’s AQ validation software to existing AQ datasets breathe London, openAQ				0%																									
Applying WP1 findings to AQ dataset analysis				0%																									
Analysis of the output of AQ networks to link with the citizen science dashboard				0%																									
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 tasks						12/3/22		4/2/23																					
Set up new pilot AQ network and data collection				0%		12/3/22		1/7/23																					
Analyse and optimise the pilot network				0%		1/7/23		2/11/23																					
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																					
Dashboard development based on the WP2-3				0%		1/3/23		2/12/23																					
The Pre participants evaluation survey designed by EDI group/citizen science experts				0%		2/12/23		2/22/23																					
Lessons and Tests for measuring and analysis with school				0%		2/22/23		4/23/23																					
Student Presentations and school dissemination				0%		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 dissemination for all stakeholders' tasks						3/1/23		6/29/23																					
Apply AirNode validation on DAFNI platform to real-time AQ network				0%		3/1/23		4/5/23																					
Report insights from optimising Low-cost AQ networks				0%		4/5/23		5/5/23																					
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																					
Report and publication writing				0%		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																													

AIR POLLUTION AWARENESS FOR EQUALITY DIVERSITY AND INCLUSIVE (EDI):
MAKE SENSE OF SENSOR THROUGH CITIZEN SCIENCE

Managing/Participant: Hua Zhong Senior Lecturer Nottingham

Stakeholders : Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate FoDisplay Week:

Project End 29-Jun-2023

Re Start: Sun, 1/22/2023

0

Stakeholders : Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate FoDisplay Week:							0		Jun 12, 23								Jun 19, 23								Jun 26, 23												
Milestones							PROGRESS		START		END		10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29					
							S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T											
WP1 Preliminary research and Extend existing Literature Review																																					
Understanding optimisation of AQ Sensor network accuracies							0%																														
Understanding outdoor AQ impact on urban ventilation systems							0%																														
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																																					
AirNode’s AQ validation software to existing AQ datasets breathe London, openAQ							0%																														
Applying WP1 findings to AQ dataset analysis							0%																														
Analysis of the output of AQ networks to link with the citizen science dashboard							0%																														
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 tasks									12/3/22		4/2/23																										
Set up new pilot AQ network and data collection							0%		12/3/22		1/7/23																										
Analyse and optimise the pilot network							0%		1/7/23		2/11/23																										
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																										
Dashboard development based on the WP2-3							0%		1/3/23		2/12/23																										
The Pre participants evaluation survey designed by EDI group/citizen science experts							0%		2/12/23		2/22/23																										
Lessons and Tests for measuring and analysis with school							0%		2/22/23		4/23/23																										
Student Presentations and school dissemination							0%		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 dissemination for all stakeholders' tasks									3/1/23		6/29/23																										
Apply AirNode validation on DAFNI platform to real-time AQ network							0%		3/1/23		4/5/23																										
Report insights from optimising Low-cost AQ networks							0%		4/5/23		5/5/23																										
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																										
Report and publication writing							0%		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																																					

AIR POLLUTION AWARENESS FOR EQUALITY DIVERSITY AND INCLUSIVE (EDI):
MAKE SENSE OF SENSOR THROUGH CITIZEN SCIENCE

Managing/Participant: Hua Zhong Senior Lecturer Nottingham

Stakeholders : Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate FoDisplay Week:

Project End 29-Jun-2023

Re Start: Sun, 1/22/2023

0

Milestones				Jul 3, 23									Jul 10, 23							Jul 17, 23		
PROGRESS				START									END									
WP1 Preliminary research and Extend existing Literature Review																						
Understanding optimisation of AQ Sensor network accuracies				0%																		
Understanding outdoor AQ impact on urban ventilation systems				0%																		
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																						
AirNode’s AQ validation software to existing AQ datasets breathe London, openAQ				0%																		
Applying WP1 findings to AQ dataset analysis				0%																		
Analysis of the output of AQ networks to link with the citizen science dashboard				0%																		
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 tasks					12/3/22																	
Set up new pilot AQ network and data collection				0%	12/3/22																	
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																	
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																	
Dashboard development based on the WP2-3				0%	1/3/23																	
The Pre participants evaluation survey designed by EDI group/citizen science experts				0%	2/12/23																	
Lessons and Tests for measuring and analysis with school				0%	2/22/23																	
Student Presentations and school dissemination				0%	4/23/23																	
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 dissemination for all stakeholders' tasks					3/1/23																	
Apply AirNode validation on DAFNI platform to real-time AQ network				0%	3/1/23																	
Report insights from optimising Low-cost AQ networks				0%	4/5/23																	
The post-evaluation survey with all stakeholders				0%	5/5/23																	
Dissemination with all stakeholders				0%	5/15/23																	
Report and publication writing				0%	5/25/23																	
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																						

AIR POLLUTION AWARENESS FOR EQUALITY DIVERSITY AND INCLUSIVE (EDI):
MAKE SENSE OF SENSOR THROUGH CITIZEN SCIENCE

Managing/Participant: Hua Zhong Senior Lecturer Nottingham

Stakeholders : Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate FoDisplay Week:

