


MALE' DECLARATION ON CONTROL AND PREVENTION
OF AIR POLLUTION AND ITS LIKELY TRANSBOUNDARY EFFECTS FOR
SOUTH ASIA

Progresses in Iran

(COUNTRY REPORT)
Bangladesh
28-30 May-2013
Masood zandi

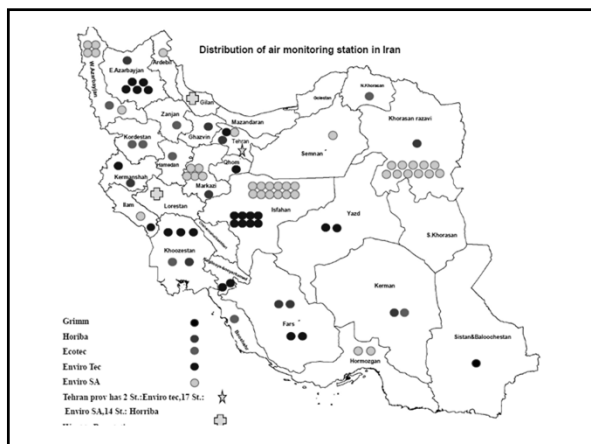
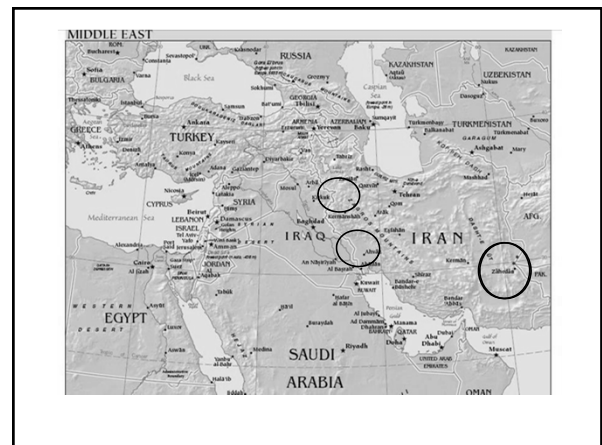
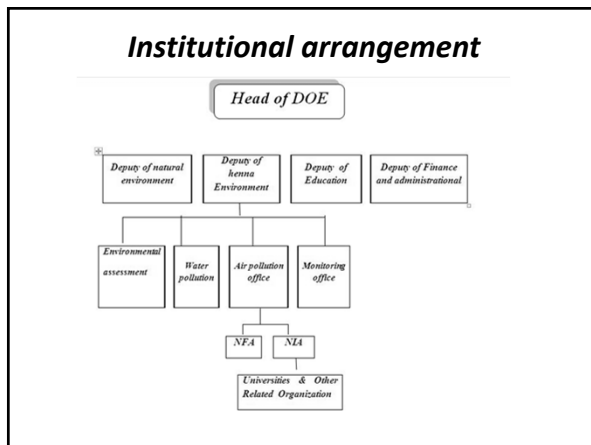
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IRAN (Islamic Republic)

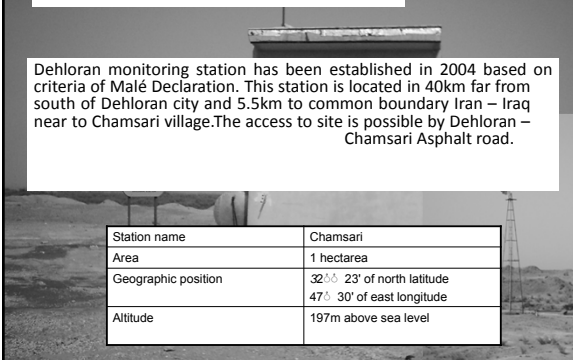


Location: 26 - 38 N, 44 - 63 E
Population > 70 million
165,000,000 ha Total Area:
-26.6m ≤ Altitude ≤ 5671m MSL
0 ≤ Precipitation ≤ 1800mm
Coastline length: 3500 km

