Bringing together research, industry & policy to address air quality challenges

In partnership with:

Dr Sarah Moller
@STFC_AQN
@DrSazzle
WHY AIR QUALITY?

AIR POLLUTION IMPACTS:

ECOSYSTEMS  ECONOMY  CLIMATE  HEALTH

SAQN - STFC AIR QUALITY NETWORK  UNIVERSITY OF YORK
AIR POLLUTION IS THE WORLD’S WORST ENVIRONMENTAL HEALTH RISK

WHY AIR QUALITY?

UNEP Year Book 2014: Emerging Issues Update

“AIR QUALITY IS A BIG POLITICAL PRIORITY AGAIN...WE WILL NEED TO BE ABLE TO WORK IN AN INCREASINGLY INTERDISCIPLINARY WAY, OPENING UP OPPORTUNITIES FOR A WIDER RANGE OF EXPERTS TO CONTRIBUTE.”

Defra deputy director & air quality policy lead
WHAT IS THE SAQN?

• STFC 21st Century Challenge Network+
• Addressing user needs.
  – Government
  – Industry
  – Other research communities (not STFC)
• Creation of multidisciplinary communities
NETWORK+ AIMS

• Build interdisciplinary communities at interface between STFC science and 21st Century challenges.
• Facilitate knowledge sharing.
• Identify user needs that STFC capabilities have a role in addressing.
• Create multidisciplinary project teams for future proposals.
• Fund demonstrations of STFC capability application to de-risk future applications for larger funding.
SAQN AIM

BRINGING TOGETHER RESEARCH, INDUSTRY AND POLICY TO ADDRESS AIR QUALITY CHALLENGES . . .
SAQN AIM

To create a multidisciplinary community to exploit untapped potential of STFC capabilities in addressing air quality challenges

ENGAGEMENT WITH INDUSTRY & GOV.

INITIATING LASTING COLLABORATIONS

STFC CAPABILITY AWARENESS
ACHIEVING THE AIMS

ENGAGEMENT WITH INDUSTRY & GOV.

• Steering Committee
• Matchmaking
• Industry focused meeting?

INITIATING LASTING COLLABORATIONS

• Travel funds
• Annual meetings
• Collaboration building workshops
• Scoping & proof of concept funding

STFC CAPABILITY AWARENESS

• Annual meetings
• Travel funds
• Newsletters
• Website
<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
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</thead>
<tbody>
<tr>
<td>John Newington (Chair)</td>
<td>Department for Environment, Food and Rural Affairs</td>
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<tr>
<td>Dr Jenny Baverstock</td>
<td>University of Southampton</td>
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<tr>
<td>Sukky Choongh-Campbell</td>
<td>Society of Motor Manufacturers</td>
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<tr>
<td>Prof Bill David</td>
<td>STFC, University of Oxford</td>
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<tr>
<td>Prof Rod Jones</td>
<td>University of Cambridge</td>
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<tr>
<td>Prof Rob Kinnersley</td>
<td>Environment Agency</td>
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<tr>
<td>Prof Alastair Lewis</td>
<td>National Centre for Atmospheric Science, University of York</td>
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MEETING AIMS

• Inform people about the SAQN and how it will operate.
• Introduce STFC science and capabilities.
• Initiate conversations between communities.
• Facilitate discussions around opportunities for collaboration.
• Get input from network members into future focus of network activities.
MEETING AIMS

SAQN funding is focused on using STFC capabilities to address air quality challenges.

BUT the SAQN would be very happy to initiate and facilitate conversations & collaborations that aren’t clearly in the STFC remit, and we want to hear about them...we just can’t fund them.
MEETING STRUCTURE

DAY 1:

AIR QUALITY
CHALLENGES

STFC
SCIENCE

EXISTING
OVERLAPS

NETWORKING
TIME

SAQN
STFC
AIR QUALITY
NETWORK

Science and Technology Facilities Council

University of York
MEETING STRUCTURE

DAY 2:

SAQN
DEVELOPING
YOUR
ACTIVITIES
IDEAS
OPPORTUNITY
EXPLORATION
INPUT

SAQN
STFC
AIR QUALITY
NETWORK

WE NEED
YOUR
INPUT

Science and Technology Facilities Council
YOU ARE THE NETWORK...

SAQN ACTIVITIES SHOULD:

INCLUDE YOU
ENGAGE YOU
BE INFLUENCED BY YOU
ENABLE YOU

SAQN AIR QUALITY NETWORK
THANK YOU for LISTENING

Dr Sarah Moller
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