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

Managing/Participant: Hua Zhong Senior Lecturer Nottingham Project Start:

Project End

29-Jun-2023

Wed, 6/1/2022

| | | wca, o, | 1,2022 | | | | |
|---|--------------|----------|-----------|--------------|--------------|-------------|----------------|
| Stakeholders : Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate Fo Di | isplay Week: | 0 | | May 23, 2022 | May 30, 2022 | Jun 6, 2022 | Jun 13, 22 |
| Milestones | PROGRESS | START | END | M S | | 5 M T W T F | 11 12 13 14 15 |
| 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 | | | | | | | |
| VP2 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 Success Criteria: Analysis done on all AQ datasets Deliverable: Reports visualisable on Dashboard of all analysis ready for AQ network and citizen science | 0% | 11/20/22 | 12/30/22 | | | | |
| WP3 Implementing the findings from WP1 and WP2 to the new AQ network for the bilot 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 | | 4 /2 /22 | 5 /20 /20 | | | | |
| VP4 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 Success Criteria: School Programme is completed | 0% | 4/23/23 | 5/28/23 | | | | |
| 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 | | | | | | | |
| lissemination 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 Success Criteria: Pupil's science capital increase evident from presentations | 0% | 5/25/23 | 6/29/23 | | | | |
| 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

Preparing the Likert pre-participants survey based on the citizen science approach

Jun 27, 22

Jul 4, 22

Managing/Participant: Hua Zhong Senior Lecturer Nottingham Project Start: Stakeholders: Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate Fo Display Week:

Wed, 6/1/2022 Jun 20, 22 0 START END 6/1/22 8/30/22 7/11/22 6/1/22 8/20/22 7/11/22 8/30/22 8/20/22

4/2/23

1/7/23

6/29/23

29-Jun-2023

12/3/22

12/3/22

3/1/23

Project End

0%

0%

0%

| WP2 Software validation with existing datasets |
|---|
| desiminated to project team and used to design next steps |
| Deliverable: Literature Review extended from Existing Literature review |

Success Criteria: Literature review extension and surveys completed

WP1 Preliminary research and Extend existing Literature Review

Understanding optimisation of AQ Sensor network accuracies

Understanding outdoor AQ impact on urban ventilation systems

| 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 Critaria: Analysis done on all AO datasets | | | |

| WP3 Implementing the findings from WP1 and WP2 to the new AQ network for the |
|--|
| pilot school tasks |

Deliverable: Reports visualisable on Dashboard of all analysis ready for AQ network and citizen science

| 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

Set up new pilot AQ network and data collection

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 | |

| issemination 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

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|------|---|----|----|
| Page | 2 | Ωt | 24 |

MAKE SENSE OF SENSOR THROUGH CITIZEN SCIENCE

| Managing/Participant: Hua Zhong Senior Lecturer Nottingham | Project Start: | Wed, 6/1 | 1/2022 | | | |
|--|----------------|--------------------|--------------------|-----------------|------------------------------------|-----------------|
| takeholders: Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate Fo | Display Week: | 0 | | Jul 11, 22 | Jul 18, 22 5 16 17 18 19 20 21 22 | Jul 23 24 25 |
| Milestones | PROGRESS | START | END | T F S S W T W T | S S M T W T F | S S M |
| /P1 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 | | | | | | |
| /P2 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 | | | | | | |
| P3 Implementing the findings from WP1 and WP2 to the new AQ network for the | | 12/3/22 | 4/2/23 | | | |
| lot school tasks | | , _, | ., _, _5 | | | |
| 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 | | 1/2/22 | E /20 /22 | | | |
| P4 Citizen Science activities and dashboard development for Schools tasks | 00/ | 1/3/23 | 5/28/23 | | | |
| Dashboard development based on the WP2-3 The Pre participants evaluation survey designed by EDI group/citizen science experts | 0% 0% | 1/3/23 | 2/12/23 2/22/23 | | | |
| Lessons and Tests for measuring and analysis with school | 0% | 2/12/23 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 | | | | | | |
| P5 Integrating the software and datasets on the DAFNI platform for scale-up and | | 3/1/23 | 6/29/23 | | | |
| ssemination for all stakeholders' tasks | | 3/1/23 | 0/23/23 | | | |
| 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 Success Criteria: Pupil's science capital increase evident from presentations | 0% | 5/25/23 | 6/29/23 | | | |
| Deliverable: Evaluations of where science capitol increased program of continued processes | | | | | | |
| and results upload to DAFNI | | | | | | |

