



GOVERNMENT OF
MONGOLIA

MINISTRY OF DIGITAL
DEVELOPMENT AND COMMUNICATIONS

ITU REGIONAL DEVELOPMENT FORUM 2023 for Asia Pacific (RDF-ASP)

CONNECTING ALL IN A LANDLOCKED GEOGRAPHY

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Outline

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- 2 **ICT potential of Mongolia**
 - Telecommunications development
 - Universal Service Obligation Fund
 - ICT Statistics
- 3 **e-Services**

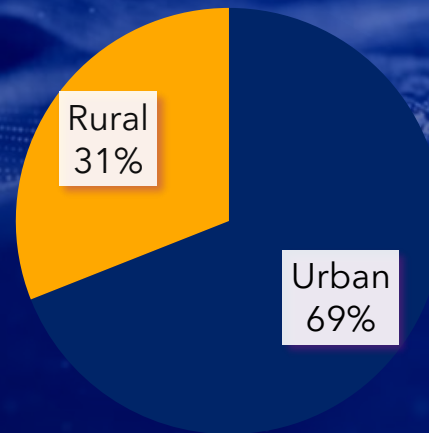


Mongolia – Country Snapshot

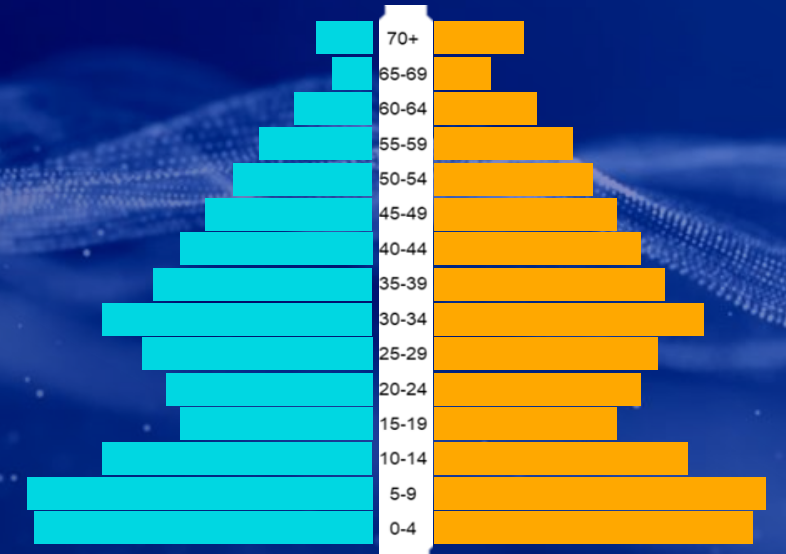
One of the world's fastest-growing economies

- Landlocked, continental, desert
- High elevation, with a cold and dry climate
- 21 provinces, 330 soums, 1639 bags

LOCATION



Total population, by areas (2022)



Age structure, demographic (2020)

TOTAL POPULATION

3,457,542

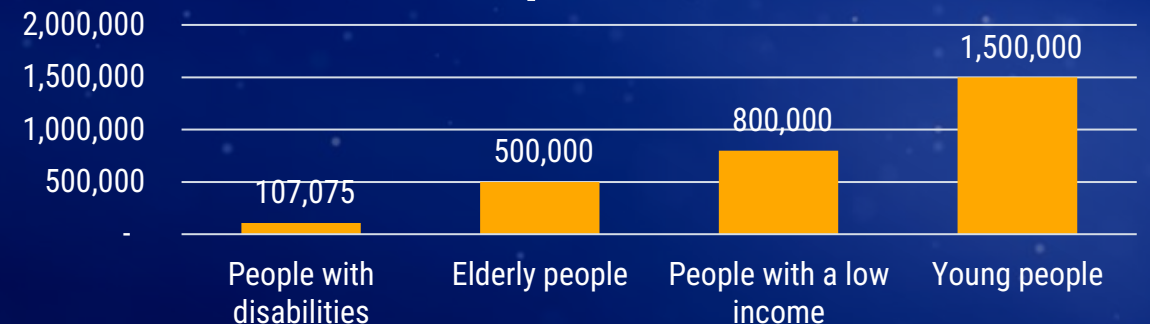
AREA in sq. km

1,564,116

GDP per capita, USD

4,946

Population



Telecommunications development

Date back to

Mongolian government reorganized the telecommunication industry and brought it into free market system, 1990

