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**TENTH REGIONAL ENVIRONMENTALLY SUSTAINABLE TRANSPORT (EST)
FORUM IN ASIA,
14-16 MARCH 2016, VIENTIANE, LAO PDR**

**Country Presentation
(Islamic Republic of Iran)**

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Intergovernmental Tenth Regional Environmentally Sustainable Transport (EST) Forum in Asia

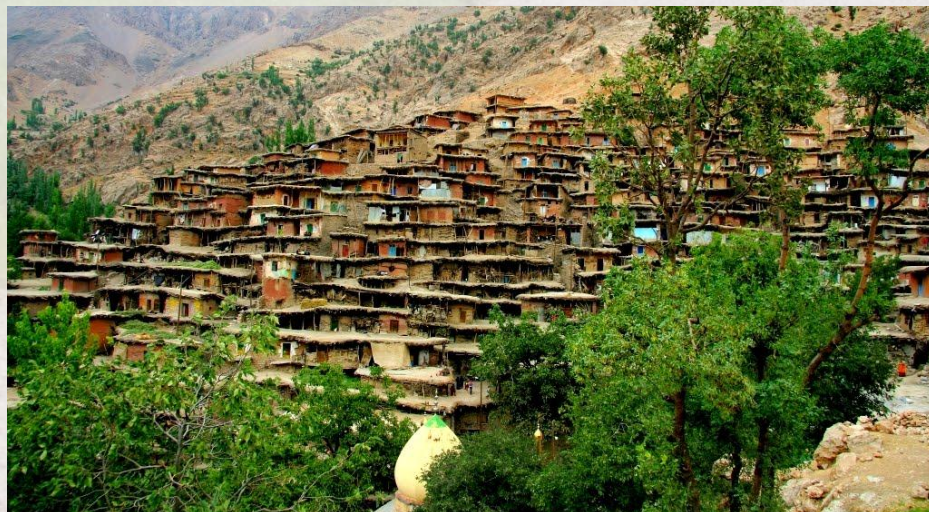
**14 Mar 2017 - 16 Mar 2017
Vientiane, Lao PDR**

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Introduction

- **Iran population consists of more than 20 million people living in rural regions.**
- **Accurate recognition of issues and challenges coupled with Iran villages must be studied appropriately.**



