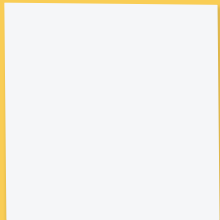
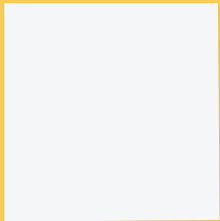


In the zones...

...we provide to...

Top 3 zones



Real life locations

[persona #1] facing the
problem that...

...because of...

[persona #1] facing the
problem that...

...because of...

[persona #1] facing the
problem that...

...because of...

...a sensor network...

...monitoring the following pollutants:

...preferably...

...at least...

...with an accuracy allowing...

...preferably...

...at least...

limit value assessment

limit value assessment

indicative assessment

indicative assessment

hotspot detection

hotspot detection

peak detection

peak detection

WHO guidelines assessment

WHO guidelines assessment

...at a temporal resolution of...

...preferably...

...at least...

1 second

1 second

1 minute

1 minute

30 minutes

30 minutes

1 hour

1 hour

6 hours

6 hours

24h average

24h average

...and data available within...

...preferably...

...at least...

immediate

immediate

15 minutes

15 minutes

1 hour

1 hour

1 day

1 day

1 week

1 week

2 week or longer

2 week or longer

...deploying in our city/zone...sensors...

...preferably...

...at least...

1

1

2 - 5

2 - 5

5 - 10

5 - 10

10 - 20

10 - 20

20 - 50

20 - 50

more than 50

more than 50

...and also providing information on...

...preferably...

...at least...



Use cases, solutions, applications...with high quality requirements

Use cases, solutions, applications...requiring fine temporal resolution (1s - 1m)

Use cases, solutions, applications...requiring realtime data

Use cases, solutions, applications...requiring a low amount of sensors (1-10)

Use cases, solutions, applications...with medium quality requirements

Use cases, solutions, applications...requiring medium temporal resolution (30m - 1h)

Use cases, solutions, applications...requiring data withing a day

Use cases, solutions, applications...requiring a medium amount of sensors (10-20)

Use cases, solutions, applications...with low quality requirements

Use cases, solutions, applications...requiring coarse temporal resolution (> 1h)

Use cases, solutions, applications...requiring data *post hoc*

Use cases, solutions, applications...requiring a high amount of sensors (> 20)

Air Quality Sensor Roadmap



05_Design your ideal network

#MinimumViableProduct

Assign a colour to every participant



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



Aim:

Defining the (minimum) requirements for an air quality sensor network for each persona, zone and/or problem statement

Method:

- 1) Split in groups or individuals and prepare the entire canvas for a single persona
 - add post-its for the pollutants and other parameters sections
 - Use the **green** markers (stars and arrows) to set levels for other attributes
- 2) Switch groups to assess work on another persona
 - Add pollutants or other parameters, put a dot on those you would remove
 - Use the **red** markers (stars and arrows) to set levels for other attributes
- 3) Group discussion on each persona, add post-its for specific use cases or solutions that come up in the relevant (low-medium-high) attribute fields.

Tips:

- It is easier to define both minimal and optimal configuration and then move on to the next parameter instead of first all min. parameters
- If you are time constrained, configure the optimal network for just 1 persona as these tend to converge for all personae
- You can indicate multiple quality levels (copy stars)