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

Project Start: Wed, 6/1/2022

Display Week: 0

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

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

Managing/Participant: Hua Zhong Senior Lecturer Nottingham

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

Project End 29-Jun-2023

Project Start: Wed, 6/1/2022

Display Week: 0

Key

Vacation

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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
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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

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			

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

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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
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WP2 Software validation with existing datasets		9/1/22	12/30/22
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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
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WP4 Citizen Science activities and dashboard development for Schools tasks		1/3/23	5/28/23
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Success Criteria: School Programme is completed			
Deliverable: Presentations, Analysis and AQ measurements completed			
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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
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Success Criteria: Pupil's science capital increase evident from presentations			
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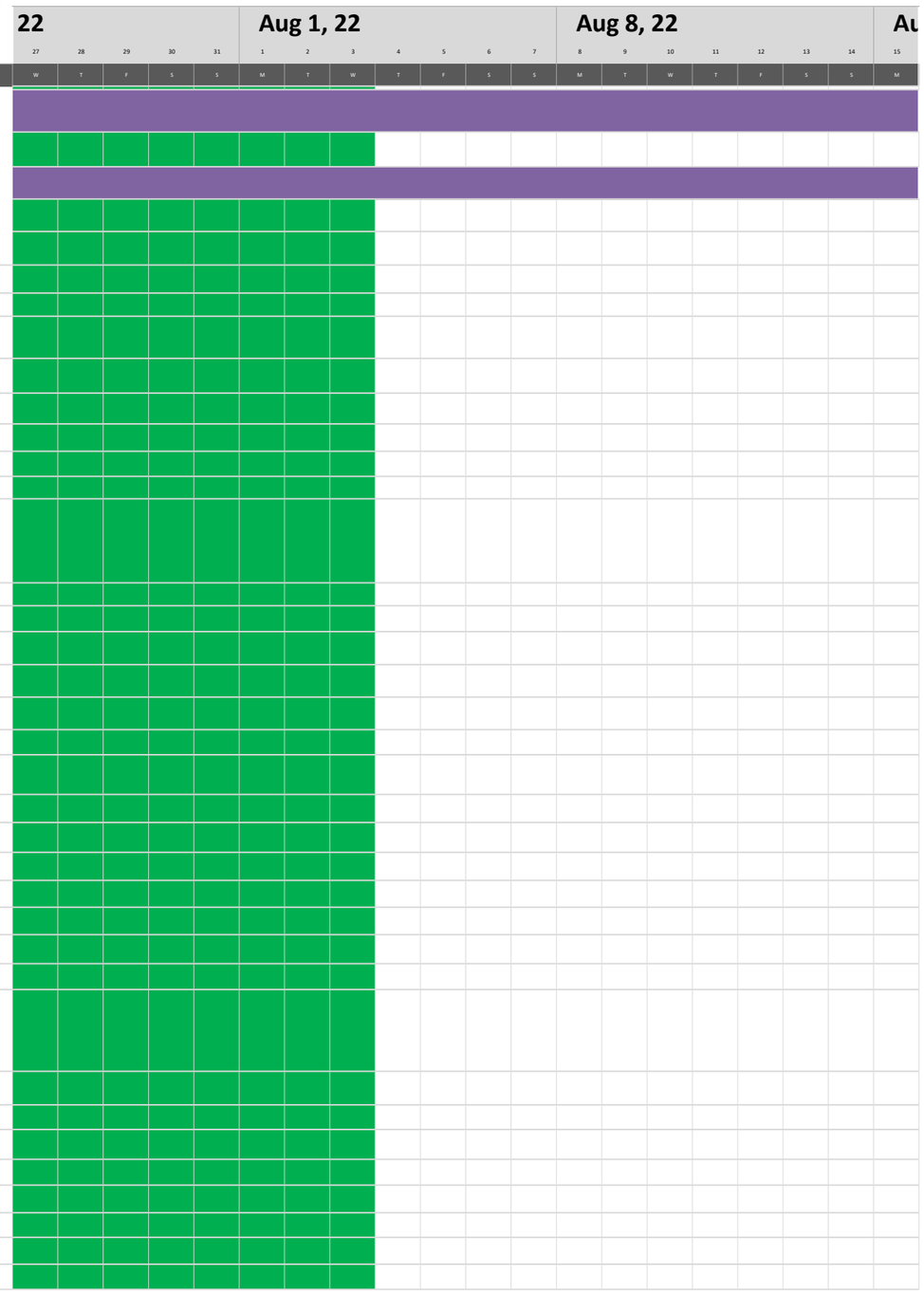
and results upload to DAFNI			



