Supplementary Material

Field performance of a low-cost IoT sensor in the monitoring of particulate matter in Santiago, Chile

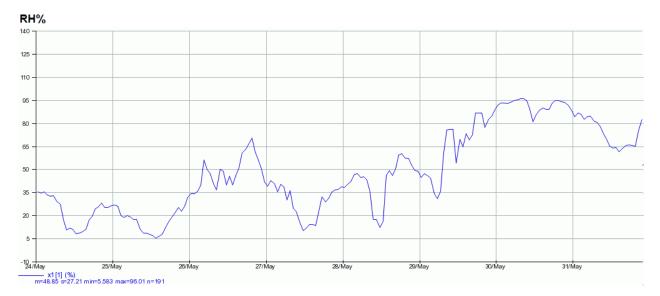
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Wire color	SDS011	ESP8266/ Node MCU	BME280	Function
Green	TXD	D1		Connects SDS011 to ESP8266/Node MCU
Yellow	RXD	D2		Connects ESP8266/Node MCU to SDS011
Black	GND	G		Connects to ground
Red	5 v	VU		Energizes with 5 volts
Orange		3 V	VCC	Energizes with 3 volts
White		G	GND	Connects to ground
Purple		D4	SCL	Sends data by I2C protocol
Blue		D3	SDA	Sends data by I2C protocol

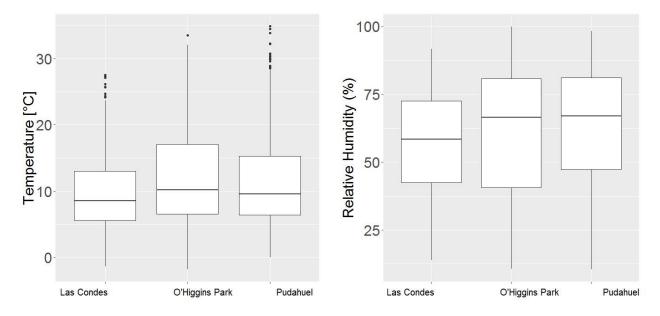
Supplementary Table 1. Connection pins between the different components of the IoT sensor.

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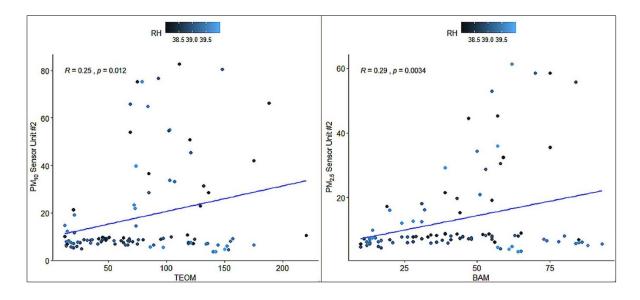
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Supplementary Figure 1. Relative humidity at the Las Condes regulatory station during the short-term monitoring campaign.



Supplementary Figure 2. Temperature and Relative Humidity at the three regulatory monitoring stations during the long-term monitoring campaign.



Supplementary Figure 3. Correlation of the 1-h averages reported by the SDS011 sensor and the reference monitor (TEOM and BAM) for RH range 38-40% informed by the BME280 sensor at O'Higgins Park.