First mobile cellular service was launched in Mongolia, 1996

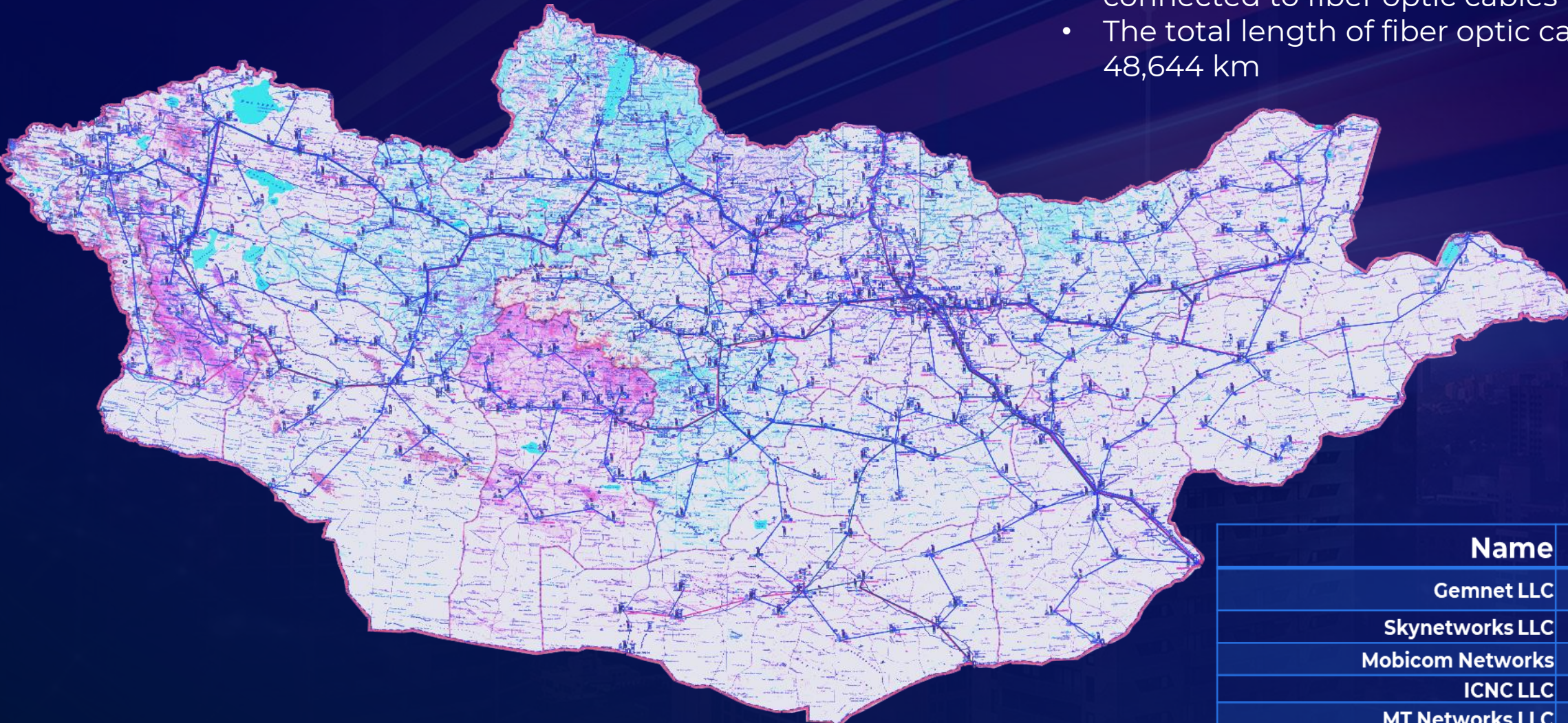
As a result of government policy, strategy and legal environment for ICT sector improved, and due to the newly created environment for liberalization, the sector has been developing rapidly into one of Mongolia's leading sectors.