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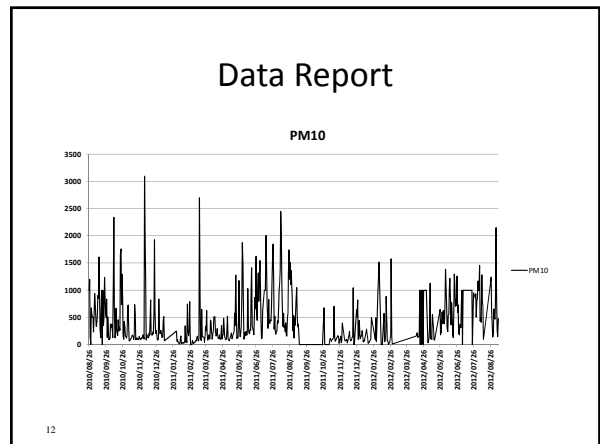
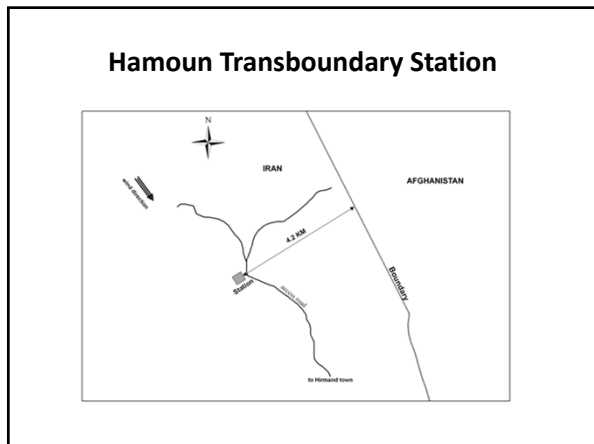
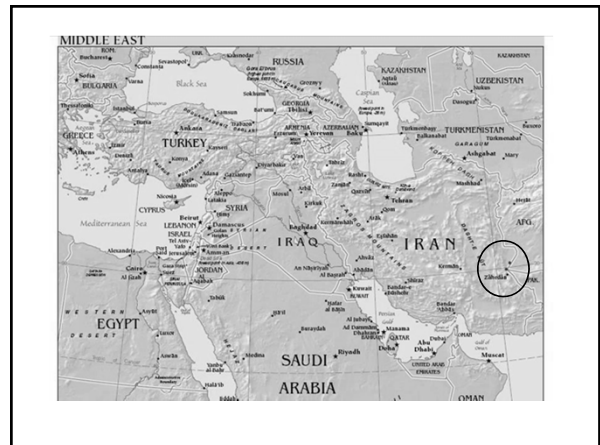
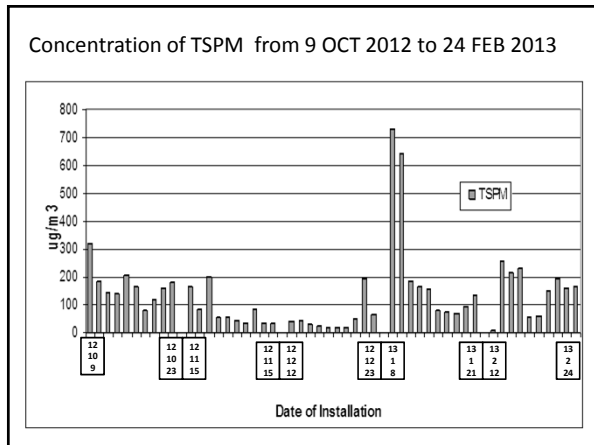
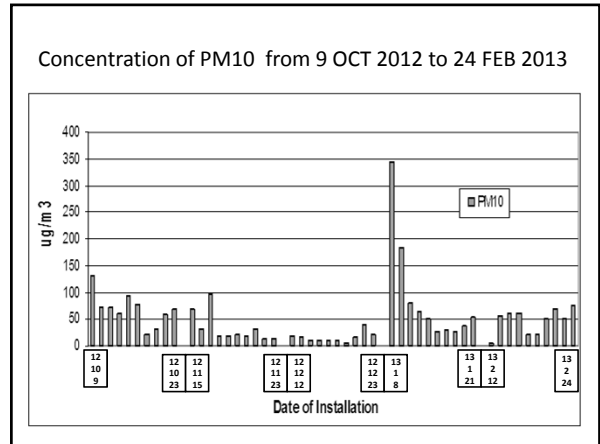
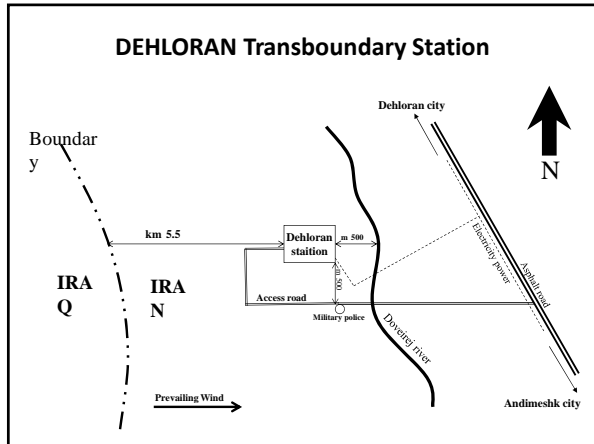


