



Status and Prospect of Biosphere Reserves In DPR Korea

4th World Congress of Biosphere Reserves

March 14-19, 2016



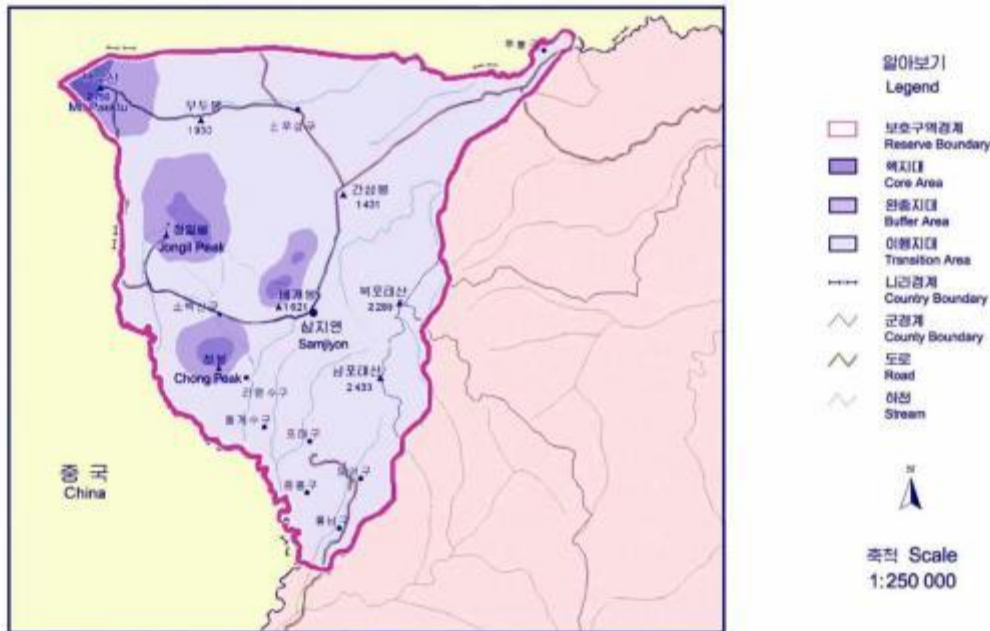
1. Registration

BRs in DPR Korea



Mt. Paektu Biosphere Reserve

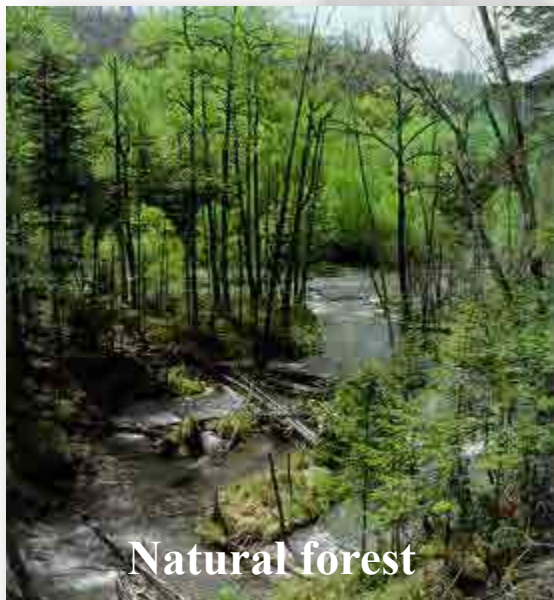
백두산생물권보호구 기능구획도
The Zonation Map of Mt. Paektu Biosphere Reserve



Registered in 1989

- Area
- Total: 132 000ha
- Core: 24 000ha
- Buffer: 36 000ha
- Transition: 72 000ha