Project End29-Jun-2023

Re Start:Sun, 1/22/2023

0

Stakeholders : Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate FoDisplay Week:				0		Jul 24, 23								Jul 31, 23								Aug 7, 23																															
Milestones				PROGRESS		START		END		20		21		22		23		24		25		26		27		28		29		30		31		1		2		3		4		5		6		7		8					
WP1 Preliminary research and Extend existing Literature Review																																																					
Understanding optimisation of AQ Sensor network accuracies				0%																																																	
Understanding outdoor AQ impact on urban ventilation systems				0%																																																	
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																																																					
AirNode’s AQ validation software to existing AQ datasets breathe London, openAQ				0%																																																	
Applying WP1 findings to AQ dataset analysis				0%																																																	
Analysis of the output of AQ networks to link with the citizen science dashboard				0%																																																	
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 tasks						12/3/22		4/2/23																																													
Set up new pilot AQ network and data collection				0%		12/3/22		1/7/23																																													
Analyse and optimise the pilot network				0%		1/7/23		2/11/23																																													
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																																													
Dashboard development based on the WP2-3				0%		1/3/23		2/12/23																																													
The Pre participants evaluation survey designed by EDI group/citizen science experts				0%		2/12/23		2/22/23																																													
Lessons and Tests for measuring and analysis with school				0%		2/22/23		4/23/23																																													

AIR POLLUTION AWARENESS FOR EQUALITY DIVERSITY AND INCLUSIVE (EDI):
MAKE SENSE OF SENSOR THROUGH CITIZEN SCIENCE

Managing/Participant: Hua Zhong Senior Lecturer Nottingham

Stakeholders : Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate FoDisplay Week:

Project End 29-Jun-2023

Re Start: Sun, 1/22/2023

0

Stakeholders : Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate Fo				Display Week: 0		3	Aug 14, 23								Aug 21, 23								Au								
Milestones				PROGRESS		START		END		9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		
										W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M		
WP1 Preliminary research and Extend existing Literature Review																															
Understanding optimisation of AQ Sensor network accuracies				0%																											
Understanding outdoor AQ impact on urban ventilation systems				0%																											
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																															
AirNode’s AQ validation software to existing AQ datasets breathe London, openAQ				0%																											
Applying WP1 findings to AQ dataset analysis				0%																											
Analysis of the output of AQ networks to link with the citizen science dashboard				0%																											
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 tasks					12/3/22			4/2/23																							
Set up new pilot AQ network and data collection				0%	12/3/22			1/7/23																							
Analyse and optimise the pilot network				0%	1/7/23			2/11/23																							
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																							
Dashboard development based on the WP2-3				0%	1/3/23			2/12/23																							
The Pre participants evaluation survey designed by EDI group/citizen science experts				0%	2/12/23			2/22/23																							
Lessons and Tests for measuring and analysis with school				0%	2/22/23			4/23/23																							
Student Presentations and school dissemination				0%	4/23/23			5/28/23																							
Success Criteria: School Programme is completed																															
Deliverable: Presentations, Analysis and AQ measurements completed																															

AIR POLLUTION AWARENESS FOR EQUALITY DIVERSITY AND INCLUSIVE (EDI):
MAKE SENSE OF SENSOR THROUGH CITIZEN SCIENCE

Managing/Participant: Hua Zhong Senior Lecturer Nottingham

Stakeholders : Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate FoDisplay Week:

Project End 29-Jun-2023

Re Start: Sun, 1/22/2023

0

Milestones				Aug 28, 23							Sep 4, 23							Sep 11, 23						
PROGRESS				START							END													
WP1 Preliminary research and Extend existing Literature Review																								
Understanding optimisation of AQ Sensor network accuracies				0%																				
Understanding outdoor AQ impact on urban ventilation systems				0%																				
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																								
AirNode’s AQ validation software to existing AQ datasets breathe London, openAQ				0%																				
Applying WP1 findings to AQ dataset analysis				0%																				
Analysis of the output of AQ networks to link with the citizen science dashboard				0%																				
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 tasks					12/3/22							4/2/23												
Set up new pilot AQ network and data collection				0%	12/3/22							1/7/23												
Analyse and optimise the pilot network				0%	1/7/23							2/11/23												
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												
Dashboard development based on the WP2-3				0%	1/3/23							2/12/23												
The Pre participants evaluation survey designed by EDI group/citizen science experts				0%	2/12/23							2/22/23												
Lessons and Tests for measuring and analysis with school				0%	2/22/23							4/23/23												
Student Presentations and school dissemination				0%	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 dissemination for all stakeholders' tasks					3/1/23							6/29/23												
Apply AirNode validation on DAFNI platform to real-time AQ network				0%	3/1/23							4/5/23												
Report insights from optimising Low-cost AQ networks				0%	4/5/23							5/5/23												
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												
Report and publication writing				0%	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																								