



INTERNET LANDSCAPE IN MONGOLIA



Mongolian
Network Operators
Group

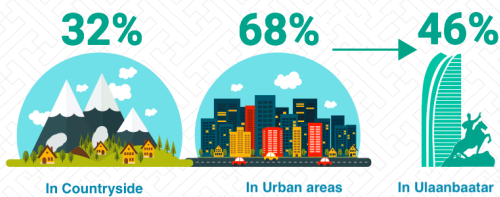
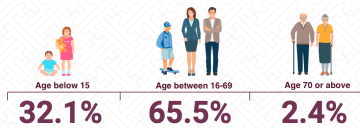
- Mongolia overview
- MN ASNs
- Fiber optic network
- Internet and mobile subs
- Mobile service and Internet usage growth
- Peering information



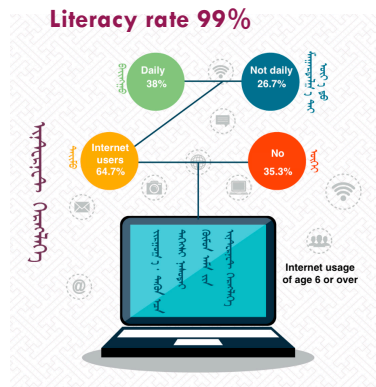
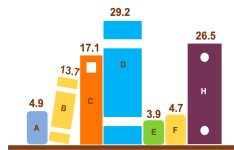
Located at East Asia, borders with China and Russia,
landlocked country

- Population : 3.3M
- Capital city : Ulaanbaatar
- Official language : Mongolian
- Currency : Tugrik (MNT)





