

Current Status on Mongolian NREN – ErdemNet

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CULTURE, SCIENCE AND SPORTS, Secretary NREN
“ErdemNet”

Presented by Bilgee.N ICN of Mongolia

Outline

- Country overview
- NREN “ErdemNet” – Facts
- Current status:
 - Network changes
 - Organizational changes
 - Legal and financial issues
 - TEIN connectivity

Country overview



Area: 1.5 mln. Sq. km.

Geography: Lanlocked between Russia and China

Capital: Ulaanbaatar

Administrative units: 21 Provinces, 329 Soums

Population: 2.9 mln.(Jul. 2013)

Currency: Tugrik(₮)

1USD = 1870MNT

GDP: \$10.3 bln.(2012)

GDP growth: 12.2%(2012)

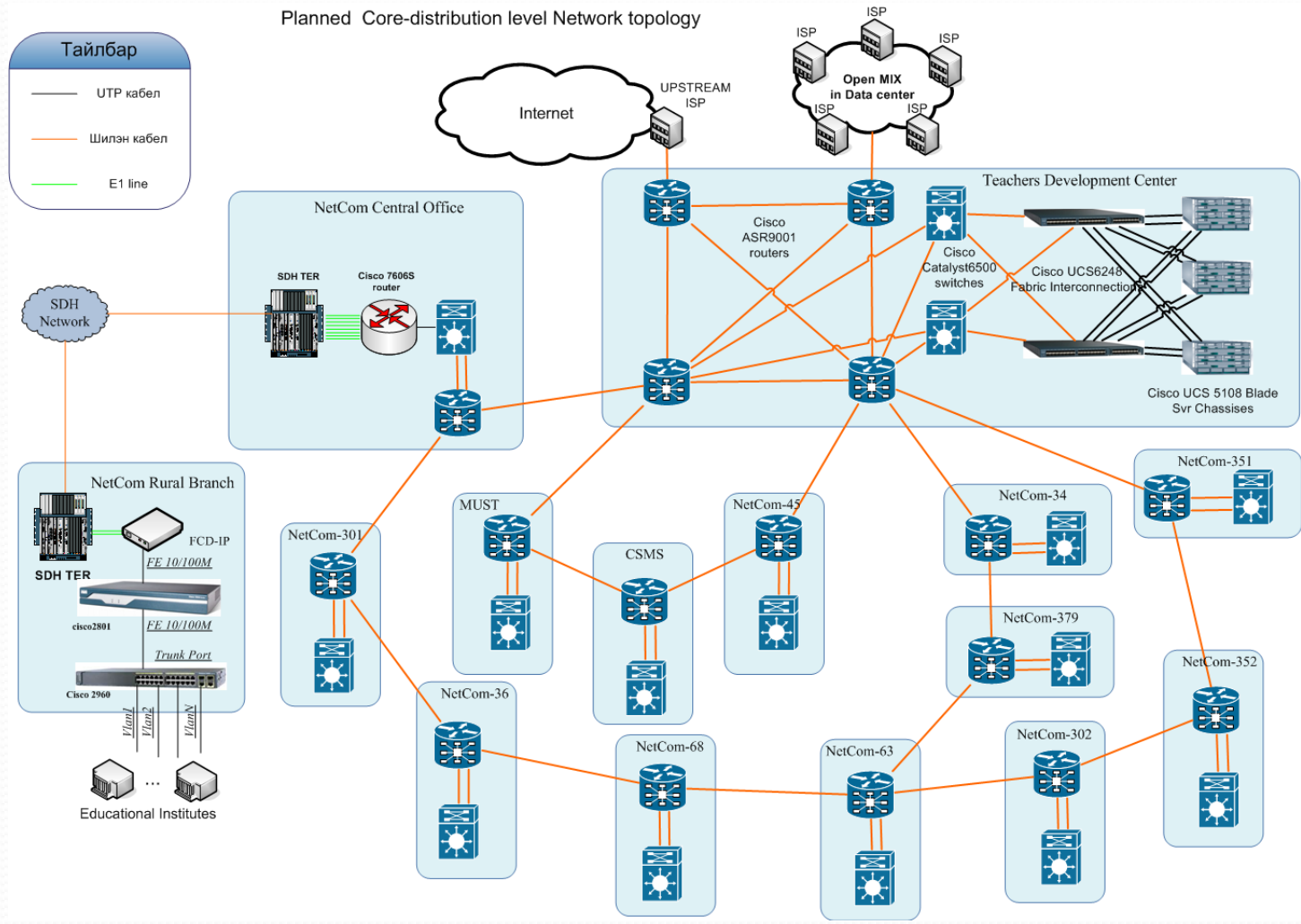
Inflation: 14.9%(2012)

