

IN THE NAME OF GOD

**Malé Declaration Joint Training
on Regional Refresher Training Workshop
CPCB, India from 10 - 12 December 2012**



**IRAN Report
Hamoun Station at East of Iran**

By:

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Introduction:

Hamoun station has been established for monitoring transboundary air pollution in east Islamic Republic of IRAN. Site selection was performed based on *Malé Declaration on Control and Prevention of Air Pollution and Its Likely Transboundary Effects for South Asia*. Monitoring of transboundary air pollution was begun in Hamoun station in Aug 2010.

Climatic conditions of Hamoun:

Hamoun is located in the north of sistan & baloochestan province enjoying an arid and semi-arid climate. air temperature in the summer exceeds to 50°C. The rate of mean precipitation is 59 mm and some times wind speed exceeds 80 Km/h.

Hamoun monitoring station:

Hamoun monitoring station is located in 52 km far from east of Zabol city and 4.2 km to common boundary Iran – Afghanistan near to Ghorghori village.

Station name	Hamoun
Geographic position	31° 15' of north latitude 61° 42' of east longitude
Altitude	465 m above sea level

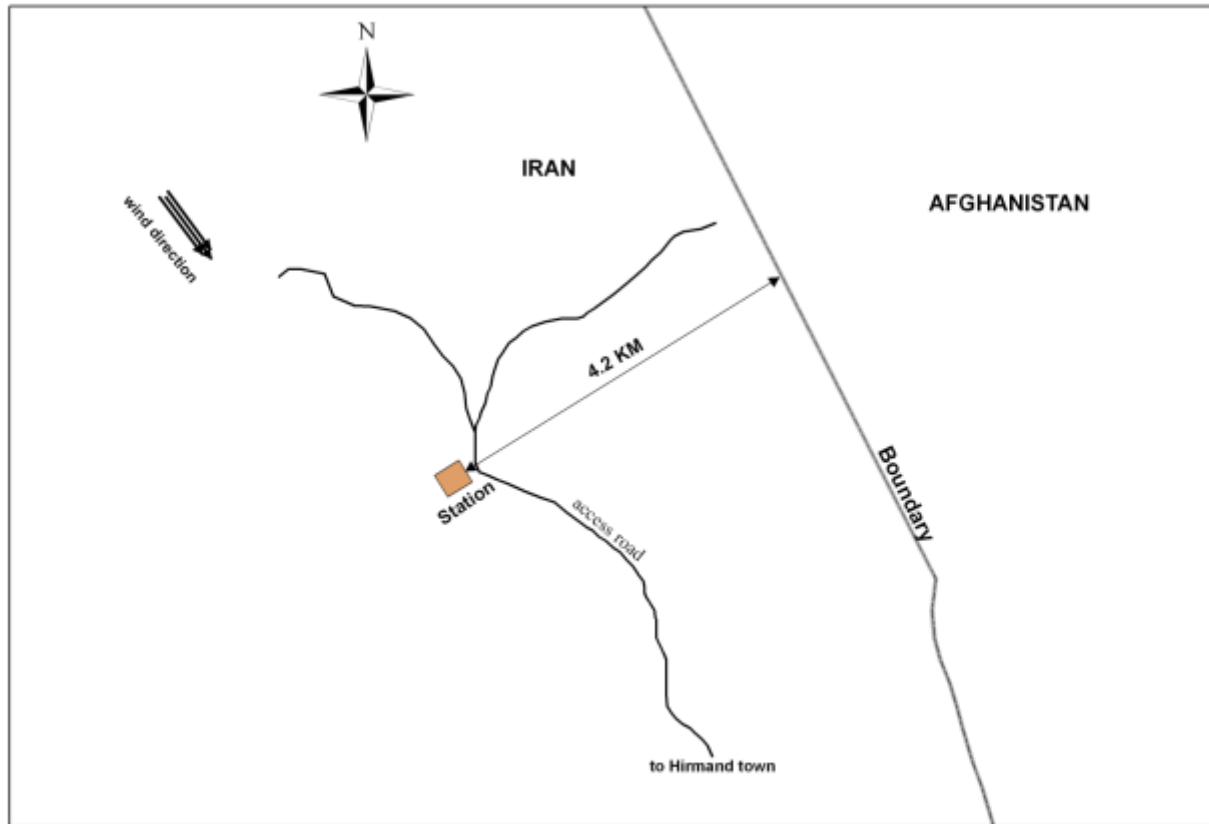
Also we established another completely regional station near the Hamoun station. This station prepared analyzers such as PM10, NO_x, SO₂, O₃, CO.

citable we have drought more of 12 years.