Country population density : 2.07/km²
 UB population density : 307/km²

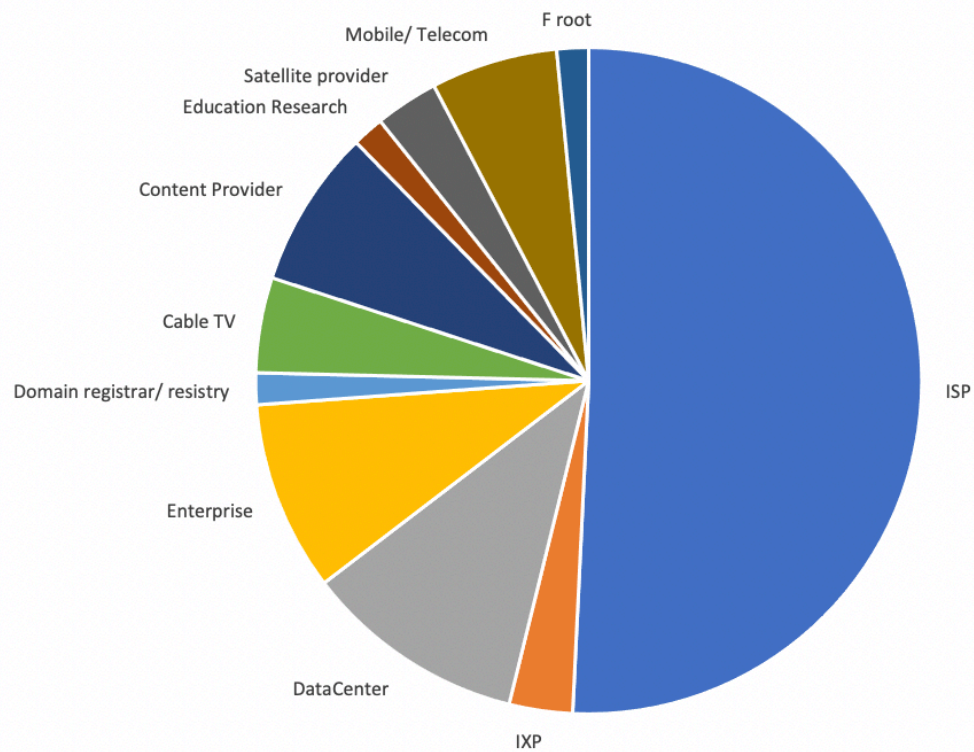


TLD : .mn
 Country dial : +976

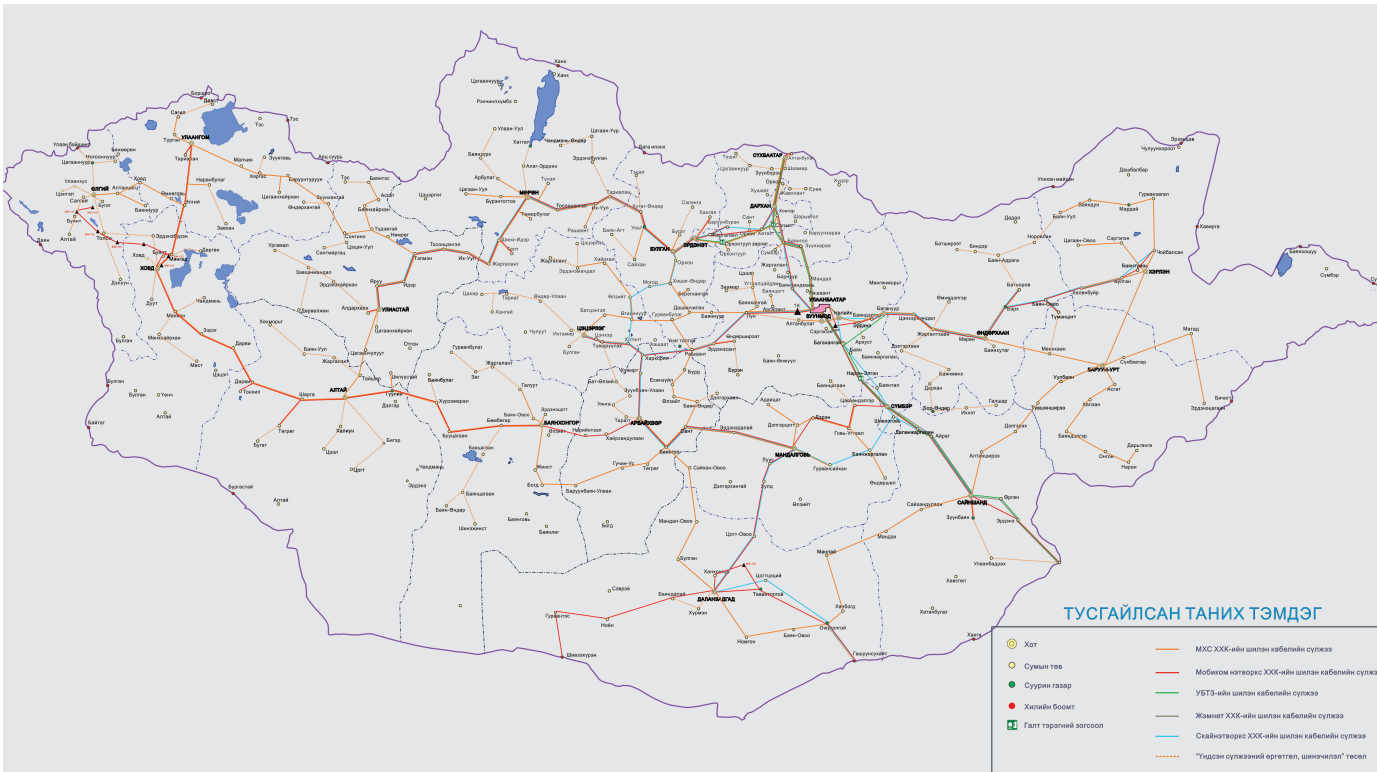


AS NUMBERS IN MONGOLIA

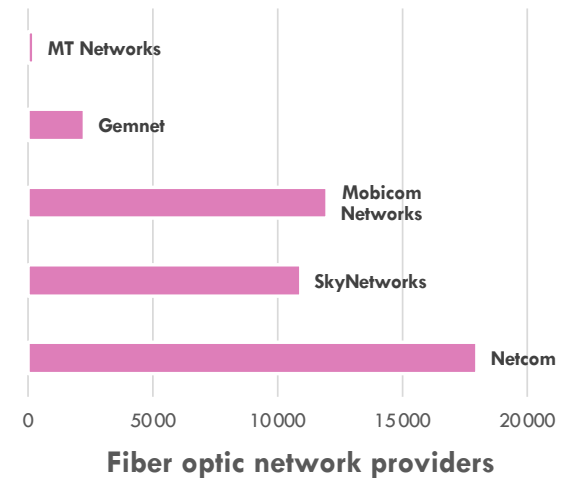
Networks: Mongolia					
ASN	Name	Adjacencies v4	Routes v4	Adjacencies v6	Routes v6
AS55806	MobiCom Corporation	62	76	108	9
AS44204	GEMNET LLC	39	278	16	8
AS58439	ICNC LLC	6	25	0	0
AS56301	National Data Center building	6	6	1	1
AS139089	MT Networks LLC	6	7	0	0
AS44237	Bodicom ISP Ulaanbaatar	5	19	0	0
AS17882	The first E-commerce and TriplePlay Service ISP in Mongolia.	5	147	2	2
AS9934	Mongolia Telecom	4	26	0	0
AS9494	Mobinet LLC. AS Mobinet Internet Service Provider	4	46	1	1
AS24559	G-Mobile Corporation	3	4	0	0
AS138907	KHAN BANK LLC	3	2	0	0
AS135033	BodSystems Co. Ltd	3	4	0	0
AS9789	Datacom Co.,Ltd	2	3	0	0
AS56598	Mongolia	2	3	1	1
AS38818	YOKOZUNANET LLC	2	6	0	0
AS24496	GNET Co.,Ltd Internet Service Provider Mongolia	2	8	0	0
AS24320	Raltcom - Commercial Center.	2	8	0	0
AS138938	ArigBank LLC	2	1	0	0
AS134368	NBC Co.,Ltd	2	2	0	0
