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A Visualization Tool for Prediction of Air Pollution Levels using Rainfall Information

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(NO2, PM10)

가

1.

4

5

가

2.

2.1

[1].

2013

8

(PM10)

11

[6].

[2].

가

< 1 >

[3].

		1 : PM10		2 : PM10, O2	
		' 13.8	' 13.11	' 14.5	' 14.8
		' 14.2.6		' 15.1.1	

[4].

가

2.2

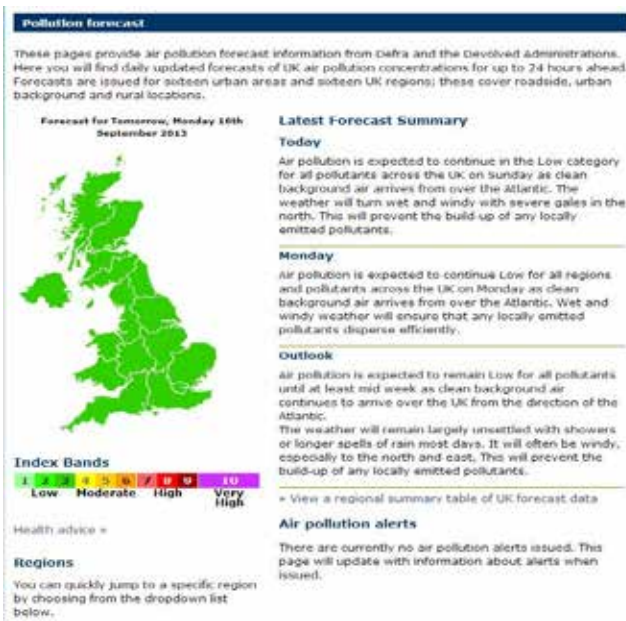
[5]

(NO2, PM10)

API

2

, 3



(1A)

AQA(Air Quality Archive)

16

(band index)

O₃, NO₂, SO₂, CO, PM₁₀

가

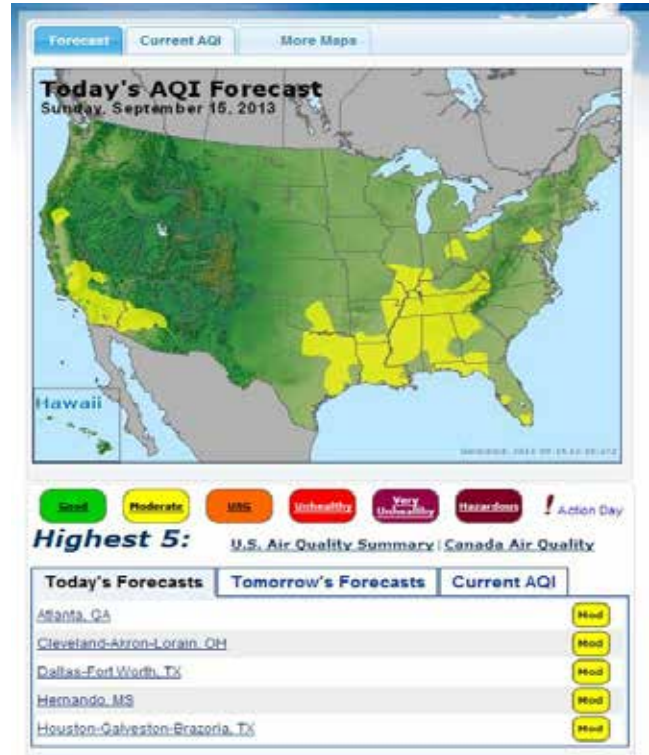
24

[7]

350,000

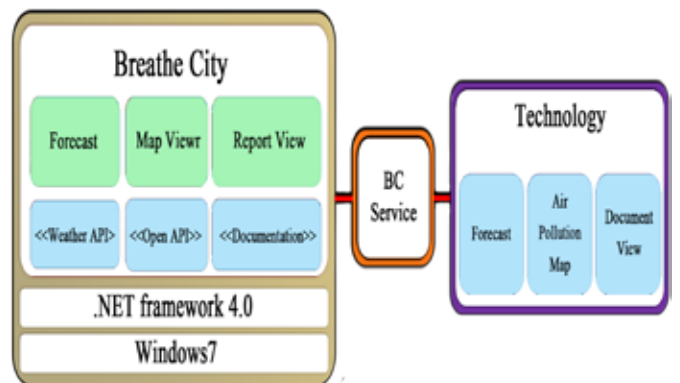
AQI(Air Quality Index)

[8]



(1B)

3.



(2)

:Breathe City) Windows7 / .NET Framework 4.0

(2)

Forecast Weather API, Map Viewer
Open API, Report View
Documentation API

| Weather API Mash-up Forecast
API
(NO₂, PM₁₀)

| Open API Map Viewer
Open API

I Documentation Report View
Forecast
(NO₂, PM10)

4.



(3)

, 가
(PM10)
(NO₂) 가

5.

(NO₂,
PM10) [5],

가

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