Main industry: Mining, Agriculture

NREN “ErdemNet” - Facts

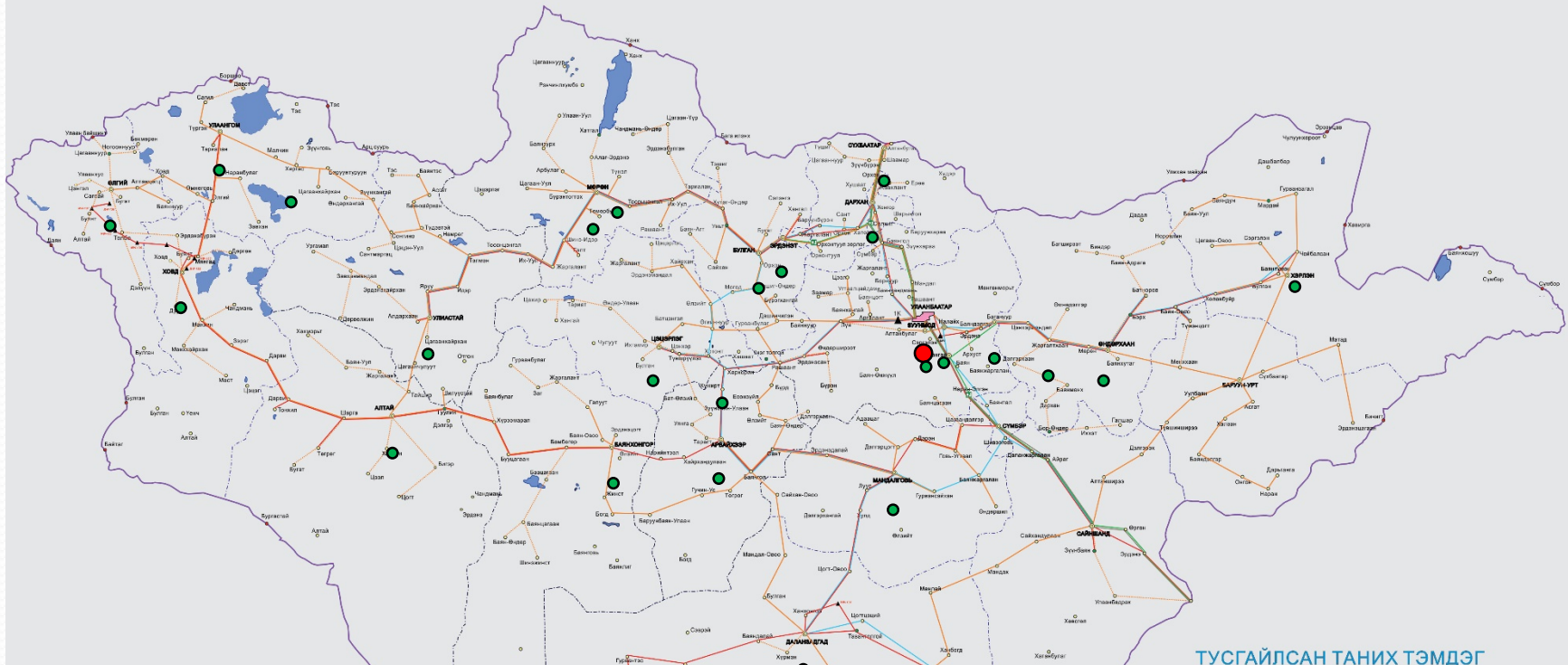
- **Establishment:** June, 2000. ADB loan project: “MON-1508: Education Sector Development Program(1997-2002)”
- **Mission:** Provide Internet services to Educational and Research Institutions
- **Name:** “ErdemNet” – Knowledge Network
- **NOC:** **Site 1 – Teachers Palace**, **Site 2: School of Business Administration and Humanities(MUST)**
- **Service license:** **ISP category “B”**
- **Coverage:** Ulaanbaatar + **Province centers(16 of 21)**
- **Total bandwidth:** 1G
- **Internet connectivity:** through GemNet(ISP category “A”)
- **Domain:** *.edu.mn zone