Dehloran monitoring station:



Dehloran monitoring station has been established in 2004 based on criteria of Malé Declaration. This station is located in 40km far from south of Dehloran city and 5.5km to common boundary Iran – Iraq near to Chamsari village. The access to site is possible by Dehloran – Chamsari Asphalt road.

Station name	Chamsari
Area	1 hectare
Geographic position	32° 23' of north latitude 47° 30' of east longitude
Altitude	197m above sea level

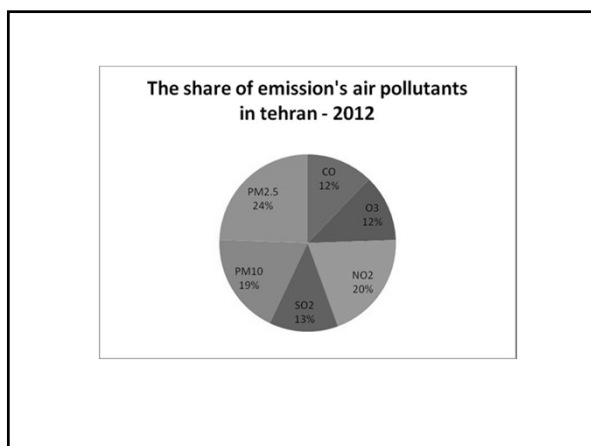
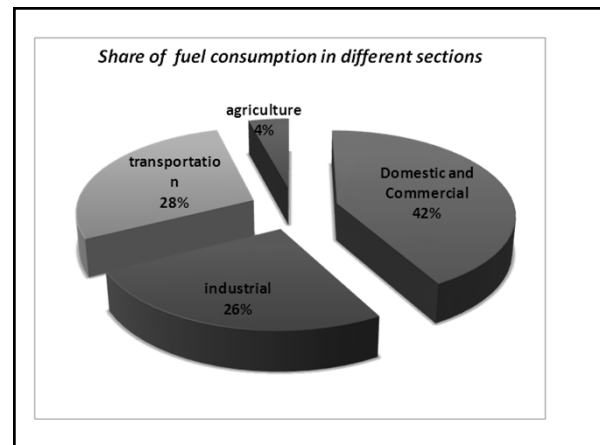
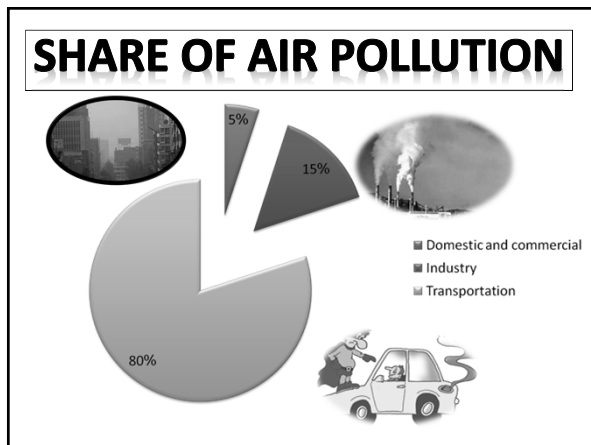


