

**Training Workshop on Dust Storms**  
**10-13 October 2011**  
 Tehran - I.R. of Iran  
 Meteorological Organization (IRIMO)

**Workshop Topics:**

- Observation
- Monitoring
- Modeling and Forecasting of Dust storms

Dust storms have influenced mostly the western parts of Iran during the summer of recent years. Several sectors including industry, health, agriculture and transportation have encountered difficulties during dusty conditions.

Dust observation, monitoring, forecasting and warning are some of the important duties of IRIMO in providing general health and welfare information.

For this purpose, IRIMO in cooperation with the World Meteorological Organization (WMO) have organized the workshop of "Dust Storms".

**Place:**  
 I.R. of Iran Meteorological Organization (IRIMO), Meraf Blvd. Azadi Sq. Tehran, Iran

**Secretariat:**  
 National Drought Center, #2, Khayyam Alley, Vali-e-Asr St, Tehran, Iran  
 Tel/fax: +98(21)22668830-2 Website: <http://indc.ir> Email: [sds@indc.ir](mailto:sds@indc.ir)

15:00-17:00	Practical work by WMO (Dr. Nickovic)	Lunch & Prayer	13:30-15:00	Lunch & Prayer	11:00-11:30	break	09:00-11:00	Dust storm modeling	MONDAY 10 Oct.
11:30-13:30	Data assimilation and operational forecasting of dust	Lunch & Prayer	11:30-13:30	Monitoring of SDS in SWA using satellite observatory and numerical modeling.	11:00-11:30	break	11:00-11:30	In-situ and ground-based remote sensing dust observations	TUESDAY 11 Oct.
15:00-17:00	Practical work by AEMET (Dr. Cuevas-Agullo)	Lunch & Prayer	13:30-15:00	Optical techniques on passive and active remote sensing of atmospheric dust.	11:00-11:30	break	09:00-11:00	Air surface interaction and momentum fluxes near the SABL.	WEDNESDAY 12 Oct.
15:00-17:00	Practical work by CMA (Dr. Xiao Ye)	Lunch & Prayer	13:30-15:00	SDS impacts in Agriculture	11:00-11:30	break	09:00-11:00	Outbreak, Transport, deposition and operational Forecast	THURSDAY 13 Oct.

## Objectives

The overall objective of this workshop is to enhance the abilities of national and regional participants to cope with societal issues on sand and dust storms. More specifically the workshop will:

- 1- Enhance an understanding of sand and dust storms in general and in the region.
- 2- Review and identify gaps in sand and dust storm observations in the region.
- 3- Suggest how to improve modeling and forecasting of sand and dust storms.
- 4- Identify ways to mitigate the current and future impacts of sand and dust storm at the national and regional levels.
- 5- Propose ways to access, use and develop regional SDS-WAS products through collaboration with existing regional nodes.

## Expected Outcome

1- Enhanced communication and cooperation between experts in the region on sand and dust storm monitoring and forecasting.

2- Enhancement of knowledge on observation and modeling sand and dust storm in SW of Asia.

3- A report that includes extended abstracts of presentations and recommendations of the training course



## Expenses:

The expense includes training box, lunch and break for 4 days (11-13 October 2011)

Students: 70 US \$

Others: 150 US \$

Account Number: 0105940653002  
Iran Melli Bank, Naghshebardi unit, by the name of "Behineh Havay-e-Paydar" Company

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سازمان هواشناسی کشور  
I. R. OF IRAN  
METEOROLOGICAL  
ORGANIZATION



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Tehran-I.R. of Iran Meteorological Organization (IRIMO)

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Modeling and

Forecasting of Dust storms

### Place:

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