ErdemNet - Topology



Network changes – Country coverage

MONGOLIAN NETWORK BACKBONE



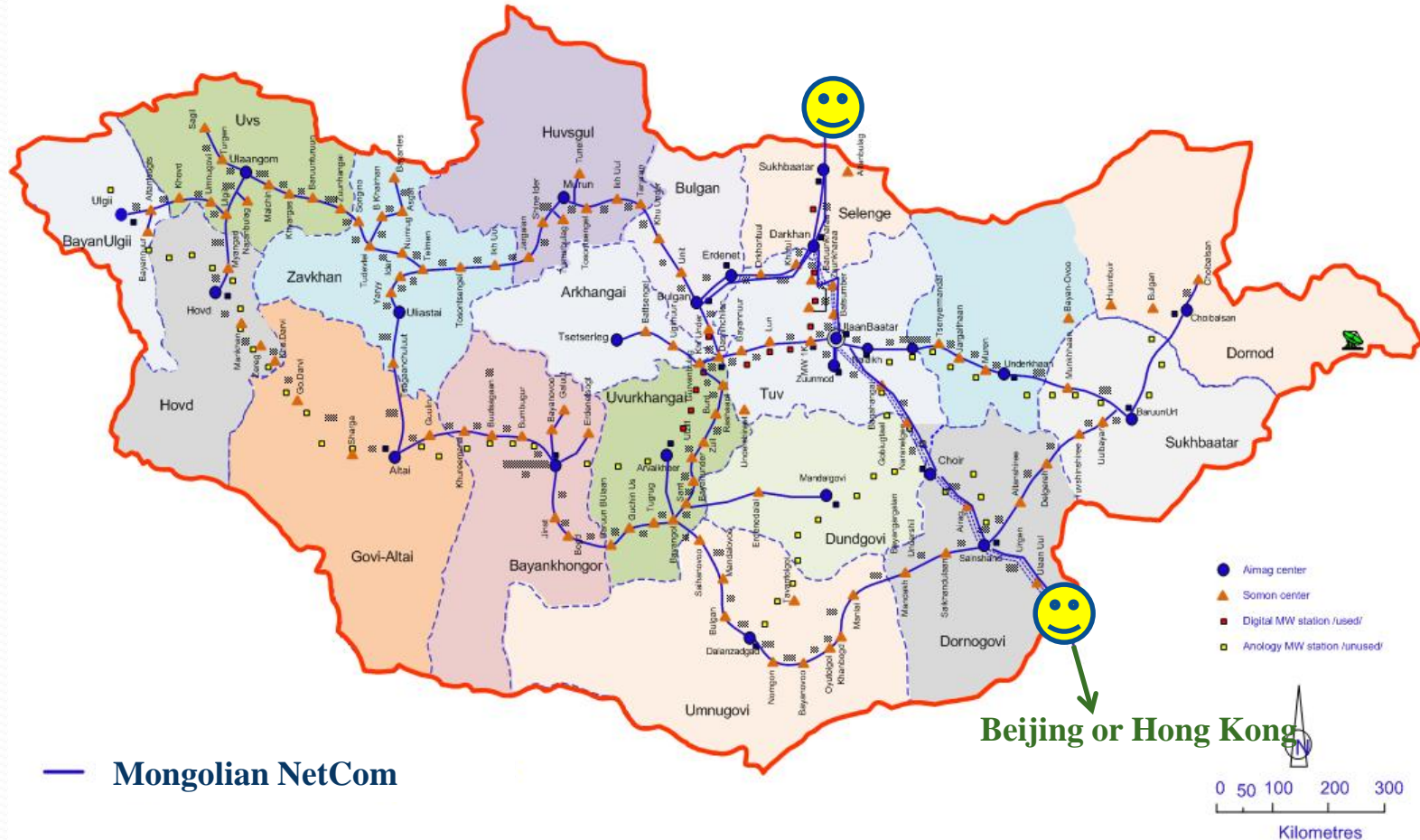
ТУСГАЙЛСАН ТАНИХ ТЭМДЭГ

1. New NOC in Ulaanbaatar
- ASR9001 router, Catalyst 6506E switch, 240KW Generator, 32KW UPS
2. Province 21 & Soum 312 centers



Mongolia TEIN connectivity

Mongolian NetCom Backbone Network as Bridge to TEIN



Mongolia TEIN connectivity ?

- Ministry of Education, Culture, Science and Sports will fully supports ErdemNet as NREN
 - New NOC
 - Education Data Center, ministry wide e-Learning content development
 - Technical support
- We had meetings in Operators, feasibility study quotation



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To: The European Commission and
The TEIN* Cooperation Center

For the attention of Mr. Lellis Braganza,
Principal Administrator,
European Commission, DEVCO H/2, Europe Aid,
Directorate for Asia, Central Asia & Pacific, B-1049
Brussels
and
Mr. Tae Hee Lee,
President,
121-912, TEIN* Cooperation Center, A-708, 7F,
DMC High-Tech Industry Center, 330,
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Letter of Intent

The Ministry of Education and Science (MEDS), intends to participate on behalf of the Government of Mongolia in TEIN4, which is being co-ordinated by the TEIN* Cooperation Center (TEIN* CC) on behalf of the European Commission (EC) and participating partners, and share the goal of fostering increased international research collaboration between Asia and Europe. We agree to continue supporting the TEIN programme both institutionally and financially as set out during the TEIN4 Project and Governors Meeting (Daejeon, South Korea, Aug. 2013).

We declare that the Education and Research Network – “ErdemNet” is representing our country in TEIN4 and has the support of the Ministry of Education and Science, which is represented by Mr. LUVSANJAMTS Lham and Dr. ERDENEBAATAR Altangerel as an alternate contact person.

Yours sincerely,

GANTUMUR Luvsannyam

**Mongolia is ready to join
to the TEIN4.**

Thank you