Policy documents

- "Concept for the Development of Information and Communications Technology until 2010" (approved by the Parliament),
- "E-Mongolia" National program (approved by the Government 2005),
- High-Speed broadband National program (2011),
- e-Government National program (2012),
- Information and Communications Development Policy (2017)

FIBER OPTIC INFRASTRUCTURE IN MONGOLIA

- All Provinces and soums (325) are connected to fiber optic cables
- The total length of fiber optic cable is 48,644 km



Name	By 2022 (km)
Gemnet LLC	2,265
Skynetworks LLC	12,195
Mobicom Networks	12,895
ICNC LLC	19,548
MT Networks LLC	241
Iron tower LLC	133
Total length (km)	48,644

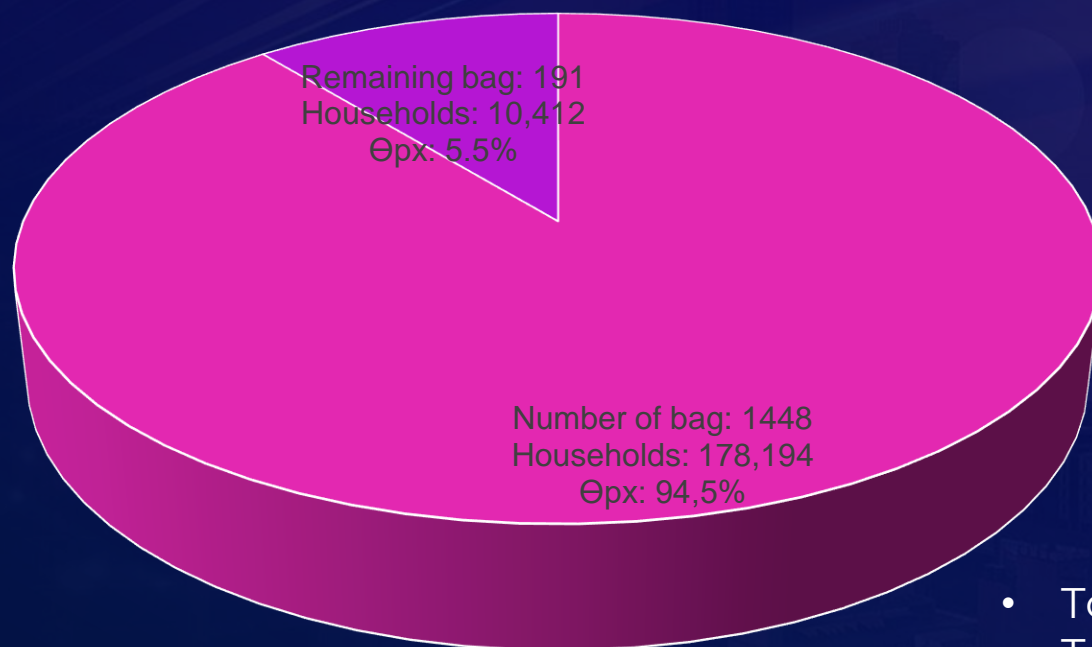
MOBILE NETWORK OPERATORS



	1996	1999	2006	2007
Launch service	1996	1999	2006	2007
Technology	GSM UMTS LTE	CDMA 2000-1x UMTS LTE	GSM UMTS LTE	CDMA 2000-1x UMTS LTE
Coverage	21 provinces 330 soums	21 provinces 330 soums	21 provinces 330 soums	21 provinces 330 soums
Market share	38.66%	17.04 %	33.84%	10.10%

UNIVERSAL SERVICE OBLIGATION FUND (USOF)

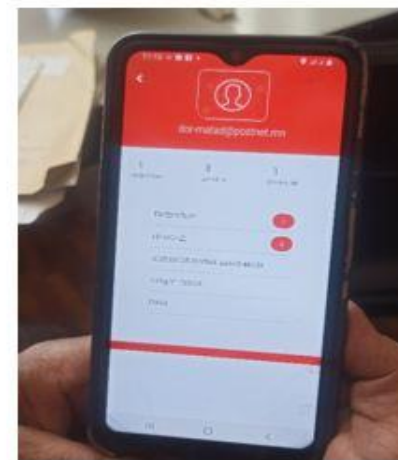
- The Universal Service Obligation Fund (USOF) (Art. 11) in the Telecom Law is consistent with the USO definition and specifies the purpose of the USOF is to accumulate and spend to "...deliver essential communications services to remote area and unserved population, establish, expand and upgrade networks;"