MAKE SENSE OF SENSOR THROUGH CITIZEN SCIENCE

| takeholders : Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate Fol | Jispiay week: | 0 | | 22 | Aug 1, 22 | Aug 8, 22 | |
|--|---------------|--------------------|--------------------|---------------------|---------------------------------|-----------------------------------|---------|
| Milestones | PROGRESS | START | END | 27 28 29 3 W T F | 0 31 1 2 3 4 5 5 5 M T W T F | 6 7 8 9 10 11 12 S S M T W T F | 13 14 1 |
| /P1 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 | | | | | | | |
| /P2 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 Success Criteria: Analysis done on all AQ datasets | 0% | 11/20/22 | 12/30/22 | | | | |
| Deliverable: Reports visualisable on Dashboard of all analysis ready for AQ network and citizen science | | | | | | | |
| /P3 Implementing the findings from WP1 and WP2 to the new AQ network for the ilot school tasks | | 12/3/22 | 4/2/23 | | | | |
| | 00/ | 12/2/22 | 1/7/23 | | | | |
| Set up new pilot AQ network and data collection Analyse and optimise the pilot network | 0% 0% | 12/3/22 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 | | | | | | | |
| /P4 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 Success Criteria: School Programme is completed | 0% | 4/23/23 | 5/28/23 | | | | |
| Deliverable: Presentations, Analysis and AQ measurements completed | | | | | | | |
| School choosen further processes with presentations i.e. parents evening or contacting experts | | | | | | | |
| /P5 Integrating the software and datasets on the DAFNI platform for scale-up and | | 2/4/22 | c /22 /22 | | | | |
| issemination 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 Report and publication writing | 0% 0% | 5/15/23 5/25/23 | 5/25/23 6/29/23 | | | | |
| Success Criteria: Pupil's science capital increase evident from presentations | 070 | 3/23/23 | 0/23/23 | | | | |
| Deliverable: Evaluations of where science capitol increased program of continued processes | | | | | | | |

MAKE SENSE OF SENSOR THROUGH CITIZEN SCIENCE

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

and results upload to DAFNI

Deliverable: Evaluations of where science capitol increased program of continued processes

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 ıg 15, 22 Aug 22, 22 Aug 29, 22 Milestones START END WP1 Preliminary research and Extend existing Literature Review 6/1/22 8/30/22 6/1/22 7/11/22 Understanding optimisation of AQ Sensor network accuracies 0% Understanding outdoor AQ impact on urban ventilation systems 0% 7/11/22 8/20/22 8/30/22 0% 8/20/22 Preparing the Likert pre-participants survey based on the citizen science approach Success Criteria: Literature review extension and surveys completed **Deliverable:** Literature Review extended from Existing Literature review desiminated to project team and used to design next steps WP2 Software validation with existing datasets 9/1/22 12/30/22 9/1/22 10/11/22 AirNode's AQ validation software to existing AQ datasets breathe London, openAQ 0% Applying WP1 findings to AQ dataset analysis 0% 10/11/22 11/20/22 0% 11/20/22 12/30/22 Analysis of the output of AQ networks to link with the citizen science dashboard Success Criteria: Analysis done on all AQ datasets Deliverable: Reports visualisable on Dashboard of all analysis ready for AQ network and citizen science WP3 Implementing the findings from WP1 and WP2 to the new AQ network for the 12/3/22 4/2/23 pilot school tasks 1/7/23 Set up new pilot AQ network and data collection 0% 12/3/22 2/11/23 Analyse and optimise the pilot network 0% 1/7/23 Analyse irregular patterns in the network and impact the indoor ventilation system. 0% 2/11/23 4/2/23 Success Criteria: AQ network tested and implemented, AirNode software identifying irregular Patterns Deliverable: AQ network displaying AQ measurements near schools and report of irregular patterns visualised on the dashboard and impact on ventilation systems WP4 Citizen Science activities and dashboard development for Schools tasks 1/3/23 5/28/23 Dashboard development based on the WP2-3 1/3/23 2/12/23 0% 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 0% 4/23/23 5/28/23 **Student Presentations and school dissemination** Success Criteria: School Programme is completed Deliverable: Presentations, Analysis and AQ measurements completed School choosen further processes with presentations i.e. parents evening or contacting experts WP5 Integrating the software and datasets on the DAFNI platform for scale-up and 3/1/23 6/29/23 dissemination for all stakeholders' tasks Apply AirNode validation on DAFNI platform to real-time AQ network 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 5/25/23 Dissemination with all stakeholders 0% 5/15/23 Report and publication writing 0% 6/29/23 5/25/23

Deliverable: Evaluations of where science capitol increased program of continued processes