AS134074	Golomt Bank	2	2	0	0
AS10109	Topica LLC, Internet Service Provider,Ulaanbaatar, Mongolia	2	8	0	0
AS10076	ERDEMNET Mongolian National Research and Education Network	2	1	1	1
AS63962	ITools JSC	1	2	0	0
AS58726	#203, Express tower	1	1	0	0
AS58826	Ulaanbaatar-211213, Chingeltei district	1	1	0	0
AS58406	Internet Systems Consortium	1	1	0	0
AS56293	Kiviko LLC	1	2	1	1
AS55498	Univision LLC	1	1	0	0
AS55342	Homenet	1	2	0	0
AS4460	Digicom LLC	1	1	0	0
AS44509	BIDNET LLC, AS Content Service Provider Ulaanbaatar, Mongolia	1	1	0	0
AS38869	Skynetworks LLC	1	1	0	0
AS38806	STXClinet, Leading Internet & VOIP Service Provider, Ulaanbaatar, Mongolia	1	1	0	0
AS18172	ITSYSTEM LLC	1	1	0	0
AS139837	SHINE SANSAR CABLE LLC	1	2	0	0
AS139650	Virtual Link LLC	1	2	0	0
AS139579	Mongolnet Networks LLC	1	1	0	0
AS137982	BOW LLC	1	1	0	0
AS137511	Civil Aviation Authority of Mongolia	1	1	0	0
AS137261	Nurzad Networks LLC	1	1	0	0
AS133453	Mogul Service and Support LLC	1	3	1	1
AS133177	Wicom Networks LLC	1	4	0	0
AS131240	Ultrant Zone LLC	1	1	0	0
AS10219	SKYMEDIA CORPORATION LLC	1	31	1	1