Site activities and facilities:

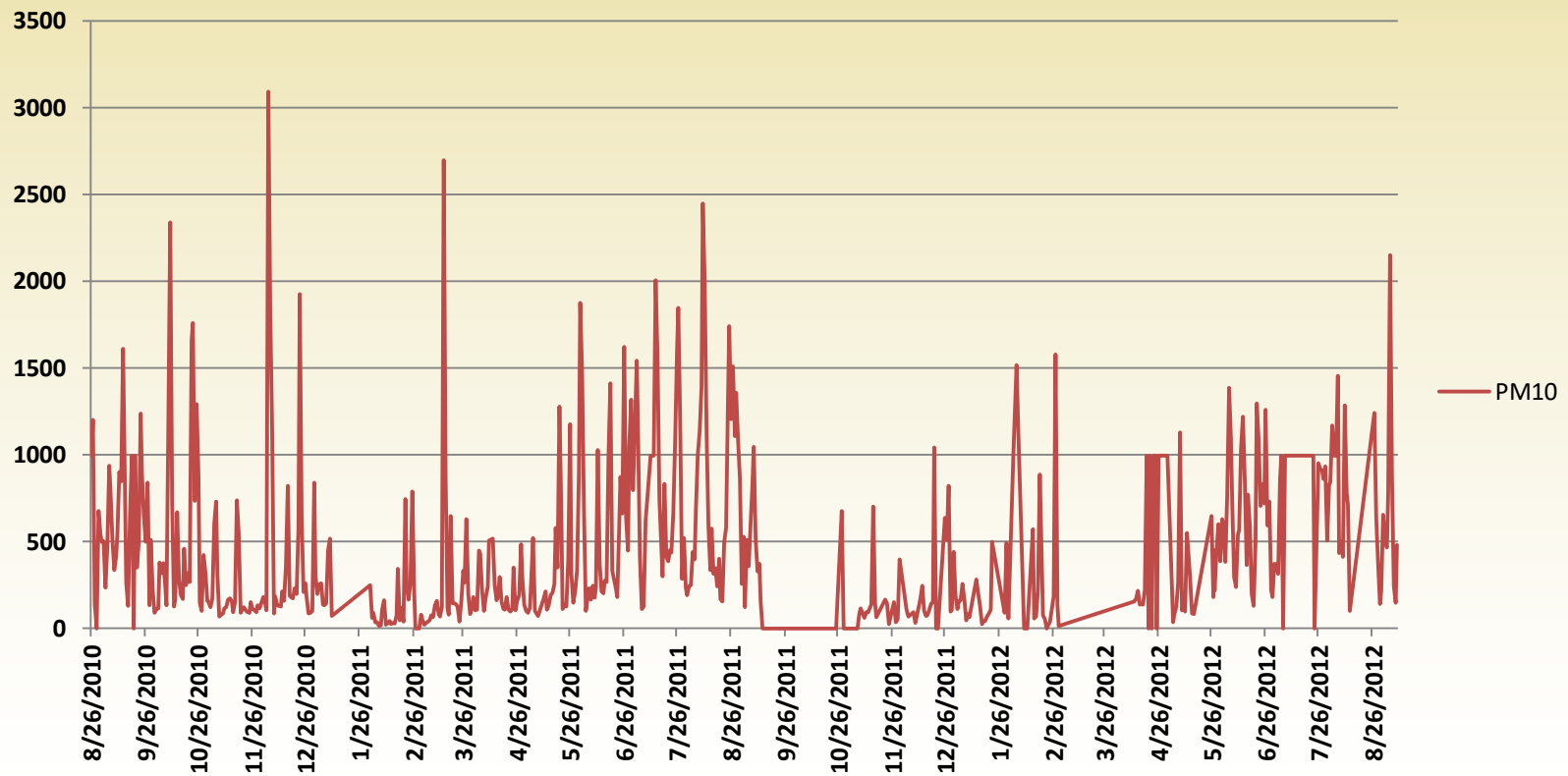
The station contains a laboratory and other equipments such as Bulk Collector and Passive Samplers. sample preparing and simple tests (such as pH, EC, DO, Turbidity, TDS, ...) and other tests (such as NO_3 , NO_2 , NH_4 , SO_4 , PO_4 , Cl, ...) are done in the site laboratory.