The current condition of Iran rural road network



The number of residential villages:
63 882

The total number of villages:
96 548

The entire population of rural areas:
21 367 000



The number of
villages with more
than 50 families:
24 803

The population of
villages with more
than 50 families:
19 085 287

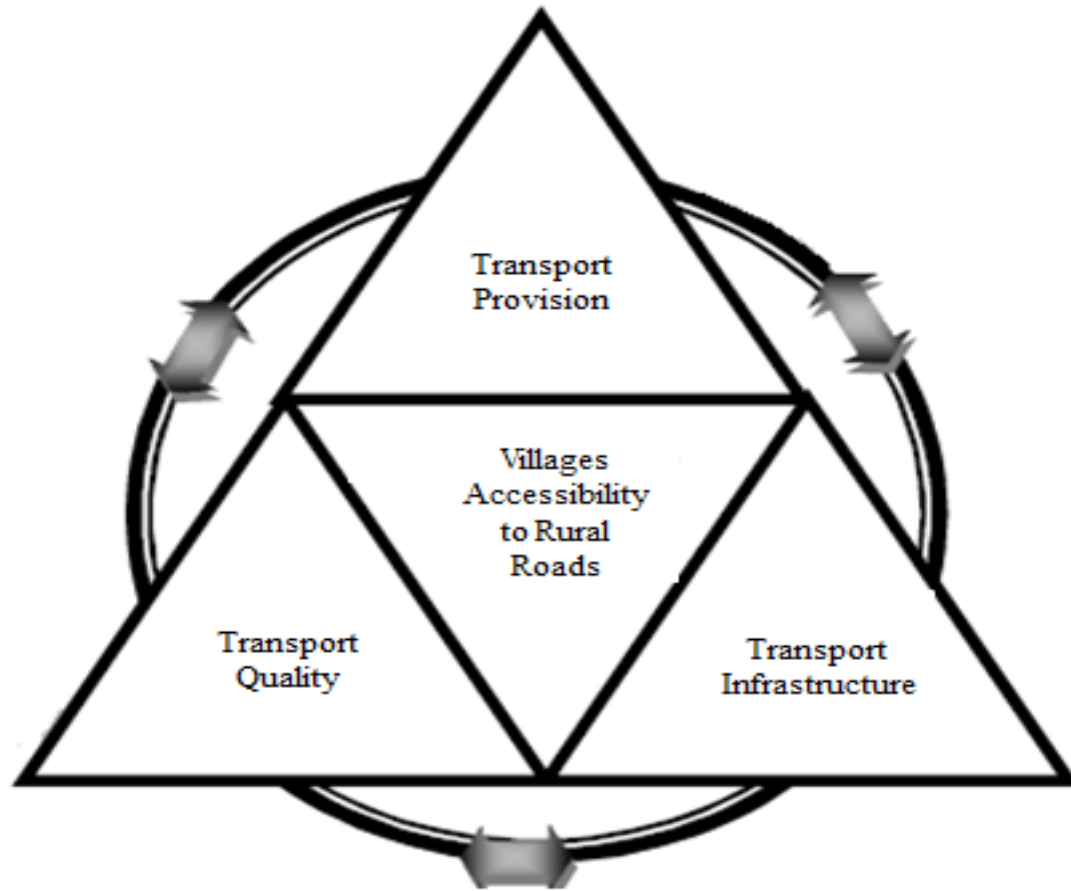
The number of
villages with more
than 50 families with
unpaved road access:
3 608

The number of
villages with more
than 20 families:
38 114

The population of
villages with more
than 20 families:
20 744 269

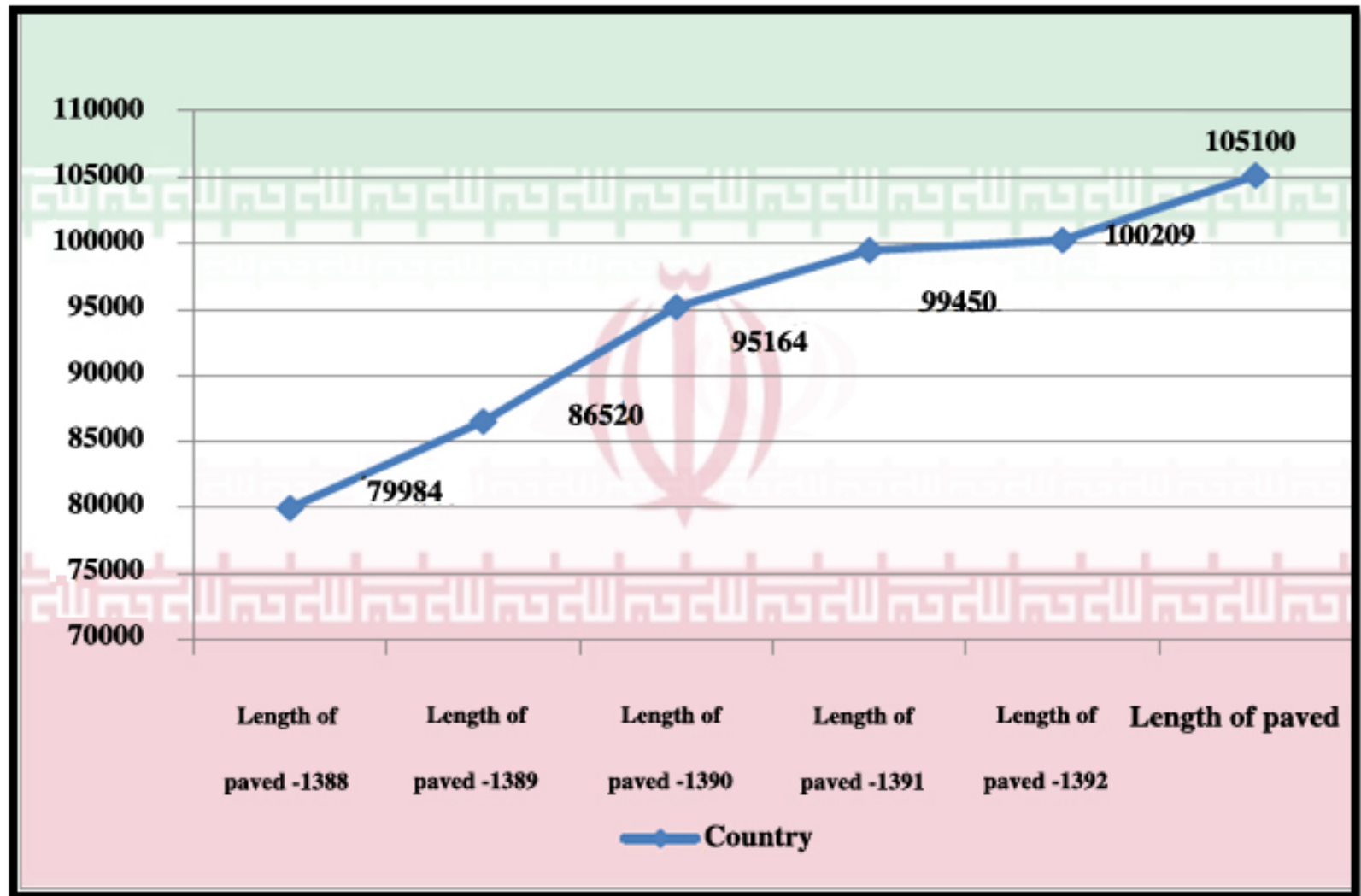
The number of
villages with more
than 20 families with
unpaved road access:
2 062