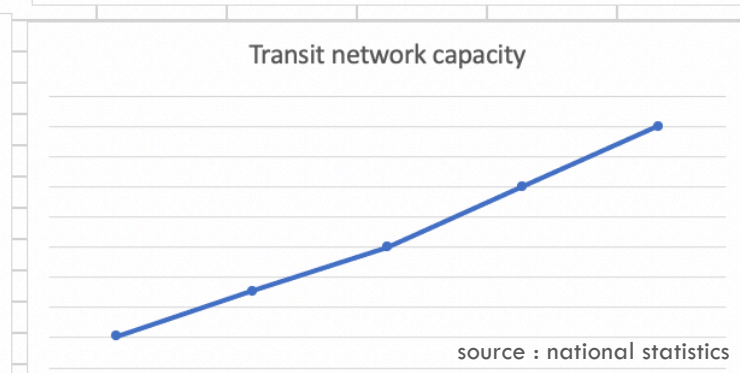
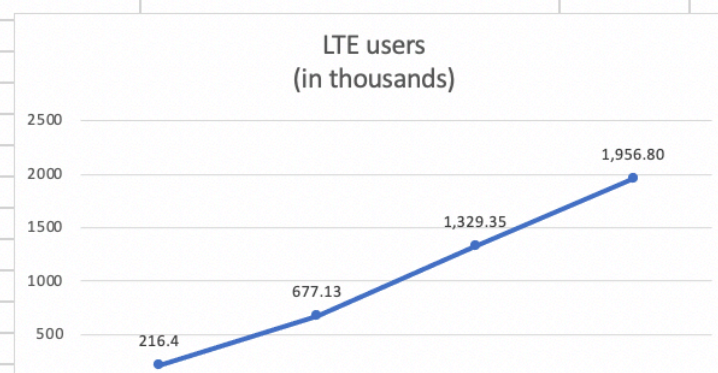
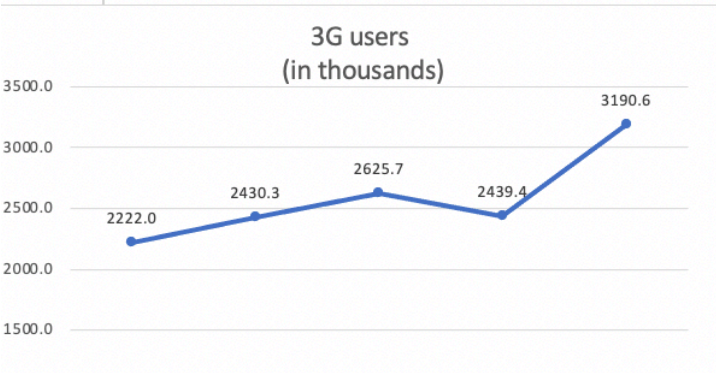
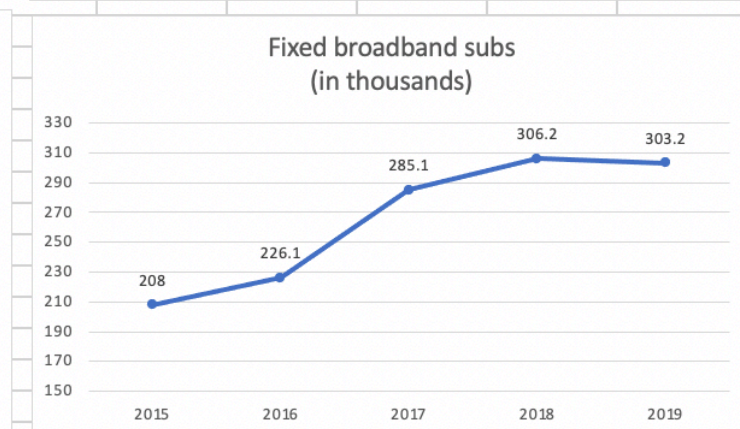
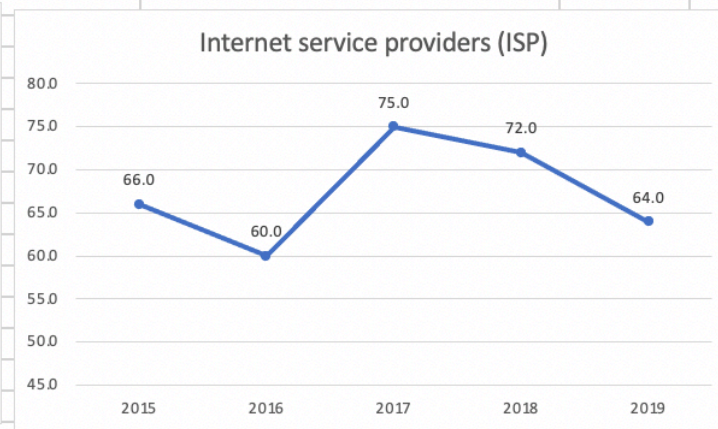