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Success Criteria: Pupil's science capital increase evident from presentations			
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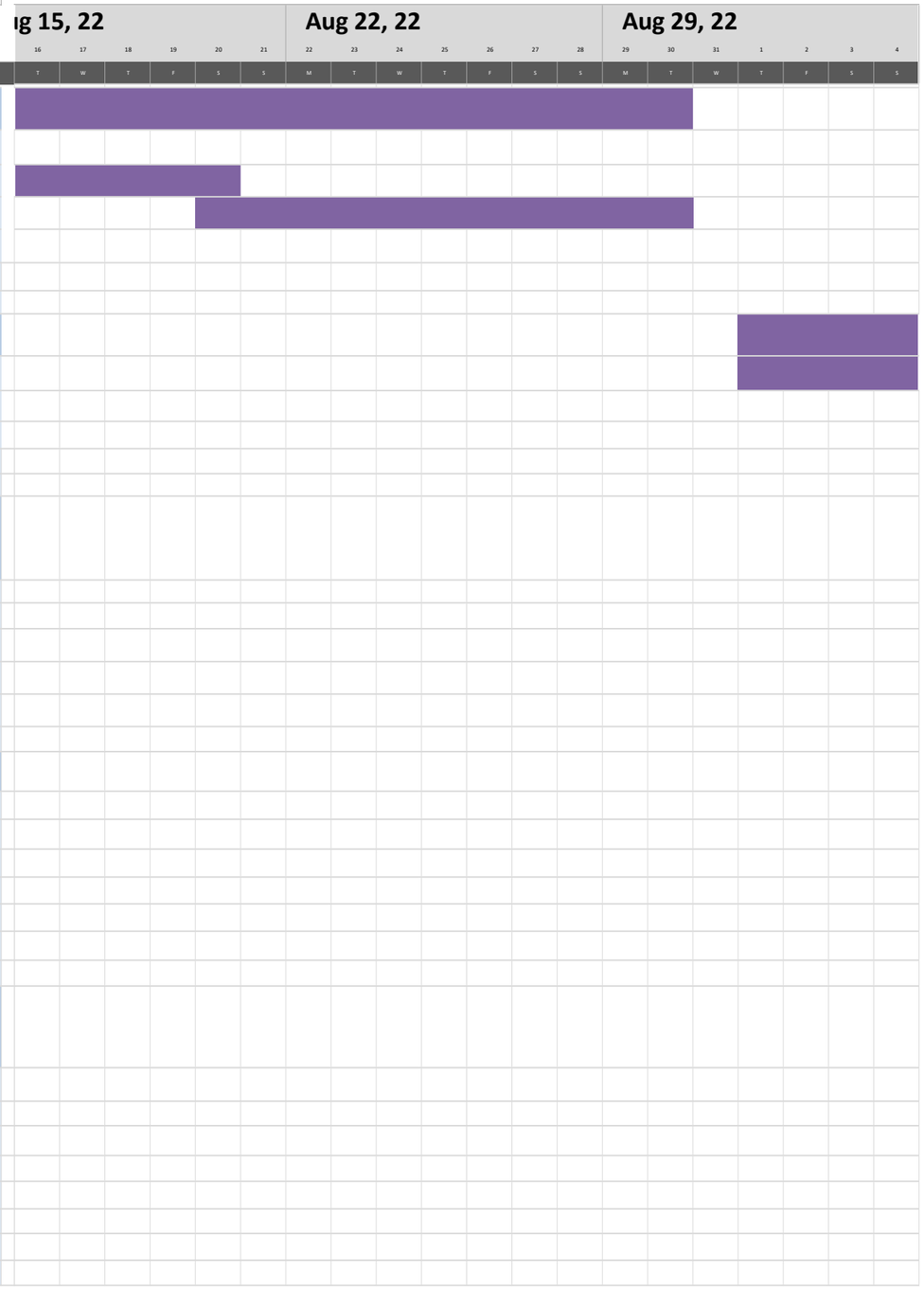

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Success Criteria: Analysis done on all AQ datasets			
Deliverable: Reports visualisable on Dashboard of all analysis ready for AQ network and citizen science			
WP3 Implementing the findings from WP1 and WP2 to the new AQ network for the pilot school 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
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Success Criteria: AQ network tested and implemented, AirNode software identifying irregular Patterns			
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WP4 Citizen Science activities and dashboard development for Schools tasks		1/3/23	5/28/23
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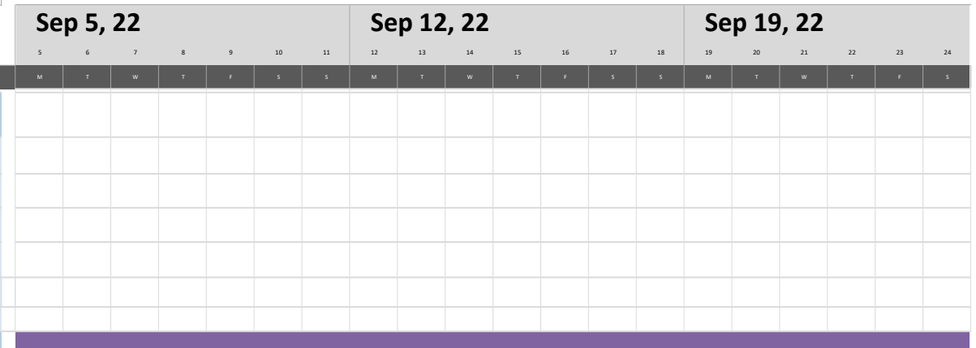

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WP3 Implementing the findings from WP1 and WP2 to the new AQ network for the pilot school tasks		12/3/22	4/2/23
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WP5 Integrating the software and datasets on the DAFNI platform for scale-up and dissemination for all stakeholders' tasks		3/1/23	6/29/23
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Success Criteria: Pupil's science capital increase evident from presentations			
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and results upload to DAFNI			

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Project End 29-Jun-2023

Managing/Participant: Hua Zhong Senior Lecturer Nottingham

Project Start: Wed, 6/1/2022

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Success Criteria: Literature review extension and surveys completed			
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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
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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