Diverse Landscapes in Mt. Paektu BR



Mt. Kuwol Biosphere Reserve

구월산생물권보호구 기능구획도
The Zonation Map of Mt. Kuwol Biosphere Reserve



Registered in 2004

Area

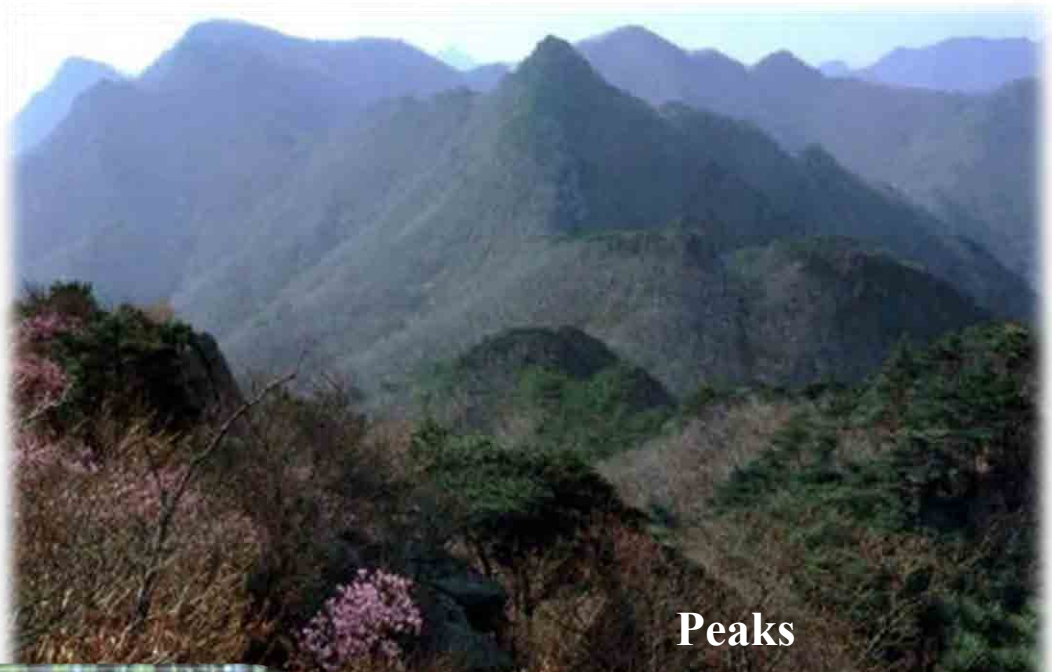
Total: 52 715ha

Core: 1 245ha

Buffer: 2 940ha

Transition: 48 530ha

Landscapes & Historical relics In Mt. Kuwol BR



Peaks



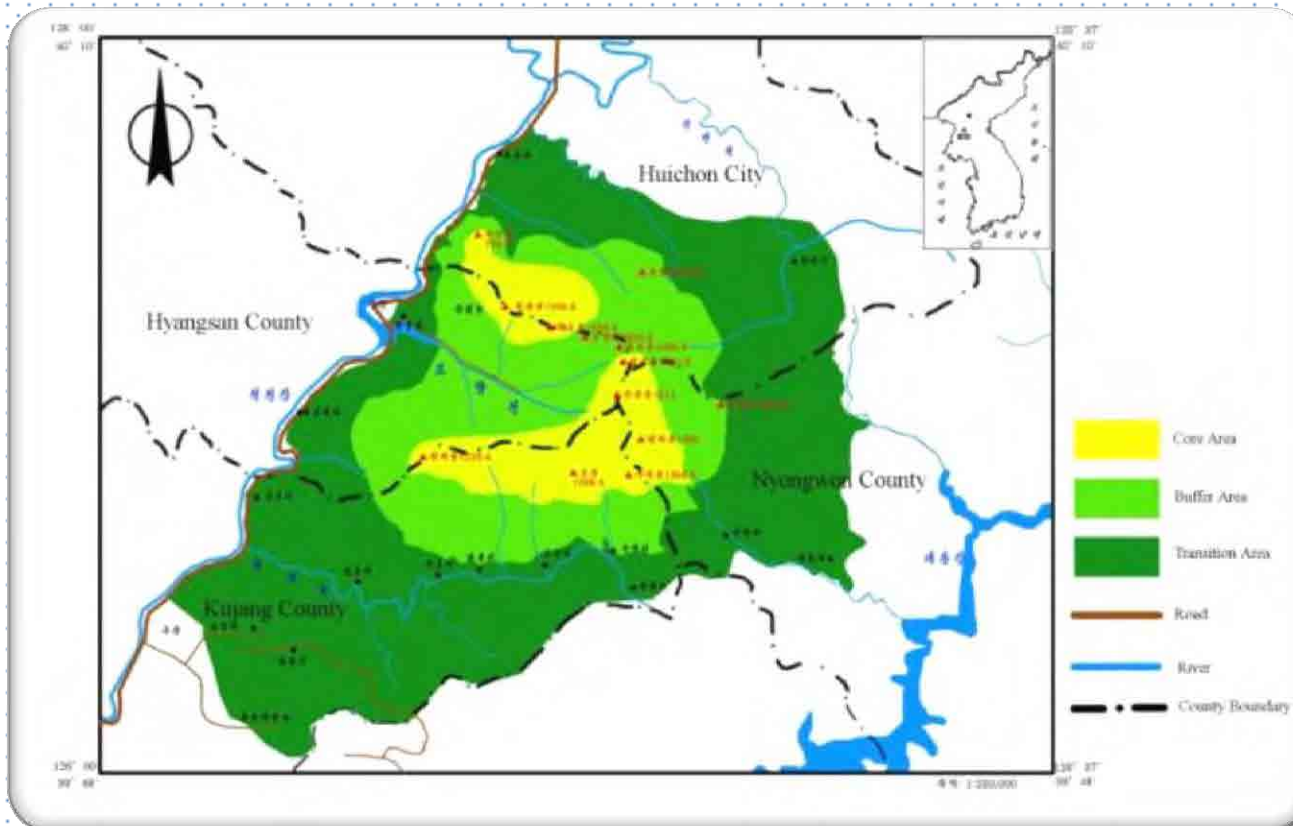
Vegetation of *Hylomecon vernalis*