Rural Transportation Elements

The Growing Trend of Paved Rural Road network in the Period of 2009-2014



The Length of Rural Road Network Statistics

No.	Province	The length of Paved Roads (Km)	The length of Unpaved Roads (Km)	The Total Length of Paved and Unpaved Roads
1	Eastern Azerbaijan	4354	1591	5945
2	Western Azerbaijan	3425	1638	5063
3	Ardebil	2402	1324	3726
4	Esfahan	4174	301	4475
5	Alborz	793	230	1023
6	Ilam	1177	289	1466
7	Bushehr	1657	185	1842
8	Tehran	1743	285	2028
9	Chahrmahal & Bakhtiari	1771	493	2264
10	Southern Khorasan	4275	436	4711



The Length of Rural Road Network Statistics

No.	Province	The length of Paved Roads (Km)	The length of Unpaved Roads (Km)	The Total Length of Paved and Unpaved Roads
11	Northern Khorasan	1581	233	1814
12	Razavi Khorasan	5928	914	6842
13	Khouzestan	6238	1576	7814
14	Zanjan	2458	809	3267
15	Semnan	1221	207	1428
16	Sistan and Baluchestan	4106	2106	6212
17	Fars	6402	1058	7460
18	Qazvin	2397	867	3264
19	Qom	634	66	700
20	Kordestan	1985	2101	4086
21	Kerman	5066	840	5906
22	Kermanshah	2555	1712	4267
23	Kohgiluyeh and Boyer-Ahmad	1766	980	2746



The Length of Rural Road Network Statistics

No.	Province	The length of Paved Roads (Km)	The length of Unpaved Roads (Km)	The Total Length of Paved and Unpaved Roads
24	Golestan	2293	755	3047
25	Gilan	3675	2474	6149
26	Lorestan	3745	1223	4968
27	Mazandaran	3858	3093	6951
28	Markazi	2917	487	3404
29	Homrmozgan	3268	1710	4978
30	Hamedan	2427	595	3022
31	Yazd	2383	586	2969
Total		92673	31164	123837

• Khorasan, Fars and Khorasan Razavi are ranked as the first, second and third province with longest rural road networks, respectively.