and results upload to DAFNI

MAKE SENSE OF SENSOR THROUGH CITIZEN SCIENCE

| MAKE SENSE OF SENSOR THROUGH CITIZEN SCIENCE | roject End | 29-Jun-2023 | 3 | | | |
|---|--------------|--------------------|--------------------|------------------------|---------------------------------------|----------------------------------|
| Managing/Participant: Hua Zhong Senior Lecturer Nottingham Pr | oject Start: | Wed, 6/1 | 1/2022 | | | |
| takeholders : Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate Fc Dis | splay Week: | 0 | | Sep 5, 22 | Sep 12, 22 | Sep 19, 22 |
| Milestones | PROGRESS | START | END | 5 6 7 8 9 M T W T F | 10 11 12 13 14 15 16 S S M T W T F | 17 18 19 20 21 22 S S M T W T |
| 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 | | | | | | |
| NP2 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 | | | | | | |
| VP3 Implementing the findings from WP1 and WP2 to the new AQ network for the | | 12/3/22 | 4/2/23 | | | |
| ilot 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 | | 1/2/22 | F /20 /22 | | | |
| 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 Student Presentations and school dissemination | 0% 0% | 2/22/23 4/23/23 | 4/23/23 5/28/23 | | | |
| Success Criteria: School Programme is completed | 070 | 4/23/23 | 3/20/23 | | | |
| Deliverable: Presentations, Analysis and AQ measurements completed | | | | | | |
| School choosen further processes with presentations i.e. parents evening or contacting experts | | | | | | |
| VP5 Integrating the software and datasets on the DAFNI platform for scale-up and | | 0 1 1 1 2 2 | 0/00/22 | | | |
| lissemination 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 Poliverable: Evaluations of whose science capital increased program of continued processes | | | | | | |

MAKE SENSE OF SENSOR THROUGH CITIZEN SCIENCE

and results upload to DAFNI

| Managing/Participant: Hua Zhong Senior Lecturer Nottingham | Project Start: | Wed, 6/ | 1/2022 | | | |
|---|----------------|----------|----------|----------------------------------|-------------|-------------------|
| takeholders : Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate Fc D | isplay Week: | 0 | | Sep 26, 22 | Oct 3, 22 | Oct 10, 22 |
| Milestones | PROGRESS | START | END | 25 26 27 28 29 30 S M T W T F | 1 2 3 4 5 6 | 7 8 9 10 11 12 13 |
| VP1 Preliminary research and Extend existing Literature Review | PROGRESS | | 8/30/22 | | | |
| | | 6/1/22 | | | | |
| 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 | | 21.122 | / / | | | |
| P2 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 | | | | | | |
| P3 Implementing the findings from WP1 and WP2 to the new AQ network for the | | 12/3/22 | 4/2/23 | | | |
| lot school tasks | | 12/5/22 | 7/2/25 | | | |
| 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 | | | | | | |
| P4 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 | | | | | | |
| /P5 Integrating the software and datasets on the DAFNI platform for scale-up and | | 3/1/23 | 6/29/23 | | | |
| ssemination for all stakeholders' tasks | | 3, 1, 23 | 0/23/23 | | | |
| 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 | | | | | | |

MAKE SENSE OF SENSOR THROUGH CITIZEN SCIENCE

and results upload to DAFNI

| Managing/Participant: Hua Zhong Senior Lecturer Nottingham P | roject Start: | Wed, 6/ | 1/2022 | | | | | |
|---|---------------|------------------|-------------------|-------|-------------|----------------|------------|--------------|
| Stakeholders : Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate Fc Di | splay Week: | 0 | | | Oct 17, 22 | Oct 24 | , 22 | Oct 31, 22 |
| | | | | 15 16 | 17 18 19 20 | 21 22 23 24 25 | 26 27 28 2 | 29 30 31 1 2 |
| Milestones | PROGRESS | START | END | 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 | | | | | | | | |
| /P2 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 | | | | | | | | |
| VP3 Implementing the findings from WP1 and WP2 to the new AQ network for the | | 12/3/22 | 4/2/23 | | | | | |
| ilot school tasks | | 12,0,22 | ., 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 | | | | | | | | |
| /P4 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 | | | | | | | | |
| /P5 Integrating the software and datasets on the DAFNI platform for scale-up and | | | | | | | | |
| issemination for all stakeholders' tasks | | 3/1/23 | 6/29/23 | | | | | |
| | 22/ | 2/4/22 | 4/5/22 | | | | | |
| 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 The post-evaluation survey with all stakeholders | 0% 0% | 4/5/23 5/5/23 | 5/5/23 5/15/23 | | | | | |
| Dissemination with all stakeholders | 0% | 5/15/23 | 5/15/23 | | | | | |
| 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 unload to DAFNI | | | | | | | | |

| MAKE SENSE OF SENSOR THROUGH CITIZEN SCIENCE Managing/Participant: Hua Zhong Senior Lecturer Nottingham P | • | 29-Jun-2023 Wed, 6/3 | | | | |
|---|----------|-------------------------|--------------------|----------------------------------|------------------------------------|------------------------|
| Stakeholders : Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate Fc Di | | 0 | | Nov 7, 22 | Nov 14, 22 | Nov 21, 22 |
| Milestones | PROGRESS | START | END f | 5 6 7 8 9 10 11 S S M T W T E | 12 13 14 15 16 17 18 S S M T W T F | 19 20 21 22 S S M T |
| 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 | | 12/3/22 | 4/2/23 | | | |
| pilot school tasks | | 12,3,22 | 1, 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 | | 4/2/22 | 5 /20 /22 | | | |
| 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 Student Presentations and school dissemination | 0% 0% | 2/22/23 4/23/23 | 4/23/23 5/28/23 | | | |
| Success Criteria: School Programme is completed | 070 | 4/23/23 | 3/20/23 | | | |
| 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 | | 0/1/02 | 6 /0.2 /2.2 | | | |
| 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 | | | | | | |