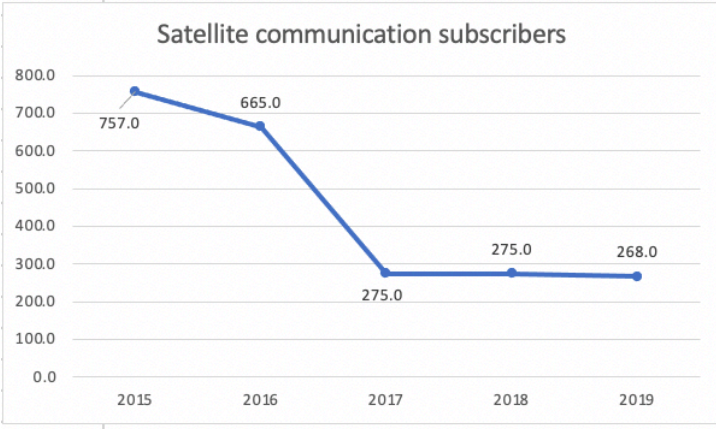
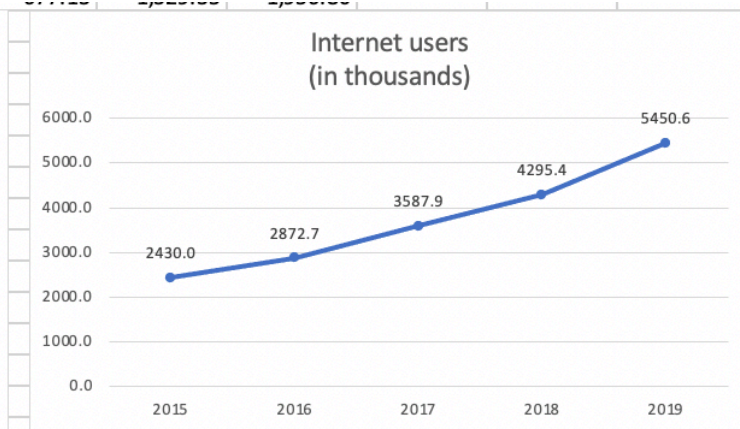
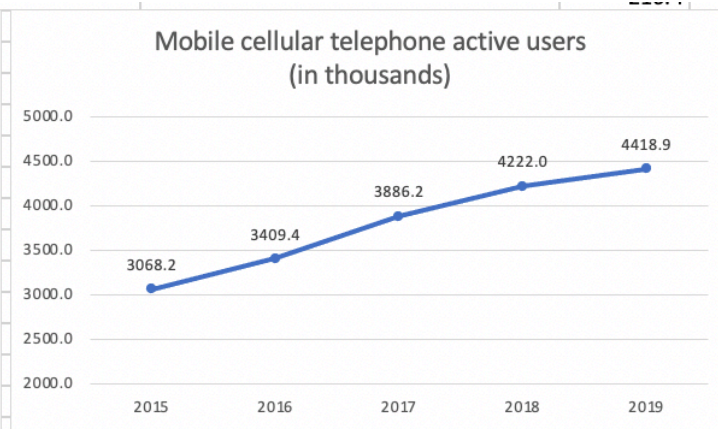
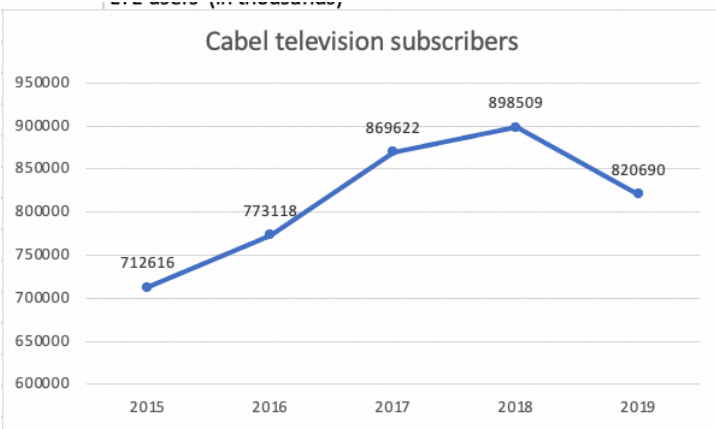