Khuzestan: 8485 Km
Fars: 7949 Km
Khorasan Razavi: 4755 Km

• Qom, Alborz and Semnan have the shortest length of rural road network.

Qom: 708 Km
Alborz : 1024 Km
Khorasan Razavi : 1434 Km



- Khosestan, Fras, Keram, Sistan & Baluchestan, East and West Azarbaijan, Mazandaran and Rzavi khorasan are the provinces with the rural population more than 1.000.000 people.
- Central provinces located in Iran has the lowest rural population.



- **Tehran**, North and **Razavi Khorasan, Kerman, Fars** are the least developed provinces in the area of rural transportation network.
- Gilan and South Khorasan are the most developed provinces in the area of rural transportation network.



- Regarding the allocated index of paved rural road networks, **Tehran**, **Kerman**, **Fars**, **Khorasan Razavi** and **West and east Azarbaujan** are in the unaccepted level.



Rural Transport Policies

Policy makers of rural road in IRAN



- The importance of rural road network has been considered by Deputy of Rural Road at Ministry of Road and Urban Development.
- Rural road networks play important role in rural area development

According to the latest released statistics:

- The total length of Iran rural road network is 132000 Km.
- According to the “Iran Sixth Development Master Plan”, 43000 Km must be added to the rural network. (Paved and unpaved)

population.

Title	The length of rural road network (Km) 2014		The length of rural road network (Km) 2021	
	Unpaved	Paved	Unpaved	Paved
Road type and geometric characteristics	Geometric characteristics		Geometric characteristics	
Total	105000	27000	47000	128000
	132000		175000	

Road Network Indices

Plan	No.	Index	Unit	Current Situation	The Objective of Iran Sixth Development Master Plan
Rural Road Network Development	1	Rural Road Construction (Paved and Unpaved)	Km	132000	175000
	2	The Length of Paved Rural Roads	Km	105000	128000
Safety Provision and Reduction in Rural Road Network Accidents	3	Uprising the Road Safety Indices for Inappropriate and Unsafe Rural Road	Km	0	43000
	4	A number of Traffic Fatalities (per 1000 Km of paved Rural Roads)	Number	12	4
New Asphalt Overlay and Rural Road Maintenance and Rehabilitation	5	Resurface and Rehabilitate the Paver Rural Roads	Km	3200	34800
	6	Pavement Condition Index (PCI)	Number	65	84
The Accomplishment of Bridge Rehabilitation Projects on Rural Roads	7	The Health Number of Bridges on Rural Road Development	Number	70	90
Rural Public Transportation Development	8	Rural Public Transportation fleet Development	Number	998	66000