MAKE SENSE OF SENSOR THROUGH CITIZEN SCIENCE

and results upload to DAFNI

| Managing/Participant: Hua Zhong Senior Lecturer Nottingham | Project Start: | Wed, 6/ | 1/2022 | | | | |
|--|----------------|--------------------|--------------------|----------|---------------|------------------------------------|-------------|
| Stakeholders: Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate Fc [| Display Week: | 0 | | | Nov 28, 22 | Dec 5, 22 | Dec 12, 1 |
| Milestones | PROGRESS | START | END | 24 25 26 | 27 28 29 30 1 | 2 3 4 5 6 7 8 9 F S S M T W T P | 10 11 12 13 |
| WP1 Preliminary research and Extend existing Literature Review | FROGRESS | 6/1/22 | 8/30/22 | | | | |
| | 00/ | | | | | | |
| 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 | | 0/4/22 | 12/20/22 | | | | |
| 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 | | 12/3/22 | 4/2/23 | | | | |
| 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 | | 1/2/22 | F /20 /22 | | | | |
| 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 Student Presentations and school dissemination | 0% 0% | 2/22/23 4/23/23 | 4/23/23 5/28/23 | | | | |
| Success Criteria: School Programme is completed | 070 | 4/23/23 | 3/20/23 | | | | |
| 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 | | | | | | | |

Deliverable: Evaluations of where science capitol increased program of continued processes

and results upload to DAFNI

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 22 Stakeholders: Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate Fo Display Week: 0 Dec 19, 22 Dec 26, 22 Jan Milestones START END WP1 Preliminary research and Extend existing Literature Review 6/1/22 8/30/22 6/1/22 7/11/22 Understanding optimisation of AQ Sensor network accuracies 0% Understanding outdoor AQ impact on urban ventilation systems 0% 7/11/22 8/20/22 0% 8/20/22 8/30/22 Preparing the Likert pre-participants survey based on the citizen science approach 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 9/1/22 10/11/22 0% Applying WP1 findings to AQ dataset analysis 0% 10/11/22 11/20/22 0% 11/20/22 12/30/22 Analysis of the output of AQ networks to link with the citizen science dashboard Success Criteria: Analysis done on all AQ datasets Deliverable: Reports visualisable on Dashboard of all analysis ready for AQ network and citizen science WP3 Implementing the findings from WP1 and WP2 to the new AQ network for the 4/2/23 12/3/22 pilot school tasks 1/7/23 Set up new pilot AQ network and data collection 0% 12/3/22 2/11/23 Analyse and optimise the pilot network 0% 1/7/23 Analyse irregular patterns in the network and impact the indoor ventilation system. 0% 2/11/23 4/2/23 Success Criteria: AQ network tested and implemented, AirNode software identifying irregular Patterns Deliverable: AQ network displaying AQ measurements near schools and report of irregular patterns visualised on the dashboard and impact on ventilation systems WP4 Citizen Science activities and dashboard development for Schools tasks 1/3/23 5/28/23 Dashboard development based on the WP2-3 1/3/23 2/12/23 0% 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 0% 4/23/23 5/28/23 **Student Presentations and school dissemination** Success Criteria: School Programme is completed Deliverable: Presentations, Analysis and AQ measurements completed School choosen further processes with presentations i.e. parents evening or contacting experts WP5 Integrating the software and datasets on the DAFNI platform for scale-up and 3/1/23 6/29/23 dissemination for all stakeholders' tasks Apply AirNode validation on DAFNI platform to real-time AQ network 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 5/25/23 Dissemination with all stakeholders 0% 5/15/23 Report and publication writing 0% 6/29/23 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

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 2, 23 Jan 9, 23 Jan 16, 23 Milestones START END WP1 Preliminary research and Extend existing Literature Review 6/1/22 8/30/22 6/1/22 7/11/22 Understanding optimisation of AQ Sensor network accuracies 0% Understanding outdoor AQ impact on urban ventilation systems 0% 7/11/22 8/20/22 8/30/22 0% 8/20/22 Preparing the Likert pre-participants survey based on the citizen science approach Success Criteria: Literature review extension and surveys completed **Deliverable:** Literature Review extended from Existing Literature review desiminated to project team and used to design next steps WP2 Software validation with existing datasets 9/1/22 12/30/22 9/1/22 10/11/22 AirNode's AQ validation software to existing AQ datasets breathe London, openAQ 0% Applying WP1 findings to AQ dataset analysis 0% 10/11/22 11/20/22 0% 11/20/22 12/30/22 Analysis of the output of AQ networks to link with the citizen science dashboard Success Criteria: Analysis done on all AQ datasets Deliverable: Reports visualisable on Dashboard of all analysis ready for AQ network and citizen science WP3 Implementing the findings from WP1 and WP2 to the new AQ network for the 4/2/23 12/3/22 pilot school tasks 1/7/23 Set up new pilot AQ network and data collection 0% 12/3/22 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 5/28/23 WP4 Citizen Science activities and dashboard development for Schools tasks 1/3/23 Dashboard development based on the WP2-3 1/3/23 2/12/23 0% 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 0% 4/23/23 5/28/23 **Student Presentations and school dissemination** Success Criteria: School Programme is completed Deliverable: Presentations, Analysis and AQ measurements completed School choosen further processes with presentations i.e. parents evening or contacting experts WP5 Integrating the software and datasets on the DAFNI platform for scale-up and 3/1/23 6/29/23 dissemination for all stakeholders' tasks Apply AirNode validation on DAFNI platform to real-time AQ network 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 5/25/23 Dissemination with all stakeholders 0% 5/15/23 Report and publication writing 0% 6/29/23 5/25/23 Success Criteria: Pupil's science capital increase evident from presentations