MONGOLIAN FIBER OPTIC BACKBONE NETWORK



- 5 COMPANIES 43,018 km optic fiber
- OPTIC FIBER CONNECTED EXCEPT 11 SOUM CENTER
- 11 SOUM = 2 MICROWAVE CONNECTED + 9 VSAT
- DOMESTIC BACKBONE NETWORK 36'724 KM
METRPOLITAN AREAS NETWORK 6294 KM

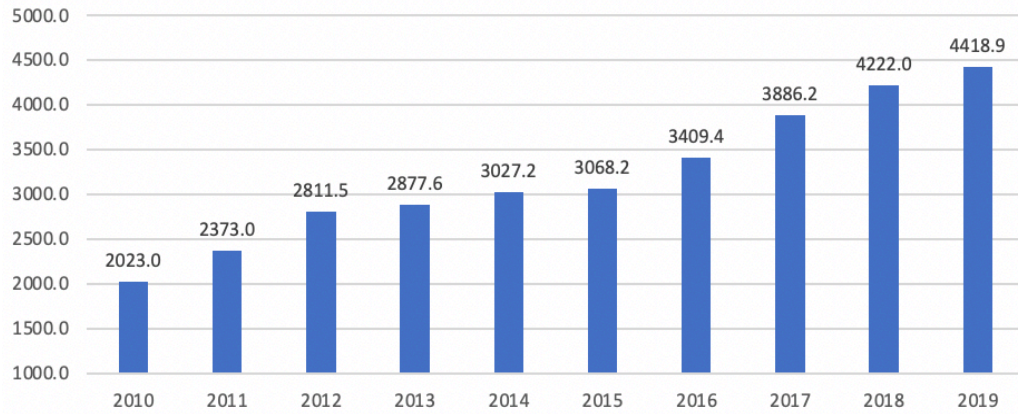




source : national statistics

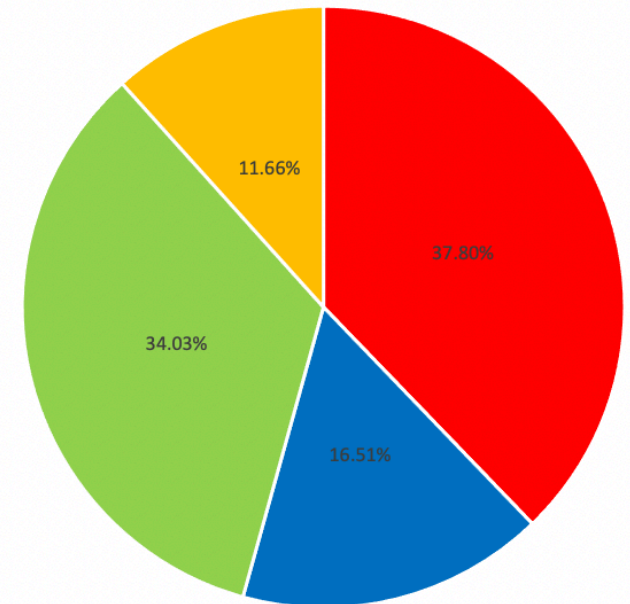


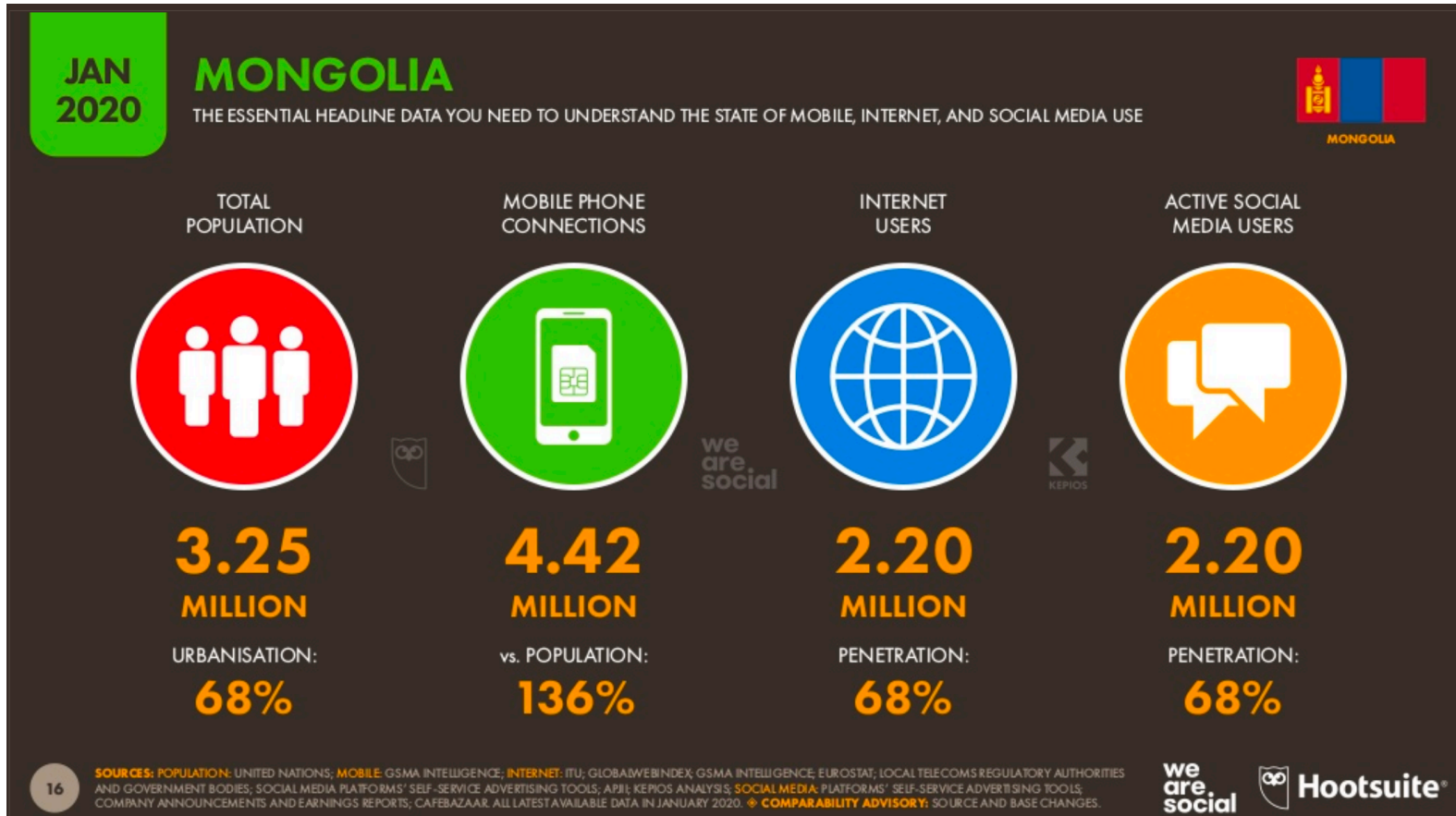
Total number of mobile users



Market shares

- Mobicom (GSM 3G, 4G/LTE)
- Skytel(CDMA 2000 3G, 4G/LTE)
- Unitel(GSM 3G, 4G/LTE)
- Gmobile(CDMA 1x EVDO 3G, 4G/LTE)





JAN
2020

MOST-VISITED WEBSITES (ALEXA)