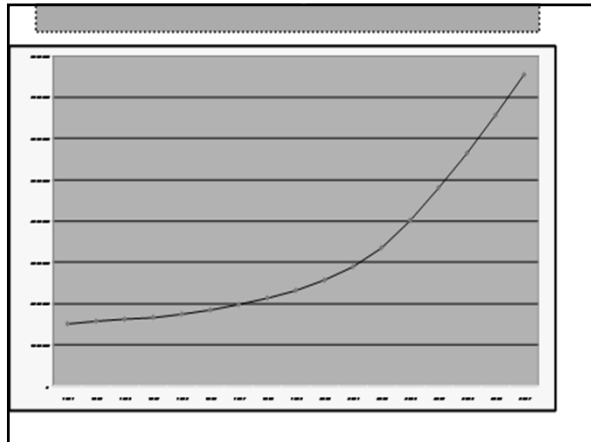


Major Sources of air pollution in Country

- Mobile sources.
- Stationary sources:
 - large and small industrial processes.
 - Power Refinery and petrochemical industries.
 - Dust storm

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Policies

Decreasing of air pollution in process of ○○○○
 industrial Improvement of fuel quality
 Improvement of vehicles standards
 Setting of required laws and regulation
 combating with the phenomenon of dust storm

Measures

Master plan for decreasing of air pollution in country has revised and contain :

Standardization of new vehicles : Standard of vehicles is Euro4

Old vehicles:

phasing out of 1500000 vehicles from fleet of vehicle .we can reduce up to 20 percent of air pollution in cities.

Fuel :Improvement of fuel quality to Euro 4&5

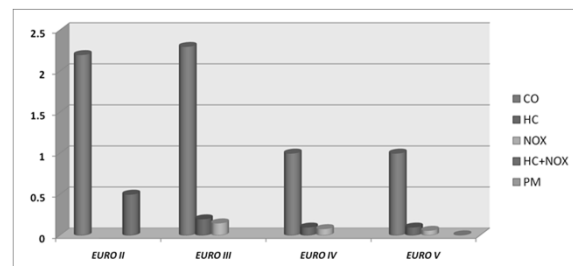
Improvement and developing of public transportation
 Increasing the green spaces
 Increasing the number of measurement of air pollution station
 Improvement of Environmental Industrial management
 Extension of Tune up center for vehicles

Traffic management:

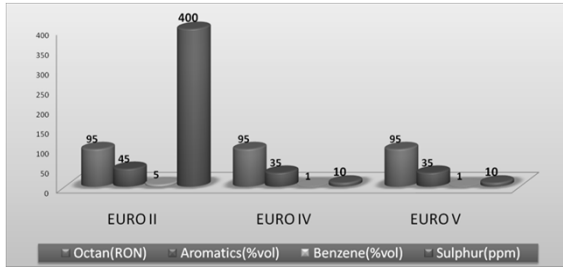
Improvement of traffic management in mega cities.

ON - line monitoring system for industries :
 installing on-line monitoring system on exhaust of industries

comparing emissions from gasoline-powered vehicles based on environmental standards EuroIV and EuroV



Gasoline chart comparison with standard EURO II and EURO IV and EURO V



Ambient air quality



Gholhak station

The Parameters that are Measuring

- CO
- NO2
- NO
- NOx
- O3
- PM2.5
- PM10
- SO2
- HC
- THC

Emission Inventory

1. Try to Collect The Update Data
2. Complete Some Sheet
3. Check the Error
4. Negotiation with Mr.Vallack for better doing of project

DUAL-FUEL SYSTEM IN PAYKAN VEHICLE AND REPLACING GASOLIN WITH CNG IN VEHICLES



REPLACING OLD TAXIES WITH NEW SAMAND VEHICLES





Storms Dust (south & west)

Dust storm

Occurrence of Sever Dust Phenomenon with Different Specialties and its Gradual Development to South West, West, North West and Central Provinces of Iran from 2004