MAKE SENSE OF SENSOR THROUGH CITIZEN SCIENCE

Project End

29-Jun-2023

Jan 23, 2023

Jan 30, 2023

Feb 6, 23

Managing/Participant: Hua Zhong Senior Lecturer Nottingham Stakeholders: Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate Fo Display Week:

Re Start:

Sun, 1/22/2023 0

| Stakeholders. Gordon Rates Allivode, DAFINI, Northampton Town Council's Climate Fob | ispidy week. | U | | 16 | Jan 2 | .5, 2025 | 27 20 | 20 20 | aii 30, 2 | 023 | 2 | , , | , 23 |
|---|--------------|---------|--------------------|-----|-------|--------------|-------|-------|-----------|-----|-----|-----|------|
| Milestones | PROGRESS | START | END | M S | 5 M 1 | 25 26 W T | 27 28 | S M | 7 V | т | F S | 5 M | T W |
| 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 | | 12/3/22 | 4/2/23 | | | | | | | | | | |
| pilot school tasks | | 12/3/22 | 1, 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 | | 3/1/23 | 6/29/23 | | | | | | | | | | |
| 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 Report and publication writing | 0% 0% | 5/15/23 | 5/25/23 6/20/23 | | | | | | | | | | |
| Success Criteria: Pupil's science capital increase evident from presentations | U70 | 5/25/23 | 6/29/23 | | | | | | | | | | |
| Deliverable: Evaluations of where science capital increased program of continued processes | | | | | | | | | | | | | |
| and results upload to DAFNI | | | | | | | | | | | | | |

AIR POLLUTION AWARENESS FOR EQUALITY DIVERSITY AND INCLUSIVE (EDI): Vacation MAKE SENSE OF SENSOR THROUGH CITIZEN SCIENCE 29-Jun-2023 **Project End** Managing/Participant: Hua Zhong Senior Lecturer Nottingham Sun, 1/22/2023 Re Start: Stakeholders: Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate Fo Display Week: 0 Feb 13, 23 Feb 20, 23 Feb 27, 23 Milestones **PROGRESS** START 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% 0% Preparing the Likert pre-participants survey based on the citizen science approach 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 0% AirNode's AQ validation software to existing AQ datasets breathe London, openAQ Applying WP1 findings to AQ dataset analysis 0% 0% Analysis of the output of AQ networks to link with the citizen science dashboard Success Criteria: Analysis done on all AQ datasets Deliverable: Reports visualisable on Dashboard of all analysis ready for AQ network and citizen science WP3 Implementing the findings from WP1 and WP2 to the new AQ network for the 12/3/22 4/2/23 pilot school tasks Set up new pilot AQ network and data collection 0% 12/3/22 1/7/23 2/11/23 Analyse and optimise the pilot network 0% 1/7/23 Analyse irregular patterns in the network and impact the indoor ventilation system. 0% 2/11/23 4/2/23 Success Criteria: AQ network tested and implemented, AirNode software identifying irregular Patterns Deliverable: AQ network displaying AQ measurements near schools and report of irregular patterns visualised on the dashboard and impact on ventilation systems 5/28/23 WP4 Citizen Science activities and dashboard development for Schools tasks 1/3/23 2/12/23 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 2/22/23 Lessons and Tests for measuring and analysis with school 0% 2/22/23 4/23/23 0% 4/23/23 5/28/23 **Student Presentations and school dissemination** Success Criteria: School Programme is completed Deliverable: Presentations, Analysis and AQ measurements completed School choosen further processes with presentations i.e. parents evening or contacting experts WP5 Integrating the software and datasets on the DAFNI platform for scale-up and 3/1/23 6/29/23 dissemination for all stakeholders' tasks Apply AirNode validation on DAFNI platform to real-time AQ network 0% 3/1/23 4/5/23 4/5/23 5/5/23 Report insights from optimising Low-cost AQ networks 0% The post-evaluation survey with all stakeholders 0% 5/5/23 5/15/23 0% 5/25/23 Dissemination with all stakeholders 5/15/23 Report and publication writing 0% 6/29/23 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