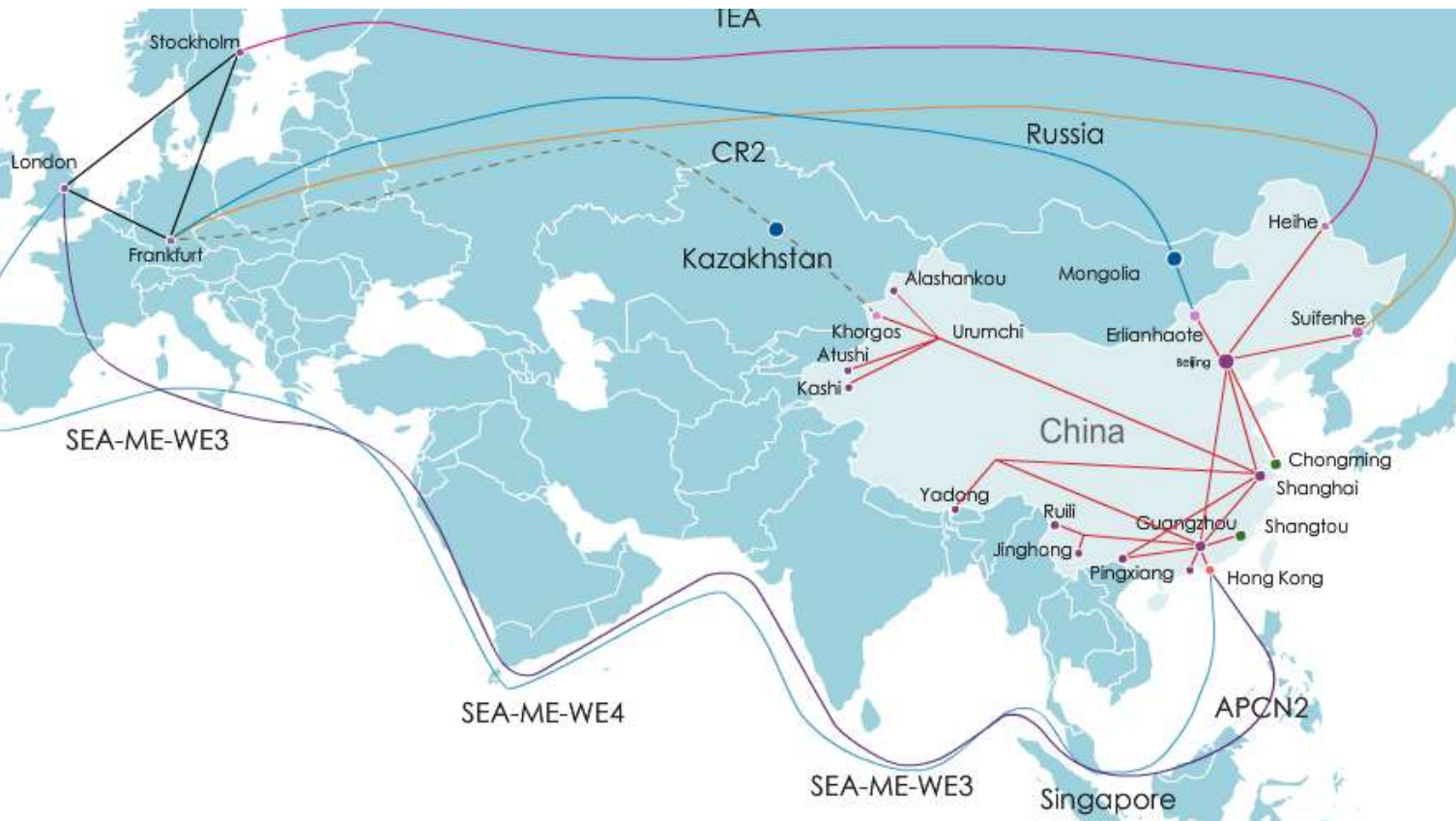
RANKING OF TOP WEBSITES BY AVERAGE MONTHLY TRAFFIC ACCORDING TO ALEXA



#	WEBSITE	TIME / VISIT	PAGES / VISIT
01	GOOGLE.COM	12M 09S	14.6
02	YOUTUBE.COM	11 M 44S	6.7
03	IKON.MN	3M 37S	2.0
04	GOGO.MN	3M 35S	1.8
05	XOPOM.COM	2M 45S	1.6
06	EGUUR.MN	3M 05S	1.7
07	GOOGLE.MN	6M 15S	6.8
08	CAAK.MN	4M 58S	2.4
09	YAHOO.COM	4M 34S	4.4
10	FACEBOOK.COM	17M 48S	7.8

#	WEBSITE	TIME / VISIT	PAGES / VISIT
11	ZINDAA.MN	3M 58S	2.4
12	UPDOWN.MN	4M 39S	9.3
13	UBINFO.MN	1M 53S	1.4
14	UNUUDUR.MN	2M 24S	1.6
15	KHANBANK.COM	4M 22S	1.7
16	EBARIMT.MN	3M 39S	1.9
17	WIKIPEDIA.ORG	3M 55S	3.0
18	UNEGUI.MN	12M 39S	9.3
19	NEWS.MN	4M 55S	3.1
20	INEWS.MN	1M 36S	1.6





- Asia-Europe shortest transit route with low latency
- 4 Transit providers : Gemnet, Mobicom Networks, NetCom, MT Networks, Railcom
- Protected routes connected at Mongolia-Russia and Mongolia-China.
- Low latency ~10ms





Private Peering Locations:

- Mega-I Hong Kong
- NewTelco Frankfurt
- Equinix FR5 Frankfurt
- CoreSite, LA1, One Wilshire, US

At Public Peering Exchange Points:

- HKIX
- Equinix Hong Kong
- JPIX TOKYO
- DE-CIX Frankfurt
- CoreSite - Any2, California
- DE-CIX New York

of the data on this page is incomplete, please update the fields marked with  to improve data quality.

Organization	Gemnet LLC
Also Known As	
Company Website	http://www.gemnet.mn
ASN	45204
IRR as-set/route-set	AS-GEMNET
Route Server URL	
Looking Glass URL	http://lg.gemnet.mn
Network Type	NSP
IPv4 Prefixes	500
IPv6 Prefixes	25
Traffic Levels	100-200Gbps
Traffic Ratios	Balanced
Geographic Scope	Regional
Protocols Supported	<input checked="" type="radio"/> Unicast IPv4 <input type="radio"/> Multicast <input checked="" type="radio"/> IPv6 <input type="radio"/> Never via route servers 
Last Updated	2020-07-01T14:21:58Z
Notes	ASIA - MONGOLIA
Translate »	