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			

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

MAKE SENSE OF SENSOR THROUGH CITIZEN SCIENCE

Project End 29-Jun-2023

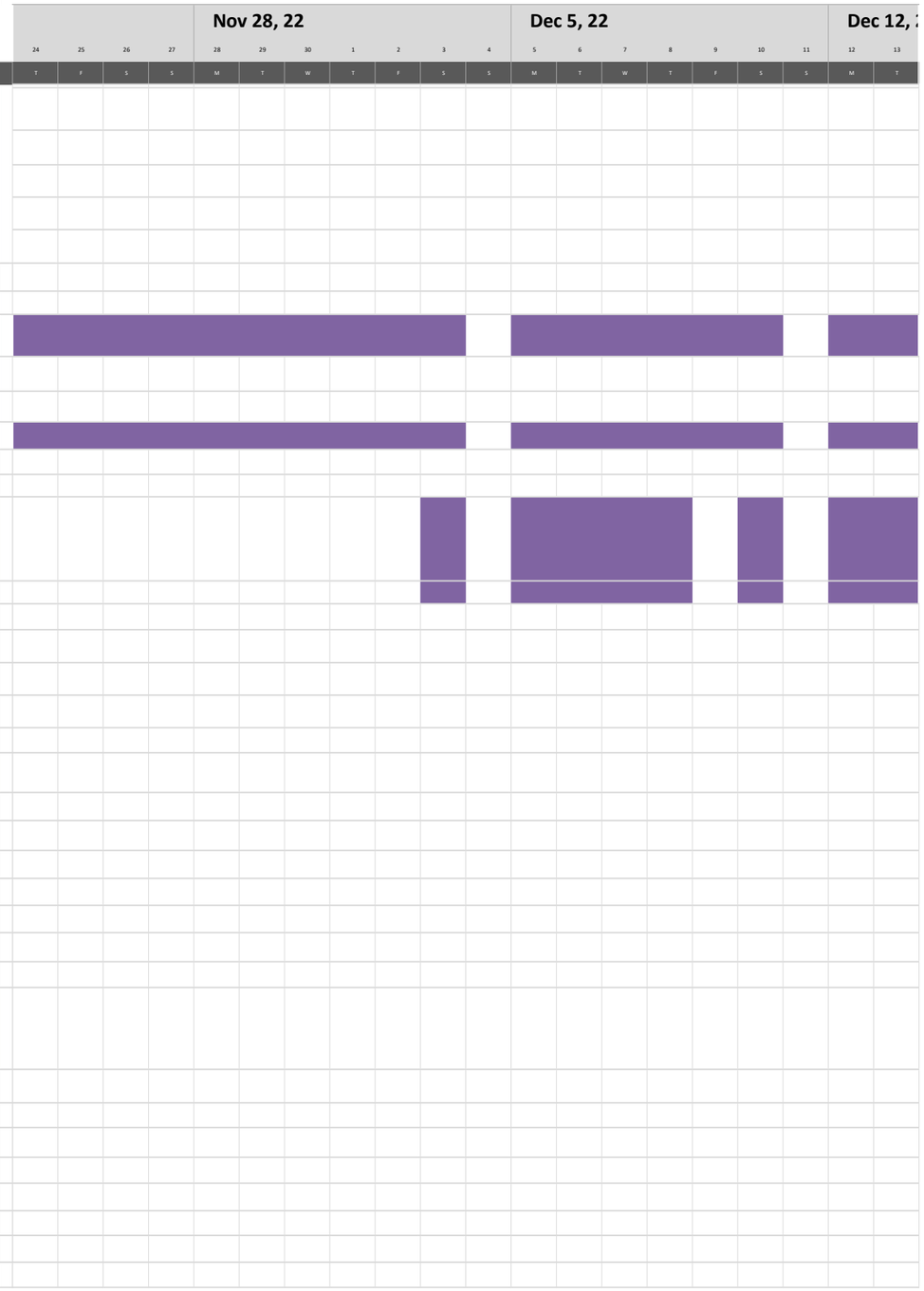
Managing/Participant: Hua Zhong Senior Lecturer Nottingham

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			



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

MAKE SENSE OF SENSOR THROUGH CITIZEN SCIENCE

Project End 29-Jun-2023

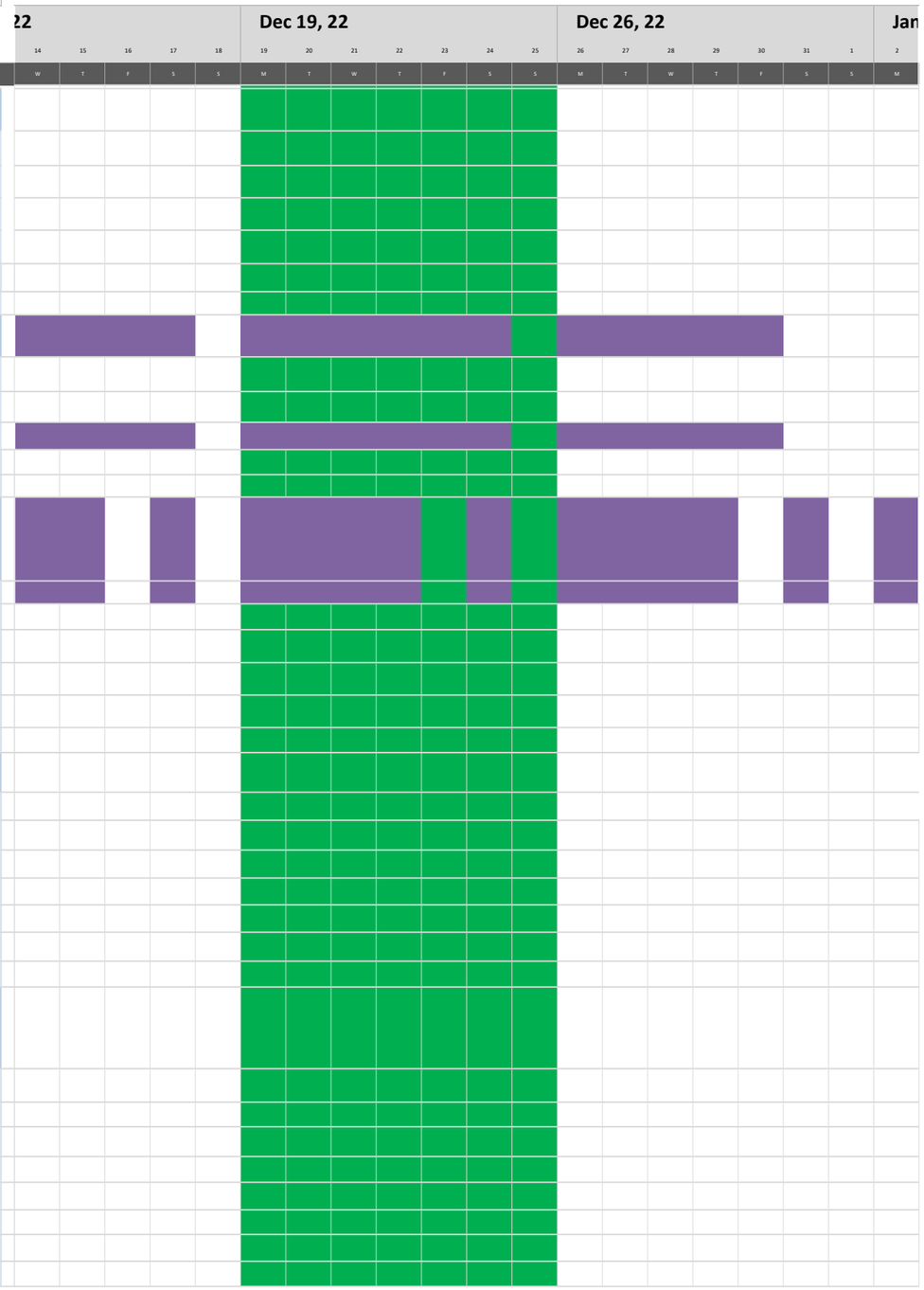
Managing/Participant: Hua Zhong Senior Lecturer Nottingham