MAKE SENSE OF SENSOR THROUGH CITIZEN SCIENCE

and results upload to DAFNI

| Stakeholders: Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate Follows | Display Week: | Sun, 1/2 0 | | | | Mai | 6, 23 | | M | ar 13, 23 | | Mar |
|---|---------------|---------------|---------|-----|---|-----|-------|-------|-------|-----------|----------|----------|
| | · | | | 2 3 | 4 | 5 6 | 7 8 9 | 10 11 | 12 13 | 14 15 | 16 17 18 | 19 20 21 |
| Milestones | PROGRESS | START | END | T F | S | S M | T W T | F S | S M | T W | T F S | S M 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 Success Criteria: Analysis done on all AQ datasets | 0% | | | | | | | | | | | |
| 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 | | 2/1/22 | 6/29/23 | | | | | | | | | |
| dissemination for all stakeholders' tasks | | 3/1/23 | 0/23/23 | | | | | | | | | |
| 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 unlead to DAENI | | | | | | | | | | | | |

MAKE SENSE OF SENSOR THROUGH CITIZEN SCIENCE

and results upload to DAFNI

29-Jun-2023 **Project End**

Managing/Participant: Hua Zhong Senior Lecturer Nottingham Sun, 1/22/2023 Re Start: Stakeholders: Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate Fo Display Week:), 23 Mar 27, 23 Apr 3, 23 0 PROGRESS START WP1 Preliminary research and Extend existing Literature Review

| 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 | | 12/2/22 | 4/2/22 | |
| 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 | | 2/4/22 | C /20 /22 | |
| 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 | | | | |

Deliverable: Evaluations of where science capitol increased program of continued processes

and results upload to DAFNI

MAKE SENSE OF SENSOR THROUGH CITIZEN SCIENCE

Project End

29-Jun-2023

Managing/Participant: Hua Zhong Senior Lecturer Nottingham Sun, 1/22/2023 Re Start: Stakeholders: Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate Fo Display Week: 0 r 10, 23 Apr 17, 23 Apr 24, 23 Milestones **PROGRESS** START WP1 Preliminary research and Extend existing Literature Review 0% **Understanding optimisation of AQ Sensor network accuracies** Understanding outdoor AQ impact on urban ventilation systems 0% 0% Preparing the Likert pre-participants survey based on the citizen science approach 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 0% AirNode's AQ validation software to existing AQ datasets breathe London, openAQ Applying WP1 findings to AQ dataset analysis 0% 0% Analysis of the output of AQ networks to link with the citizen science dashboard Success Criteria: Analysis done on all AQ datasets Deliverable: Reports visualisable on Dashboard of all analysis ready for AQ network and citizen science WP3 Implementing the findings from WP1 and WP2 to the new AQ network for the 12/3/22 4/2/23 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 2/11/23 0% 1/7/23 Analyse irregular patterns in the network and impact the indoor ventilation system. 0% 2/11/23 4/2/23 Success Criteria: AQ network tested and implemented, AirNode software identifying irregular Patterns Deliverable: AQ network displaying AQ measurements near schools and report of irregular patterns visualised on the dashboard and impact on ventilation systems 5/28/23 WP4 Citizen Science activities and dashboard development for Schools tasks 1/3/23 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 3/1/23 6/29/23 dissemination for all stakeholders' tasks Apply AirNode validation on DAFNI platform to real-time AQ network 0% 3/1/23 4/5/23 4/5/23 5/5/23 Report insights from optimising Low-cost AQ networks 0% The post-evaluation survey with all stakeholders 0% 5/5/23 5/15/23 0% 5/25/23 Dissemination with all stakeholders 5/15/23 Report and publication writing 0% 6/29/23 5/25/23 Success Criteria: Pupil's science capital increase evident from presentations

MAKE SENSE OF SENSOR THROUGH CITIZEN SCIENCE

and results upload to DAFNI

| lanaging/Participant: Hua Zhong Senior Lecturer Nottingham | Re Start: | Sun, 1/2 | 2/2023 | | | | | |
|---|------------|-------------------|--------------------|-----------|--|----------------------------------|--|--|
| Stakeholders : Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate Fo Dis | play 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 S S M T W T F S | 14 15 16 17 18 19 S M T W T F | | |
| /P1 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 | | | | | | | | |
| /P2 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 | | | | | | | | |
| /P3 Implementing the findings from WP1 and WP2 to the new AQ network for the | | 12/3/22 | 4/2/23 | | | | | |
| ilot 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 | | | | | | | | |
| | | 1 /2 /22 | E /20 /22 | | | | | |
| /P4 Citizen Science activities and dashboard development for Schools tasks | 00/ | 1/3/23 | 5/28/23 | | | | | |
| Dashboard development based on the WP2-3 The Pre participants evaluation survey designed by EDI group/citizen science experts | 0% | 1/3/23 2/12/23 | 2/12/23 | | | | | |
| Lessons and Tests for measuring and analysis with school | 0% | 2/12/23 | 2/22/23 4/23/23 | | | | | |
| Student Presentations and school dissemination | 0% | 4/23/23 | 5/28/23 | | | | | |
| Success Criteria: School Programme is completed | | , ==, == | 5, =5, =5 | | | | | |
| Deliverable: Presentations, Analysis and AQ measurements completed | | | | | | | | |
| School choosen further processes with presentations i.e. parents evening or contacting experts | | | | | | | | |
| /P5 Integrating the software and datasets on the DAFNI platform for scale-up and | | 2/1/22 | 6/20/22 | | | | | |
| issemination 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 | | | | | | | | |
| | | | | | | | | |