Hamoun Transboundary Station



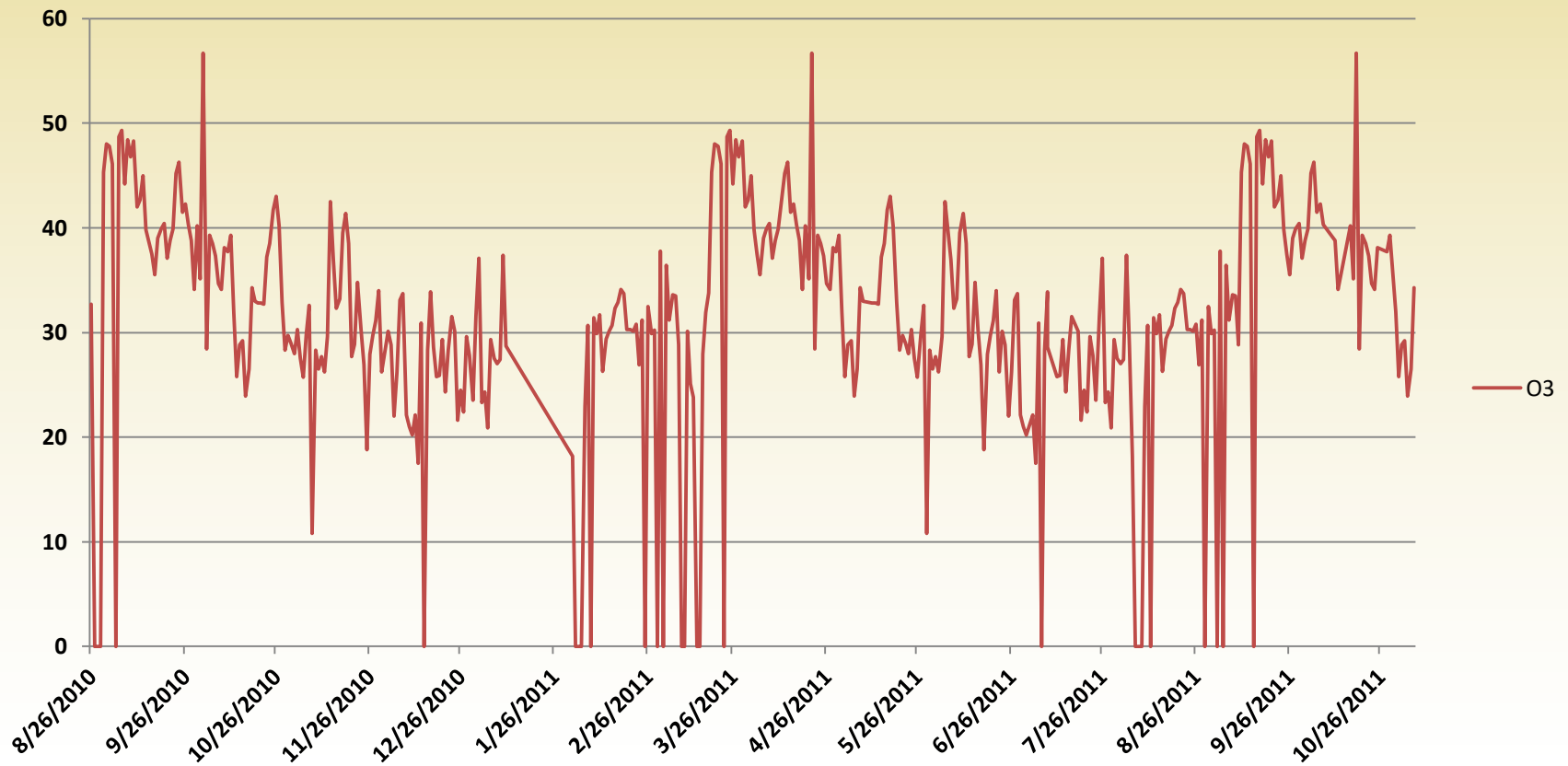
Data Report

PM10



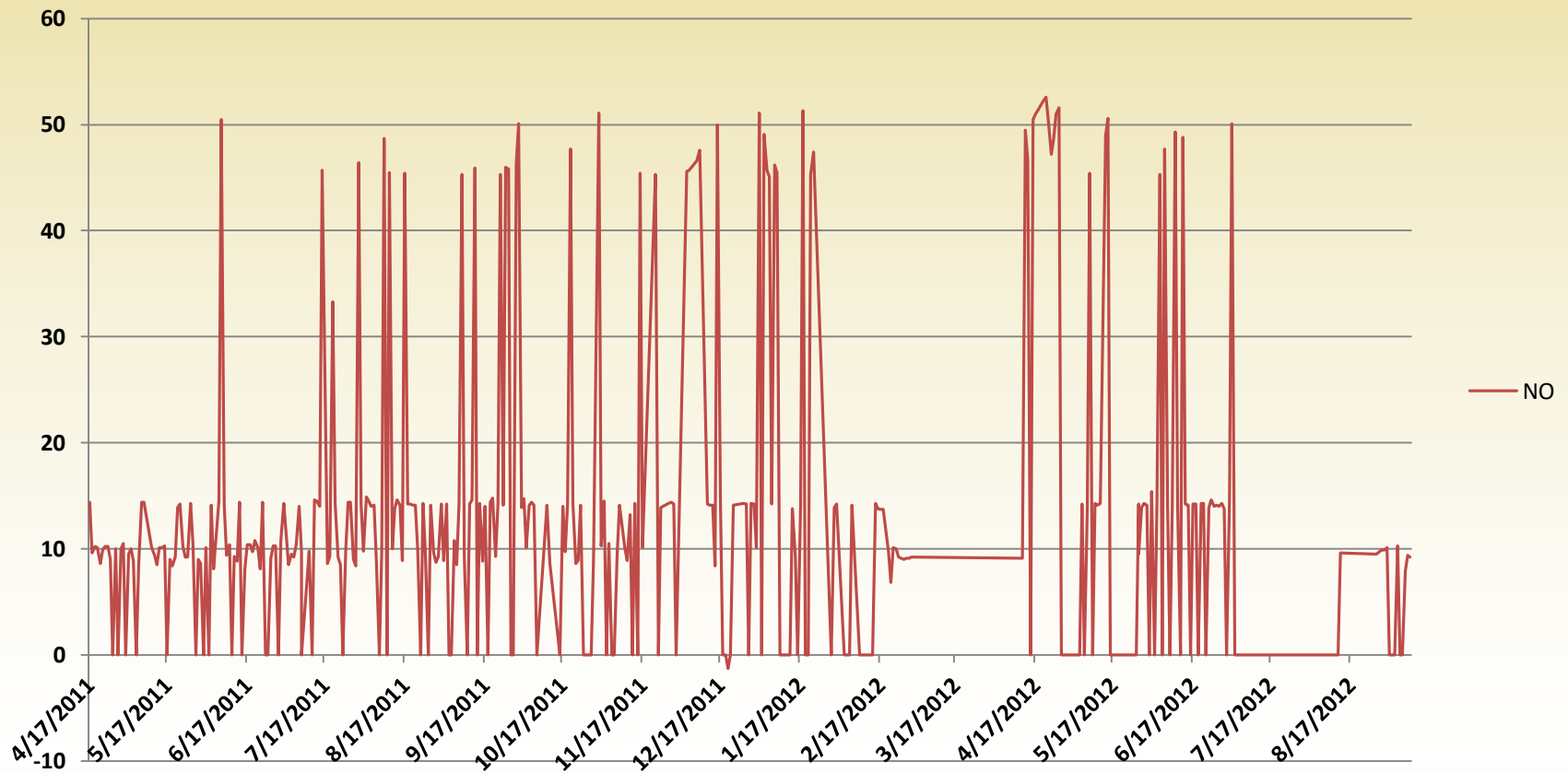
Data Report

03



Data Report

NO











Technical problems:

- High temperature has undesirable effects in the summer on plastic materials used in Bulk Collectors Funnel.
- Some birds use Bulk Collector Funnel for sitting and this action might contaminate the samples.
- Hamoun has very low precipitation at year.
- Hamoun has very strong wind.

Station Requirements

We need some equipment for Hamoun station such as:

- Wet only,
- Bulk collectors,
- High volume sampler
- some passive samplers.

Also we need to budget for maintenance of the station and your financial support.

Plans For future

- Establishment of a monitoring network for air pollution control in the country by setting the stations of air quality control.
- Constitution of committee for air quality control with cooperation of governmental and non-governmental organizations.
- Administration of air quality standards for cars and their companies.
- Invitation of public partnership to air pollution reduction.
- Installation of the station for air quality control in Zabol city.

Recommendations:

- Using of advanced equipments in monitoring stations for acceleration in measuring.
- Using of online system for data report to the environmental laboratory in Hamoun continuously.
- Providing the meteorological equipments in the site place with UNEP cooperation.

Acknowledgment:

I appreciate those who manage this conference, specially Government of India, UNEP, (UNEP RRC.AP), technical financial supporters of Male declaration.

A close-up, low-angle shot of a field of yellow tulips. The tulips are in various stages of bloom, with some showing a distinct red stripe on their petals. The background is a clear, bright blue sky. The text "Thank you" is overlaid in a bold, dark blue font.

Thank you