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			



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

MAKE SENSE OF SENSOR THROUGH CITIZEN SCIENCE

Project End 29-Jun-2023

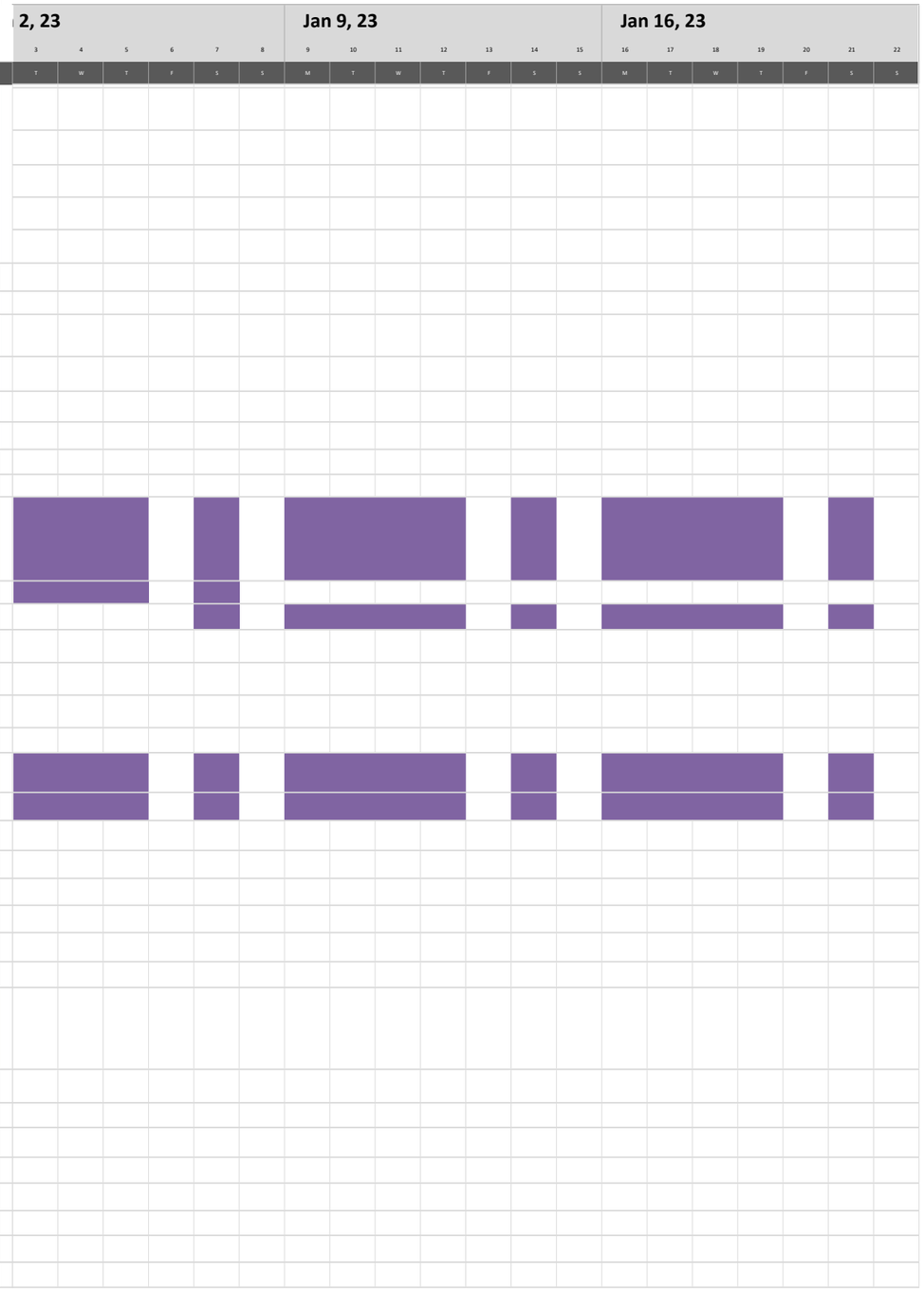
Managing/Participant: Hua Zhong Senior Lecturer Nottingham