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

| Managing/Participant: Hua Zhong Senior Lecturer Nottingham | Re Start: | Sun, 1/2 | 2/2023 | | | |
|---|------------|-------------------|--------------------|--|-----------------------------------|--------------------|
| Stakeholders: Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate Fo Dis | play Week: | 0 | | May 22, 23 | May 29, 23 | Jun 5, 23 |
| Milestones | PROGRESS | START | END | 21 22 23 24 25 26 27 28 5 M T W T F 5 5 | 29 30 31 1 2 3 4 M T W T F S S | 5 6 7 8 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 | | 12/3/22 | 4/2/23 | | | |
| 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% 0% | 1/7/23 2/11/23 | 2/11/23 4/2/23 | | | |
| Analyse irregular patterns in the network and impact the indoor ventilation system. Success Criteria: AQ network tested and implemented, AirNode software identifying irregular Patterns | 076 | 2/11/23 | 4/2/23 | | | |
| 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 | | 3/1/23 | 6/29/23 | | | |
| 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 Dissemination with all stakeholders | 0% 0% | 5/5/23 5/15/23 | 5/15/23 5/25/23 | | | |
| Report and publication writing | 0% | 5/15/23 | 6/29/23 | | | |
| Success Criteria: Pupil's science capital increase evident from presentations | 3,0 | 3/23/23 | 0,23,23 | | | |
| Deliverable: Evaluations of where science capitol increased program of continued processes | | | | | | |
| and results upload to DAFNI | | | | | | |

MAKE SENSE OF SENSOR THROUGH CITIZEN SCIENCE

| Managing/Participant: Hua Zhong Senior Lecturer Nottingham | Re Start: | Sun, 1/2 | 2/2023 | | | |
|---|-------------|-------------------|--------------------|------------------------------------|---------------------------------------|---------------------------|
| Stakeholders : Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate Fo Di | splay Week: | 0 | | Jun 12, 23 | Jun 19, 23 | Jun 26, 23 |
| Milestones | PROGRESS | START | END | 10 11 12 13 14 15 16 S S M T W T F | 17 18 19 20 21 22 23 S S M T W T F | 24 25 26 27 28 S S M T |
| VP1 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 | | | | | | |
| VP2 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 | | 12/3/22 | 4/2/23 | | | |
| pilot school tasks | | 10/0/00 | 4 /7 /22 | | | |
| Set up new pilot AQ network and data collection Analyse and optimise the pilot network | 0% 0% | 12/3/22 1/7/23 | 1/7/23 2/11/23 | | | |
| Analyse tire gular 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 lissemination 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 The post-evaluation survey with all stakeholders | 0% | 4/5/23 | 5/5/23 5/15/22 | | | |
| Dissemination with all stakeholders | 0% 0% | 5/5/23 5/15/23 | 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 | | =, ==, == | -,, 20 | | | |
| Deliverable: Evaluations of where science capitol increased program of continued processes | | | | | | |
| and results upload to DAFNI | | | | | | |

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

| Widnight articipant. True Zhong School Eccturer Nottingham | ite Start. | Juli, 1/ 2/ | 2/2023 | | | | | | | | | |
|---|------------|-------------|---------|---------|------------|------------|-------|------------|------------|-----------|-------------------|---------|
| Stakeholders : Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate Fo Dis | play Week: | 0 | | | | Jul 3, 23 | | | Jul 10, 23 | | Jul | 17, 23 |
| Milestones | PROGRESS | START | END | 30 F | 1 2 5 5 | 3 4 M T | S 6 7 | 8 9 S S | 10 11 13 M | 13 14 T F | 15 16 17 5 S M | 18 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 Success Criteria: Analysis done on all AQ datasets Deliverable: Reports visualisable on Dashboard of all analysis ready for AQ network and citizen science | 0% | | | | | | | | | | | |
| | | | | | | | | | | | | |
| 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 shapes further processes with presentations is a parents evening or contacting experts. | | | | | | | | | | | | |
| School choosen further processes with presentations i.e. parents evening or contacting experts | | | | | | | | | | | | |
| WP5 Integrating the software and datasets on the DAFNI platform for scale-up and | | 3/1/23 | 6/29/23 | | | | | | | | | |
| dissemination for all stakeholders' tasks | | | | | | | | | | | | |
| Apply AirNode validation on DAFNI platform to real-time AQ network | 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 | | | | | | | | | | | | |