Issues and challenges



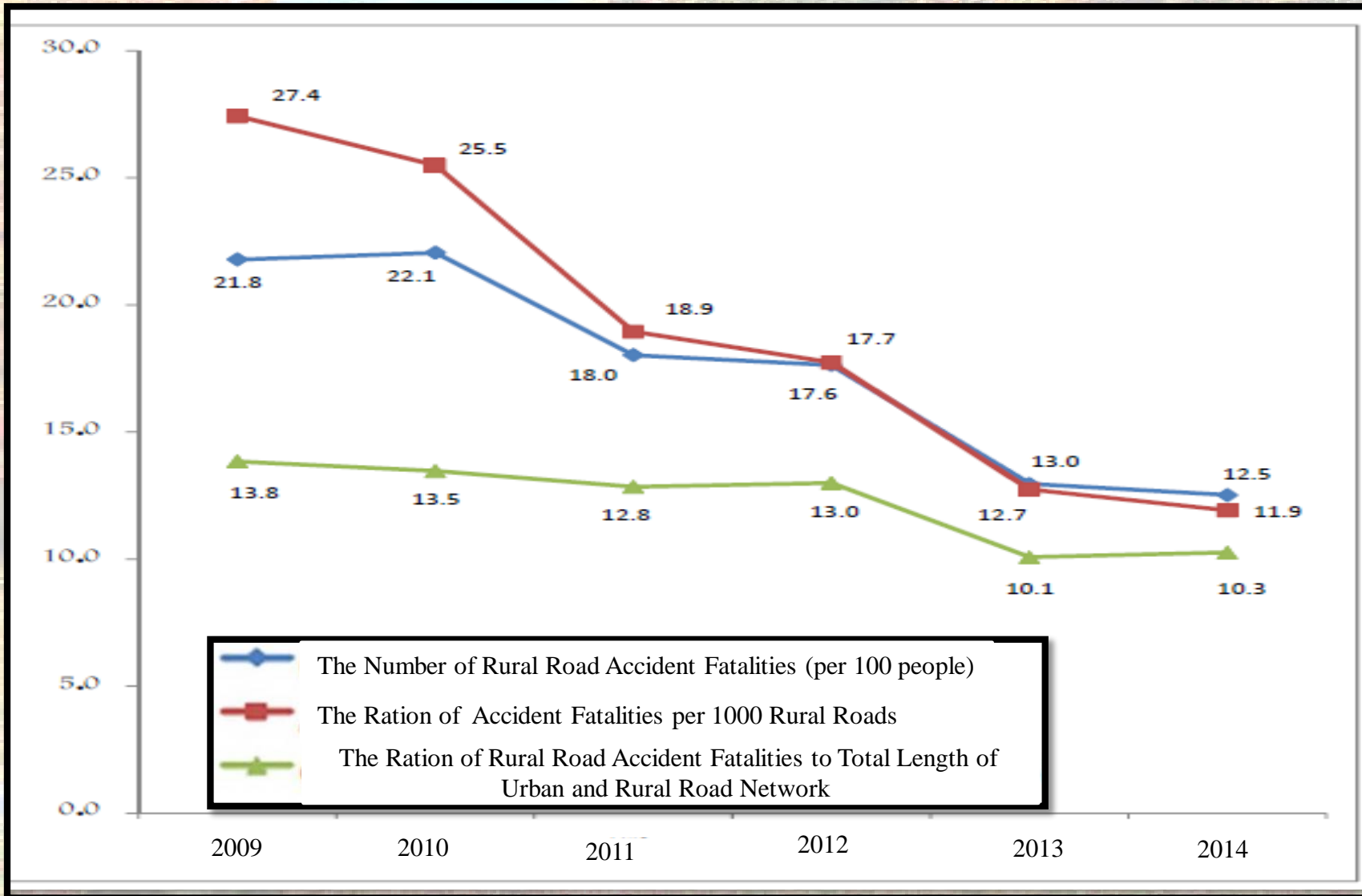
Released Statistics regarding a number of death on paved Urban roads

Year	The total number of Road Accident	The number of Urban Accident Fatalities	The Portion of Total (Urban roads)	The Portion of Total (Rural roads)
2009	22974	13556	0.59	9.5
2010	23249	14176	0.61	9.5
2011	20068	12232	0.61	9
2012	19089	11811	9.61	9.2
2013	17997	11568	2.64	7.2

- Statistics showed that the portion of urban road network accidents has always been higher than rural road network accidents



Statistic released by Iranian Legal Medicine Organization regarding Rural Road Accidents



Conclusion

- Iran is in an unaccepted level of rural road safety condition.
- There has been a plan entitled “Iran Sixth Development Master Plan” published by Ministry of Road and Urban Development to develop the Rural road network.
- Kerman, Fars and Khorsan Razavi are the most important provinces need to be taken into account regarding rural road safety development.
- According to the “Iran Sixth Development Master Plan”, 43000 Km must be added to the rural network. (Paved and unpaved)

Recommendation

- Establish rural knowledge and develop knowledge infrastructure such as the development of rural industry map, create and develop educational centers (especially practical training), improving rural literacy and train them regarding application of modern technologies.
- Develop the rural society by uprising the telecommunication and reducing illiteracy.
- Reconstruction and rehabilitation of rural houses and improve the level of life in rural areas.
- Improve the safety level of rural road by carrying out related research work regarding the most efficient and cost effective rural road safety provisions.



Thank you for your kind attention

Any Question?