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			



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

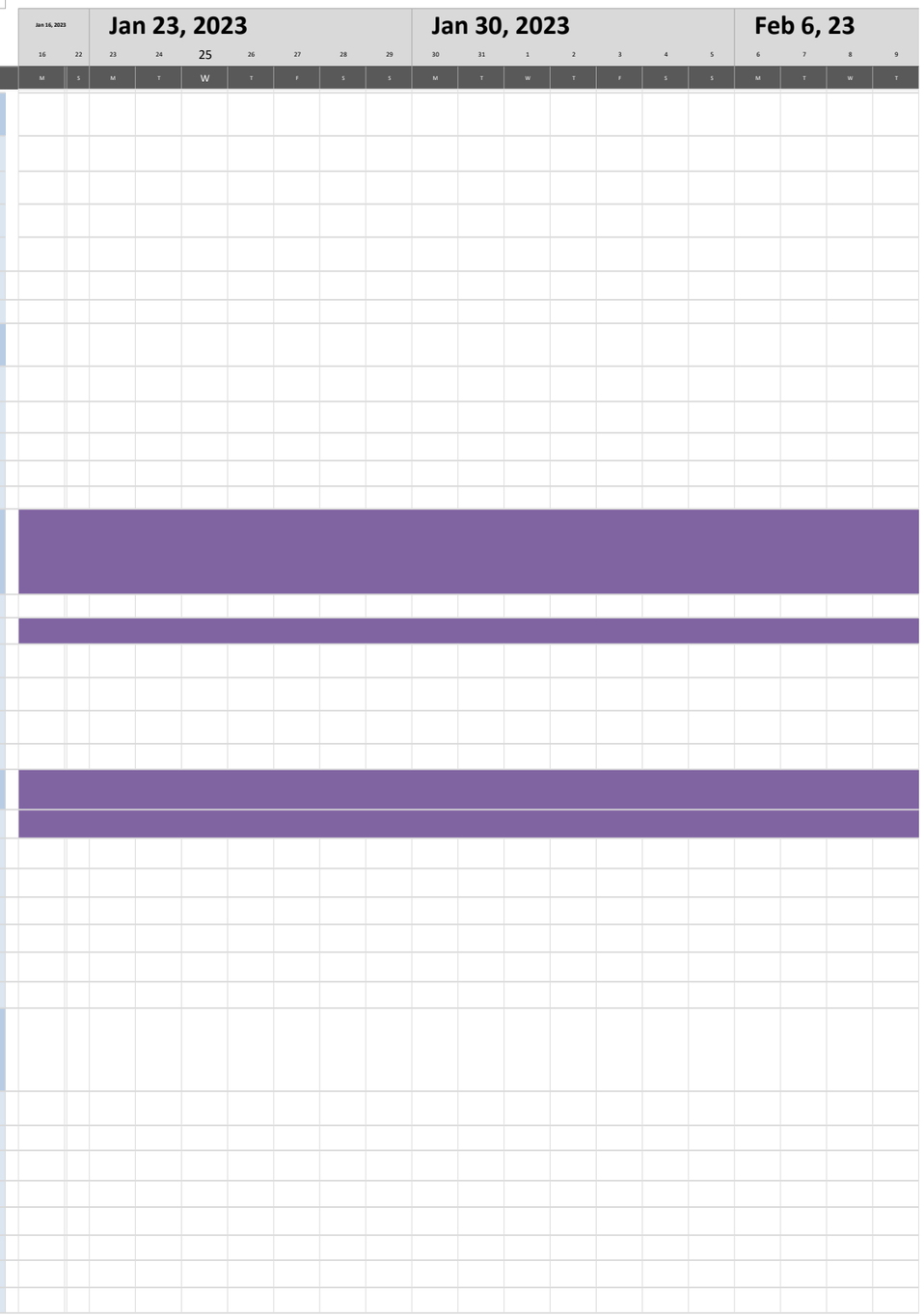
Re Start: Sun, 1/22/2023

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

Display Week: 0

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

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

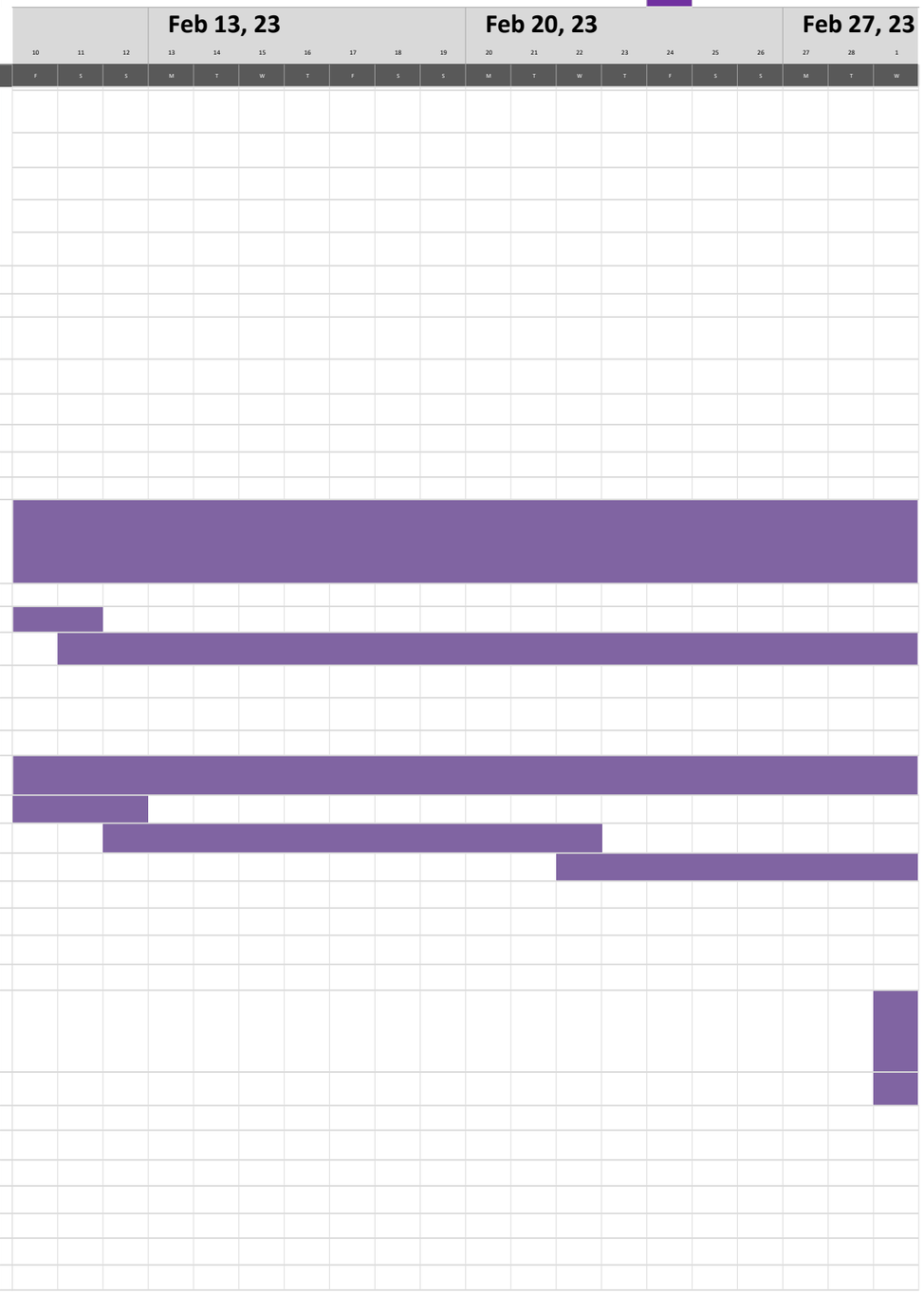
Display Week: 0

Key

Vacation

Imlementation

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

Project End 29-Jun-2023

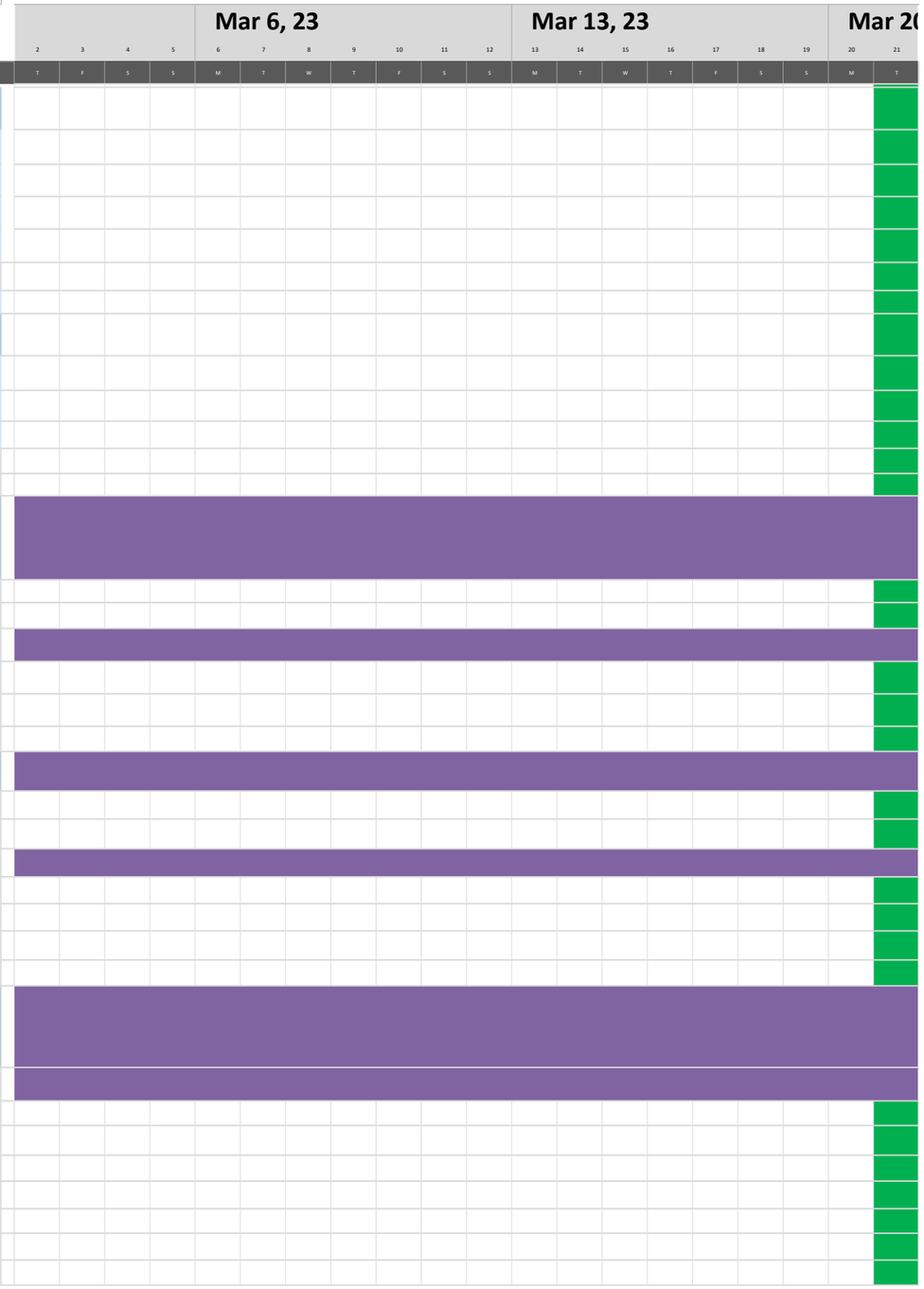
Managing/Participant: Hua Zhong Senior Lecturer Nottingham

Re Start: Sun, 1/22/2023

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			
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

Project End 29-Jun-2023

Managing/Participant: Hua Zhong Senior Lecturer Nottingham

Re Start: Sun, 1/22/2023

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			
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

Project End 29-Jun-2023

Managing/Participant: Hua Zhong Senior Lecturer Nottingham

Re Start: Sun, 1/22/2023

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			
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

