

Air Quality Sensor Roadmap



09_Start experimenting

#Test #Verify #Validate

Assign a colour to every participant



Supply of post-its, copy or add new ones (N) whenever required



Aim:

One of the most important guidelines of LIFE VAQUUMS is developing your sensor network through experimentation. We will use the assumptions from our previous step to guide us to useful experiments to kick start an air quality sensor network.

To validate an assumption you will define potential metrics and whenever possible a level qualifying the assumption as validated (e.g. higher than $10\mu\text{g}/\text{m}^3$, or 80% of respondents ...).

Secondly describe the simplest experiment possible to obtain a value for the metric and validate the assumption.

Method:

Apply hybrid brainstorm by assigning clusters of assumptions to individual participants and asking them to first think of potential metrics and then experiments to measure those. Follow-up this up by a group discussion adding metrics, experimental details etc.

Tips:

- Prior to this step, try to cluster assumptions based on common aspects like user interface, data architecture, quality etc. This will help designing experiments in a certain domain
- If you have a limited number of use cases or solutions at the end of journey 2 (max. 5), you could perform this step directly for each solution instead of for each persona. This will help later on
- An added step could be to include a 'ToDo' canvas describing steps that have to be undertaken to complete a certain experiment
- Focus on the shortest route to validate an assumption rather than setting up the scientifically most interesting experiment

	Assumptions	Metric	Experiment	To Do
TEST				