MAKE SENSE OF SENSOR THROUGH CITIZEN SCIENCE

29-Jun-2023 **Project End**

Managing/Participant: Hua Zhong Senior Lecturer Nottingham Sun, 1/22/2023 Re Start: Stakeholders: Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate Fo Display Week: 0

| Challah aldana Candan Batas Alaha da BAENI Nanthannatan Tanna Canadilla Climata Es Die | | Juli, 1/2. | _, | 1124.22 | 1.124 22 | |
|---|-------------|-------------------|--------------------|-----------------|---------------|------------|
| Stakeholders: Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate Fc Dis | spiay Week: | 0 | | Jul 24, 23 | Jul 31, 23 | Aug |
| Milestones | PROGRESS | START | END | T F S S W 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 | | 12/3/22 | 4/2/23 | | | |
| pilot school tasks | | 12,3,22 | 1, 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 | | | - 1 1 | | | |
| 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 Success Criteria: School Programme is completed | 0% | 4/23/23 | 5/28/23 | | | |
| 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 | | | | | | |
| lissemination 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 Dissemination with all stakeholders | 0% 0% | 5/5/23 5/15/23 | 5/15/23 5/25/23 | | | |
| Report and publication writing | 0% | 5/15/23 | 6/29/23 | | | |
| Success Criteria: Pupil's science capital increase evident from presentations | 0,0 | 3,23,23 | 0,23,23 | | | |
| Deliverable: Evaluations of where science capitol increased program of continued processes | | | | | | |
| and results upload to DAFNI | | | | | | |

MAKE SENSE OF SENSOR THROUGH CITIZEN SCIENCE

Project End 29-Jun-2023

Managing/Participant: Hua Zhong Senior Lecturer Nottingham

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

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|--|---------------|-------------------|-------------------|-----------|------------------------------------|-------------------|
| Stakeholders: Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate Fo | Display Week: | 0 | | 3 | Aug 14, 23 | Aug 21, 23 |
| Milestones | PROGRESS | START | END | 9 10 11 W | 24 25 14 15 16 17 18 5 5 M T W T F | 5 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 Success Criteria: Analysis done on all AQ datasets | 0% | | | | | |
| 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 Analyse irregular patterns in the network and impact the indoor ventilation system. | 0% 0% | 1/7/23 2/11/23 | 2/11/23 4/2/23 | | | |
| Success Criteria: AQ network tested and implemented, AirNode software identifying irregular Patterns | 070 | 2/11/23 | 4/2/23 | | | |
| 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% | 2/1/22 | 1/5/22 | | | |
| Report insights from optimising Low-cost AQ networks | 0% | 3/1/23 4/5/23 | 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 | | | | | | |
| and results aproducto DALINI | | | | | | |

MAKE SENSE OF SENSOR THROUGH CITIZEN SCIENCE

29-Jun-2023 **Project End**

Managing/Participant: Hua Zhong Senior Lecturer Nottingham Stakeholders: Gordon Rates Air Node DAENI, Northampton Town Council's Climate Ed Display Week

Re Start:

Sun, 1/22/2023

| Wandship, Farticipant. Had Enong Semon Lecturer Hottingham | ne start. | Juli, 1/ 2 | 212023 | | | | | |
|--|---------------|-------------------|-------------------|-----------------|----------------------------|--------------------------------------|--|--|
| Stakeholders : Gordon Rates AirNode, DAFNI, Northampton Town Council's Climate Fo | Display Week: | 0 | | g 28, 23 | Sep 4, 23 | Sep 11, 23 | | |
| Milestones | PROGRESS | START | END | ZS 30 31 1 2 | 5 4 5 6 7 8 5 M T W T F | 9 10 11 12 13 14 15 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 | 0,0 | | | | | | | |
| 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 Success Criteria: Analysis done on all AQ datasets | 0% | | | | | | | |
| Deliverable: Reports visualisable on Dashboard of all analysis ready for AQ network and citizen science | | | | | | | | |
| VP3 Implementing the findings from WP1 and WP2 to the new AQ network for the | | | | | | | | |
| oilot school tasks | | 12/3/22 | 4/2/23 | | | | | |
| | 00/ | 12/2/22 | 4/7/22 | | | | | |
| Set up new pilot AQ network and data collection Analyse and optimise the pilot network | 0% 0% | 12/3/22 1/7/23 | 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 | | 2, 11, 23 | 1, 2, 23 | | | | | |
| Deliverable: AQ network displaying AQ measurements near schools and report of irregular patterns | | | | | | | | |
| visualised on the dashboard and impact on ventilation systems | | | | | | | | |
| VP4 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 | | | | | | | | |
| VP5 Integrating the software and datasets on the DAFNI platform for scale-up and | | 2/1/22 | 6/20/22 | | | | | |
| issemination 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 | | | | | | | | |
| and results upload to DAFINI | | | | | | | | |