Project End 29-Jun-2023

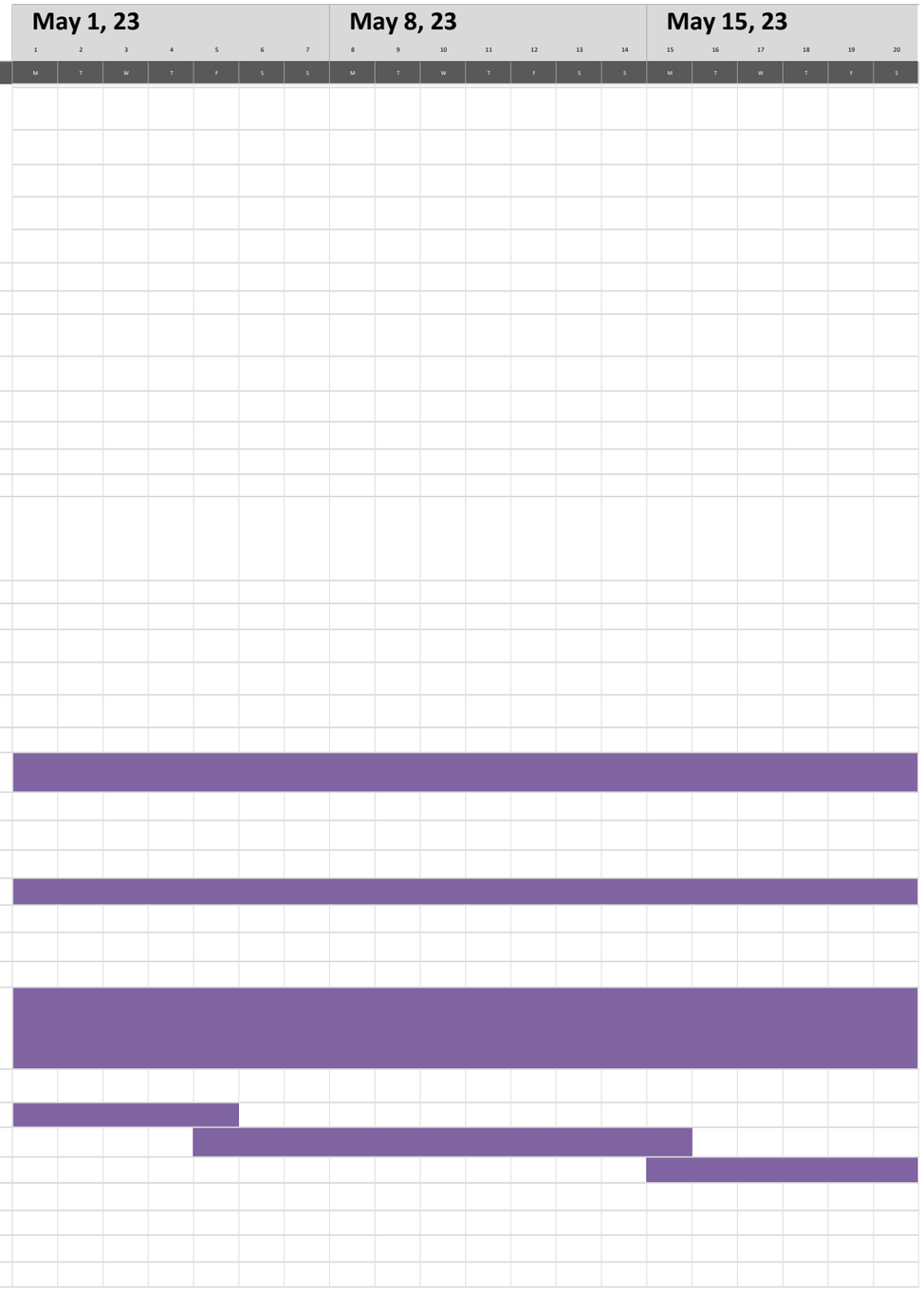
Managing/Participant: Hua Zhong Senior Lecturer Nottingham

Re Start: Sun, 1/22/2023

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			
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

Project End 29-Jun-2023

Managing/Participant: Hua Zhong Senior Lecturer Nottingham

Re Start: Sun, 1/22/2023

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			
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

Project End 29-Jun-2023

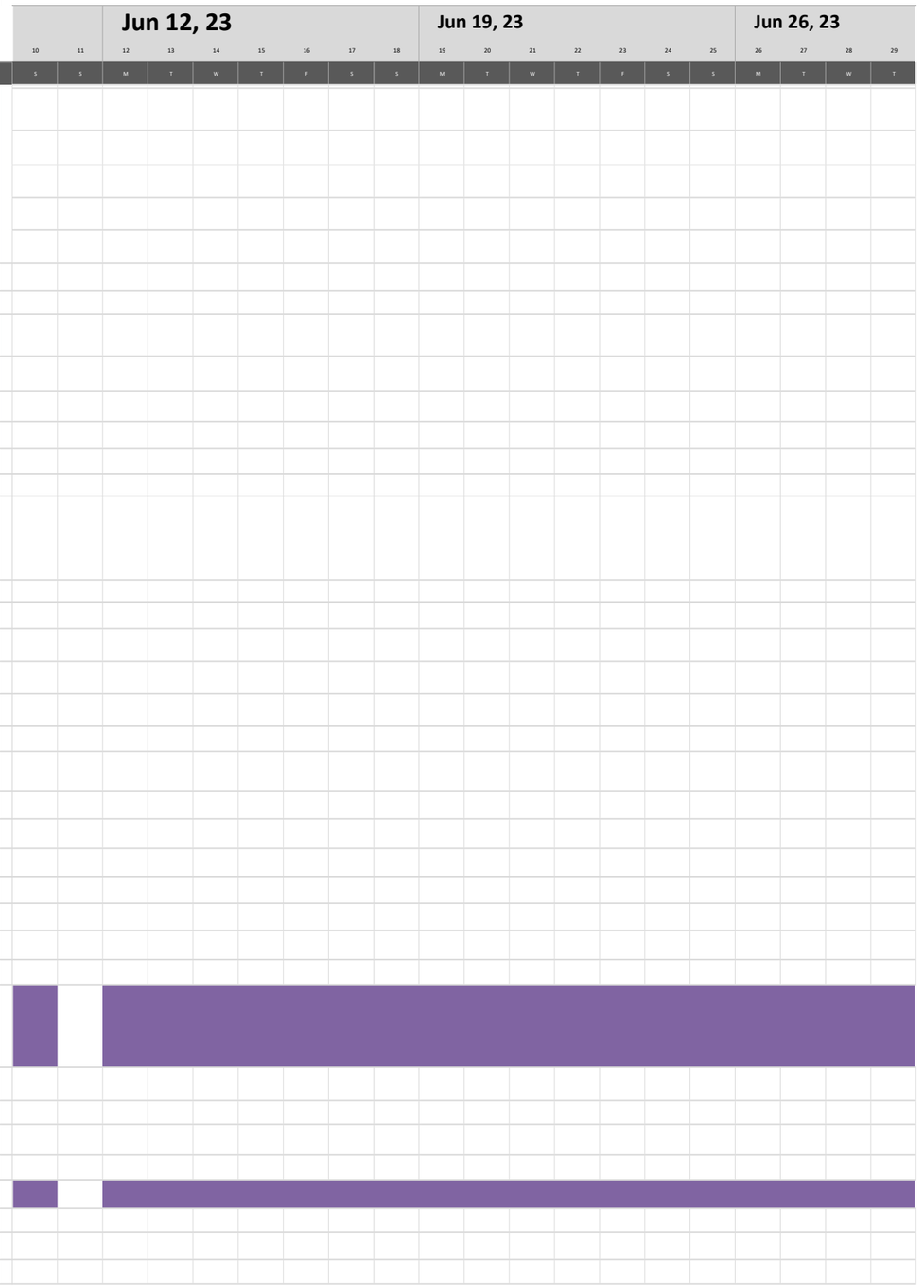
Managing/Participant: Hua Zhong Senior Lecturer Nottingham