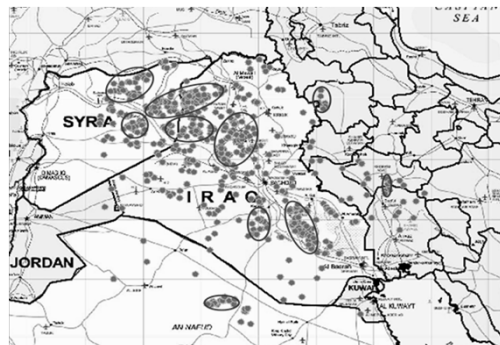
Activities

- The establishment of a regional secretariat in Tehran on dust & sandstorm management
- The national committee in Iraqi government to combat drought and desertification
- Planning an Action Plan to combat desertification in Iraq by Iran
- Preparation of a national strategic plan to combat desertification and drought action plan by the Ministry of Environment in Iraq
- Special Workshop on dust management for Iraqi and Syrian experts in Ahvaz
- Planning an air quality workshop for environmental experts of Iraq
- Collaboration with international organizations, UNAMI & UNEP

Dust Storm in Iraq



Regional dust sources (2008)



Transboundary Origins of Dust Storms in I.R.
Iran from 2001-2010 (IRIMO,2010)

224 Sources are identified

529 Dust storms are detected

- ❖ Harsh dust storms: 143
- ❖ Mild dust storms: 172
- ❖ Weak dust storms: 214



Photo :Hamed Malekpour

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Photo : Mohammad Azizi

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An Overview on agreements between
Iran & Iraq on DSS

Agreements between Iran & Iraq on DSS at a glance

No.	Title	Date	Place	Major provisions	Signatory authorities
1.	Memorandum of Understanding	26 January 2008	Tehran	8 Paragraphs, Environment and Sustainable Development, a joint committee, workshops	Iran & Iraq (Ministers)
2.	MOU	5 July 2009	Baghdad	6 Articles, sources of dust, new technologies on dust, dust monitoring, training, holding courses in Baghdad, international cooperation	Iran & Iraq (Ministers)
3.	Summary minutes of negotiations	18 November 2009	Tehran	Harmful effects of dust, field visit in Iraq, create a dust monitoring network in Iraq, providing information, air monitoring in the area	Iran & Iraq (Deputies)
4.	Ministerial Statement Ankara	1 May 2010	Ankara	Establishment of a joint working group, prepared 3-year Plan, exchange of experiences in the field of environment, weather, dust, air quality management, desertification.	Iran, Iraq, Turkey, Syria (Ministers)
5.	Track record of engineering agreement on combating dust	6 August 2010	Tehran	13 Articles, an operating appendix, dispatch of experts, preparing of credit, training and assisting the Iraq Meteorological protection, health management, proper shared views on global, regional and sub-regional meetings	Iran & Iraq (Deputies)
6.	Regional Action Plan 2010	29 September 2010	Tehran	10 Articles and appendage, environment and weather and dust, air quality management, desertification and implementation of the action plan	Iran, Iraq, Turkey, Syria (Ministers)
7.	Bilateral Action Plan	8 June 2011	Tehran	10 Articles, an area of 1 million hectares to desertification operations over 3 years, jointly financed by private, 400 tractor puller dust operations in Iraq, efforts to reduce the effects of dust, transfer of experiences in the field desertification and afforestation in Iraq	Iran & Iraq (Deputies)
8.	Bilateral Action Plan	7 May 2011	Baghdad	10 articles and an appendix operation, begins operations in Iraq desertification	Iran & Iraq (Deputies)
9.	Executive document against desertification	17 June 2011	Alzahra	7000 hectares of land desertification begins operations in seven provinces in Iraq rootstock studies on soil, water and vegetation, and meteorology (deployed to Iraq expert panel to prepare a detailed plan in 3 months), follow the provisions of the Memorandum of the Special Committee public relations on behalf of the Iraq government to farmers in sustainable agricultural productivity, land management and watershed	Iran & Iraq (Deputies)
10.	Minutes of Meeting (M.O.T)	1 November 2012	Baghdad	Combat desertification & dust control, protected area, meteorology cooperation, boundary, management plan for rivers, Road cooperation, co-finance, following committee	Iran & Iraq (Ministers)