Public Peering Exchange Points

Exchange ↓ ASN	IPv4 IPv6	Speed RS Peer
AMS-IX 45204	80.249.211.86 2001:7f8:1::a504:5204:1	10G <input type="radio"/>
CoreSite - Any2 California 45204	206.72.210.188 2001:504:13::210:188	10G <input type="radio"/>
DE-CIX Frankfurt 45204	80.81.193.2 2001:7f8::b094:0:1	20G <input type="radio"/>
Equinix Los Angeles 45204	206.223.123.206 2001:504:0:3:0:4:5204:1	10G <input type="radio"/>
HKIX 45204	123.255.90.55 2001:7fa:0:1::ca28:a037	10G <input type="radio"/>

Private Peering Facilities

Facility ↓ ASN	Country City
CoreSite - Los Angeles (LA1) One Wilshire 45204	United States of America Los Angeles
MEGA-I (iAdvantage Hong Kong) 45204	Hong Kong Hong Kong
NewTelco Frankfurt 45204	Germany Frankfurt

MobiCom Corporation

Organization	MobiCom Corporation
Also Known As	MobiCom Networks
Company Website	https://www.mobicom.mn/en/
ASN	55805
IRR as-set/route-set	AS55805
Route Server URL	
Looking Glass URL	
Network Type	NSP
IPv4 Prefixes	2000
IPv6 Prefixes	500
Traffic Levels	Not Disclosed
Traffic Ratios	Balanced
Geographic Scope	Regional
Protocols Supported	<input checked="" type="radio"/> Unicast IPv4 <input type="radio"/> Multicast <input checked="" type="radio"/> IPv6 <input type="radio"/> Never via route servers 
Last Updated	2020-06-10T07:37:39Z
Notes	East Asia - Mongolia
Translate »	

Public Peering Exchange Points

Exchange ↓ ASN	IPv4 IPv6	Speed RS Peer
DE-CIX Frankfurt 55805	80.81.193.56 2001:7f8::d9fd:0:1	10G <input type="radio"/>
DE-CIX New York 55805	206.82.104.190 2001:504:36::d9fd:0:1	<input type="radio"/>
Equinix Hong Kong 55805	36.255.56.100 2001:de8:7::5:5805:3	10G <input type="radio"/>
JPIX TOKYO 55805	210.171.225.78 2001:de8:8::5:5805:1	1G <input type="radio"/>

Private Peering Facilities

Facility ↓ ASN	Country City
Equinix FR5 - Frankfurt, KleyerStrasse 55805	Germany Frankfurt
MEGA-I (iAdvantage Hong Kong) 55805	Hong Kong Hong Kong

INTERNET EXCHANGE POINTS

MIX MNDC

Organization	MIX NDC
Long Name	Mongolian Internet Exchange & Mongolian National Data Center
City	Ulaanbaatar
Country	MN
Continental Region	Asia Pacific
Media Type	Ethernet
Protocols Supported	<input checked="" type="radio"/> Unicast IPv4 <input type="radio"/> Multicast <input type="radio"/> IPv6
Last Updated	2020-01-22T04:24:06Z
Notes	

Contact Information

Company Website	https://datacenter.gov.mn
Traffic Stats Website	
Technical Email	amarsaikhan.a@univision.mn
Technical Phone	+97689113284
Policy Email	Oyumbold@datacenter.gov.mn
Policy Phone	+97699775440

Peers at this Exchange Point

Peer Name ASN	IPv4 IPv6	Speed Policy
ISC F-ROOT ULN1 58406	103.17.109.252	1G Open
ISC F-ROOT ULN1 58406	103.17.109.253	1G Open
Kewiko 56293	103.17.109.230	1G Open
National Data Center 56301	103.17.109.182	10G
STX Citinet 38905	103.17.109.206	1G Selective
Univision Mongolia 17882	103.17.108.1	10G Selective

MISPA IXP Route Servers

Some of the data on this page is incomplete, please update the fields marked with to improve data quality.

Organization	Gernet LLC
Also Known As	MISPA IXP
Company Website	
ASN	24064
IRR as-set/route-set	
Route Server URL	
Looking Glass URL	http://rs1.gernet.mn/ulg/ulg.py
Network Type	Route Server
IPv4 Prefixes	0
IPv6 Prefixes	0
Traffic Levels	Not Disclosed
Traffic Ratios	Not Disclosed
Geographic Scope	Regional
Protocols Supported	<input type="radio"/> Unicast IPv4 <input type="radio"/> Multicast <input type="radio"/> IPv6 <input type="radio"/> Never via route servers
Last Updated	2019-01-09T03:47:32Z
Notes	

Public Peering Exchange Points

Exchange ASN	IPv4 IPv6	Speed RS Peer
MISPA-IXP 24064	103.8.60.6	<input type="radio"/>

Private Peering Facilities

Facility ASN	Country City
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No filter matches.
You may filter by **Facility**, **ASN**, **Country** or **City**.

Thank you 😊

- Meet and Peer with MN networks at mnNOG
- We regularly attend regional events : APNIC, APRICOT, etc
- Next time again at Peering Asia
- MN networks 100% signed their routes 😊

We can be reached at:

<https://nog.mn>

info@nog.mn

tugsorshikh@gmail.com, ariunbold@gemnet.mn