Re Start: Sun, 1/22/2023

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			
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

Project End 29-Jun-2023

Managing/Participant: Hua Zhong Senior Lecturer Nottingham

Re Start: Sun, 1/22/2023

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			
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

Project End 29-Jun-2023

Managing/Participant: Hua Zhong Senior Lecturer Nottingham

Re Start: Sun, 1/22/2023

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			
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

Project End 29-Jun-2023

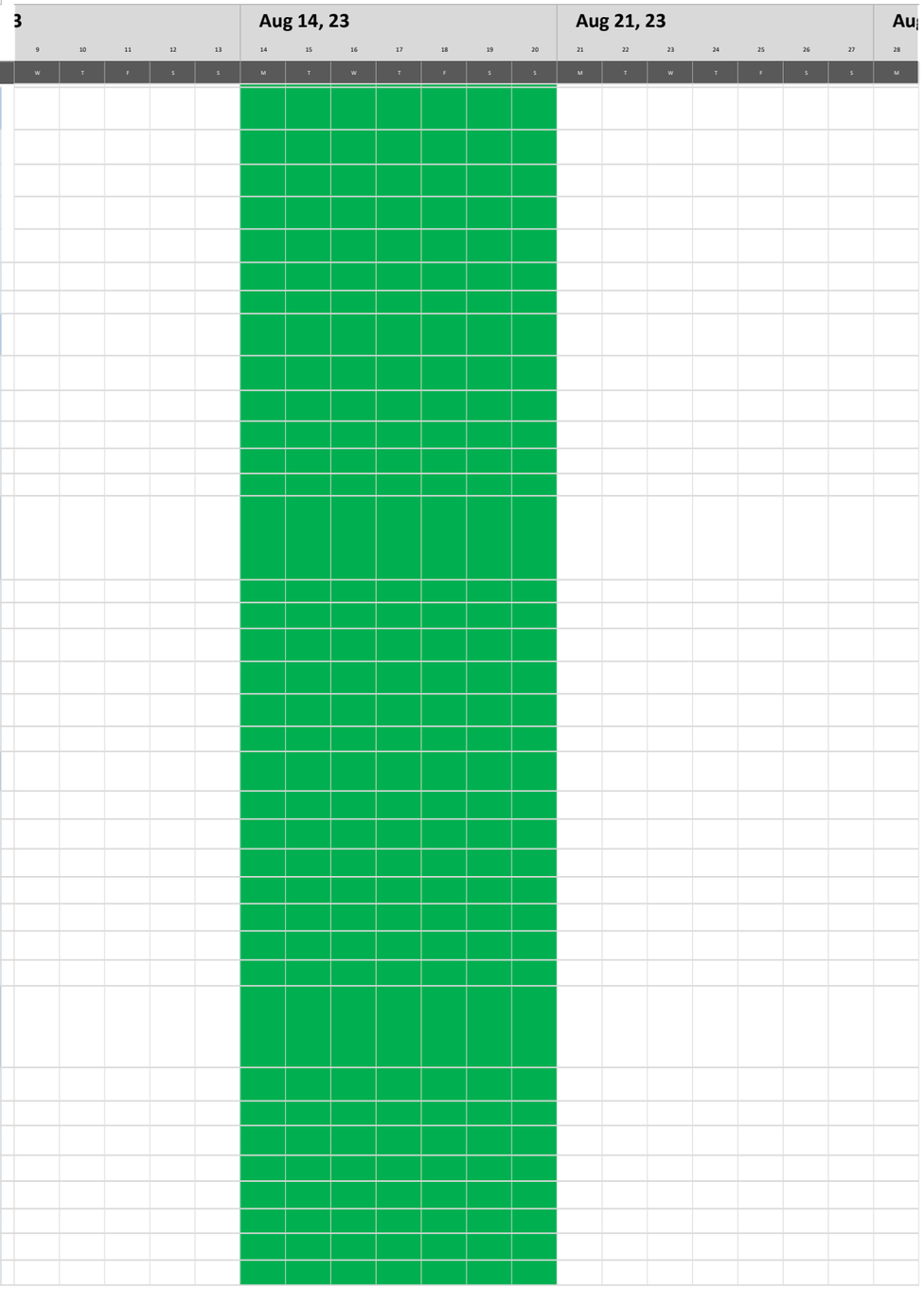
Managing/Participant: Hua Zhong Senior Lecturer Nottingham

Re Start: Sun, 1/22/2023

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			
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

Project End 29-Jun-2023

Managing/Participant: Hua Zhong Senior Lecturer Nottingham

Re Start: Sun, 1/22/2023

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			
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