- Total 1639 bags
- Total herdsman family 178, 194

UNIVERSAL SERVICE OBLIGATION FUND (USOF)

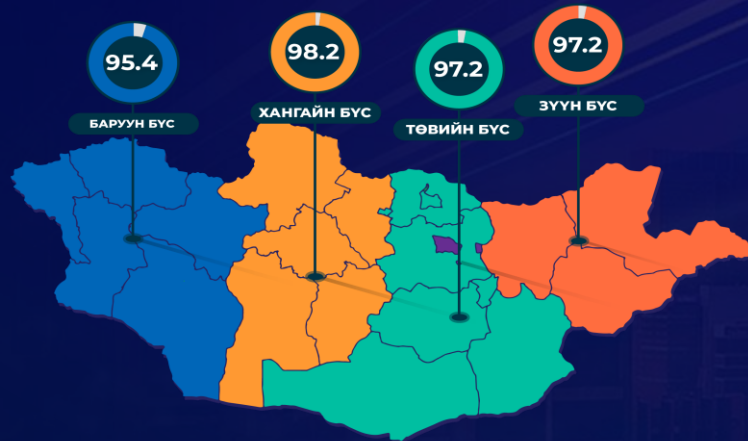
- Expand and upgrade mobile communication networks at **472 locations**
- Improve Internet services at **321 locations**
- Construction of one-point buildings, communication towers and fiber optic cable networks in **62 locations**
- Improving the quality and availability of postal services in **330 soums**



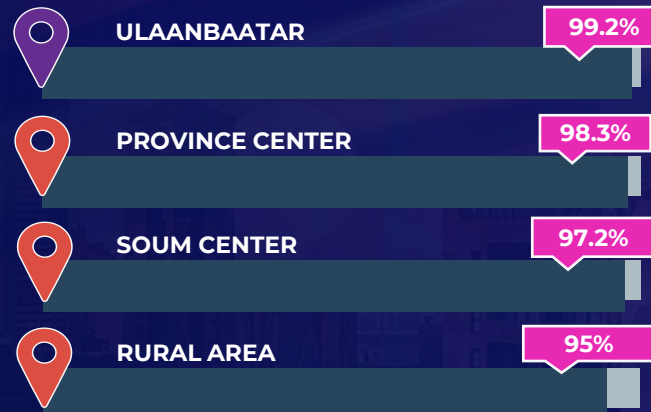
MOBILE SUBSCRIBERS in Mongolia

98 percent of Mongolian citizens over 15 years of age have used a cell phone in the last 3 months.

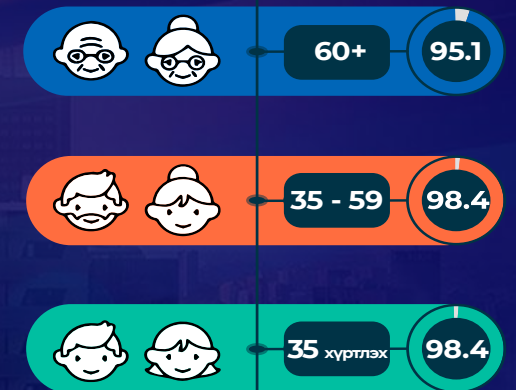
Area:



Location:



Age:



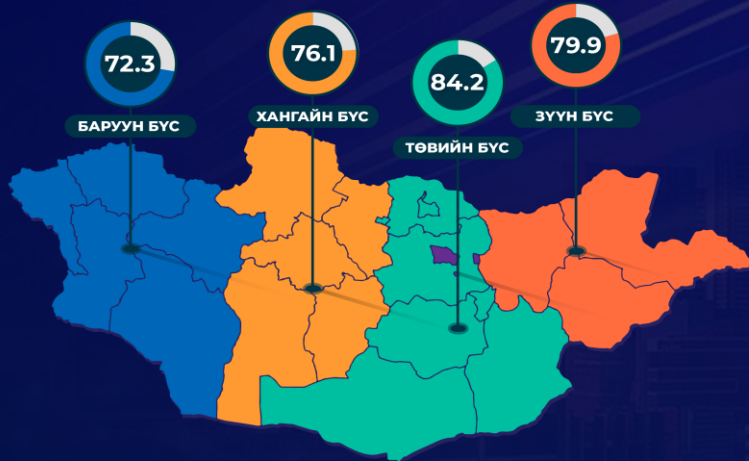
Total active mobile subscribers: **4.687 million, per 100 people 137%, World average 107%**

- 3G subscribers: **3,539,362**
- 4G subscribers: **2,809,592**

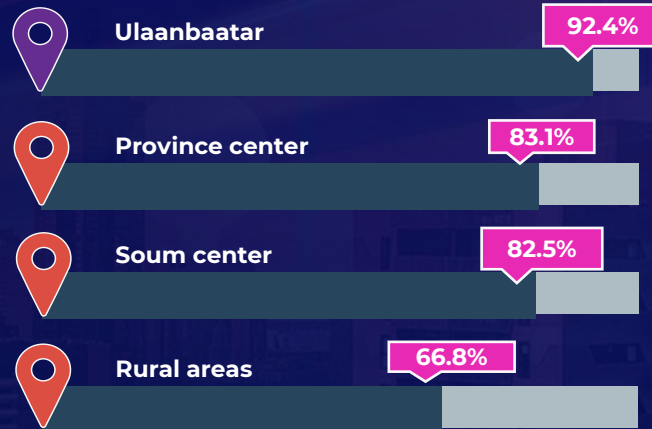
USAGE OF INTERNET

The majority of the Internet user's, **91.5 %** are receiving internet services using mobile broadband 3G and 4G/LTE technologies..

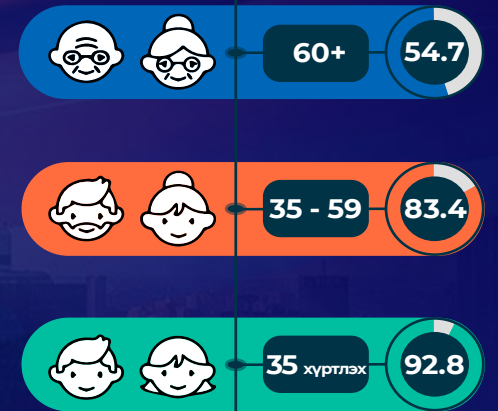
Area:



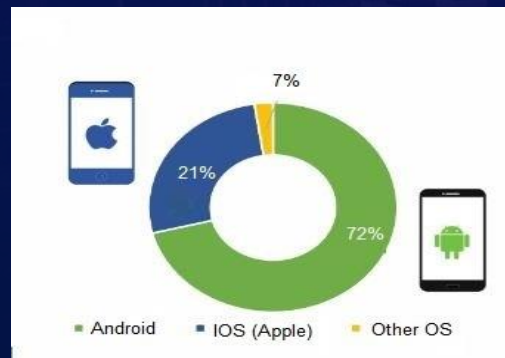
Location:



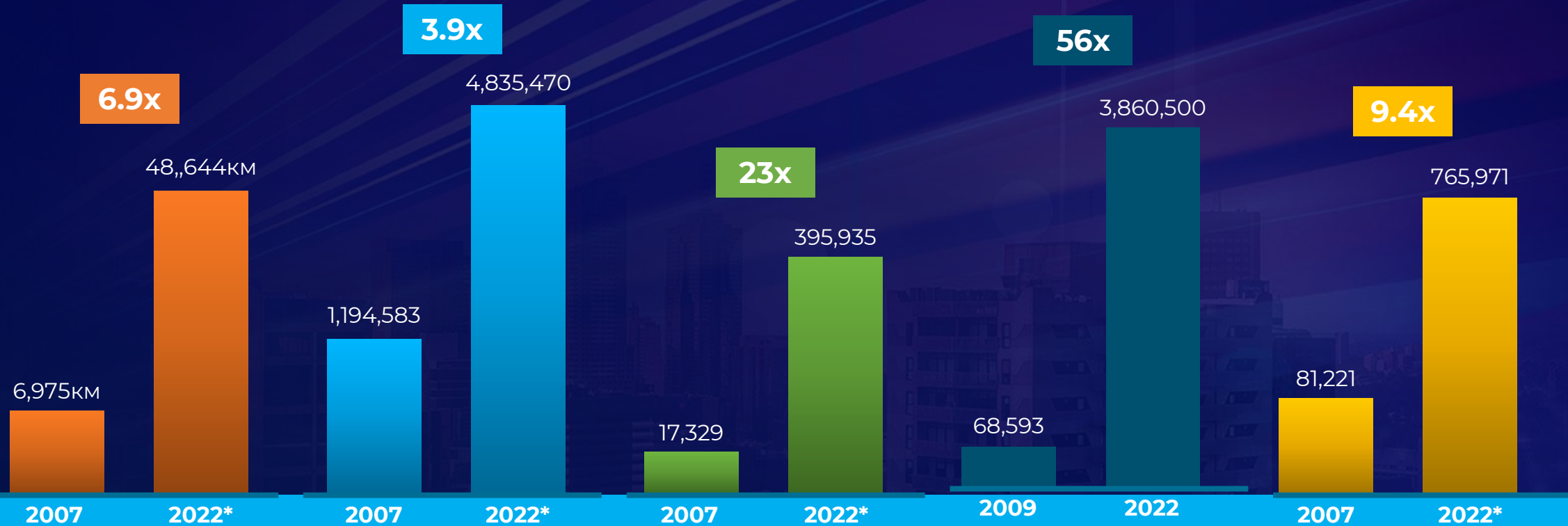
Age:



Smart phone users:



COMPARISON OF NUMERICAL INDICATORS OF INDUSTRY DEVELOPMENT (2007 vs 2022)



Backbone network



Number of mobile subscribers



Number of fixed broadband internet users



Number of mobile broadband users



Number of multi-channel users

ICT PRICE BASKET MONGOLIA, 2022

	(% of GNA per capita)	
	Mongolia	World average
Data only mobile broadband basket (2GB)	1.35	0.96
Mobile data and voice high-consumption basket (140min+70SMS+2GB)	1.88	2.32
Mobile data and voice low-consumption basket (70min+20SMS+500MB)	1.12	1.49
Mobile-cellular low-usage basket (70min+20SMS)	0.6	0.91

e-Governance

E-Mongolia platform

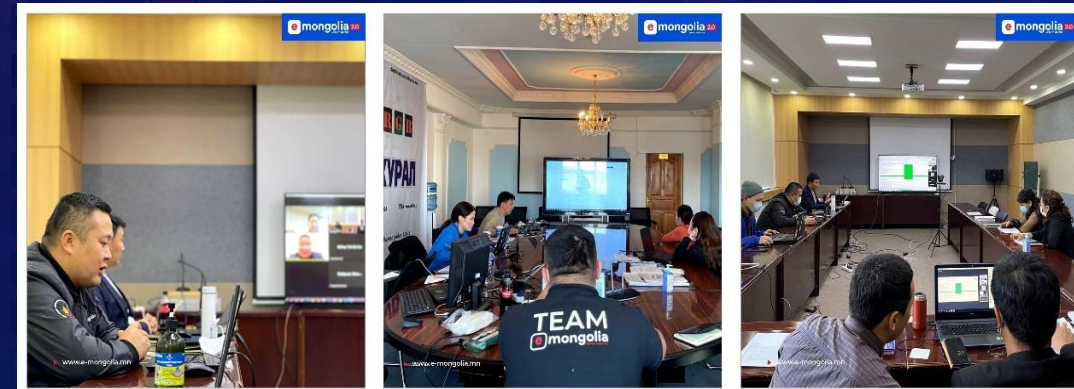
NUMBER OF ONLINE SERVICE PROVIDED THROUGH E-MONGOLIA

33.2 millions

83 Government entities

2000 services

1.6 million users



Source: Ministry of Digital development and Communications, 2023



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THANK YOU FOR YOUR ATTENTION