Woljong Temple

Mt. Myohyang Biosphere Reserve

The Zonation Map of Mt. Myohyang BR



Registered in 2009

Area

Total: 74 501ha

Core: 9 682ha

Buffer: 19 050ha

Transition: 45 769ha

Landscapes & Historical relics In Mt. Myohyang BR



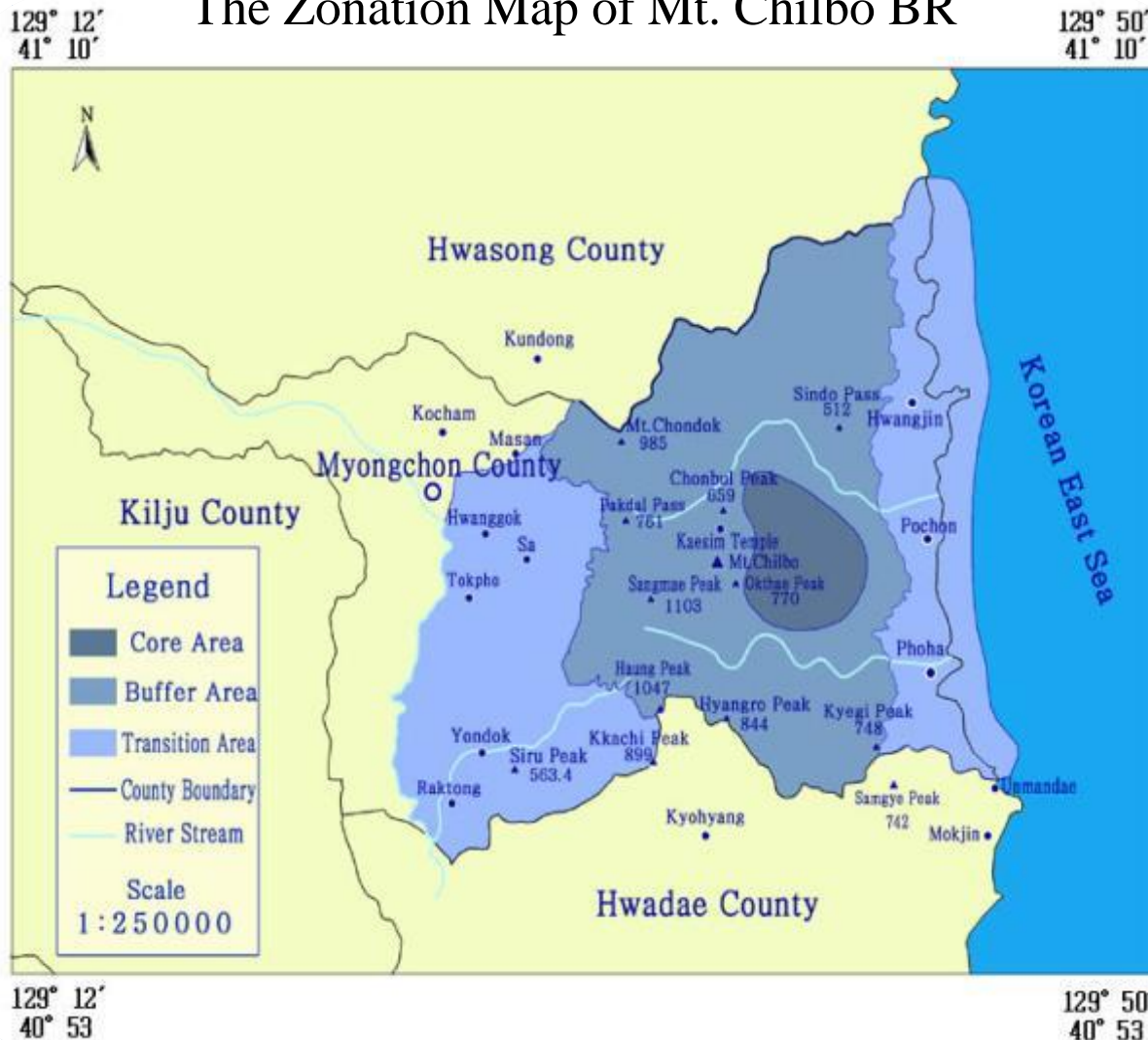
Pohyon Temple



Forest landscape

Mt. Chilbo Biosphere Reserve

The Zonation Map of Mt. Chilbo BR



Registered in 2014

Area

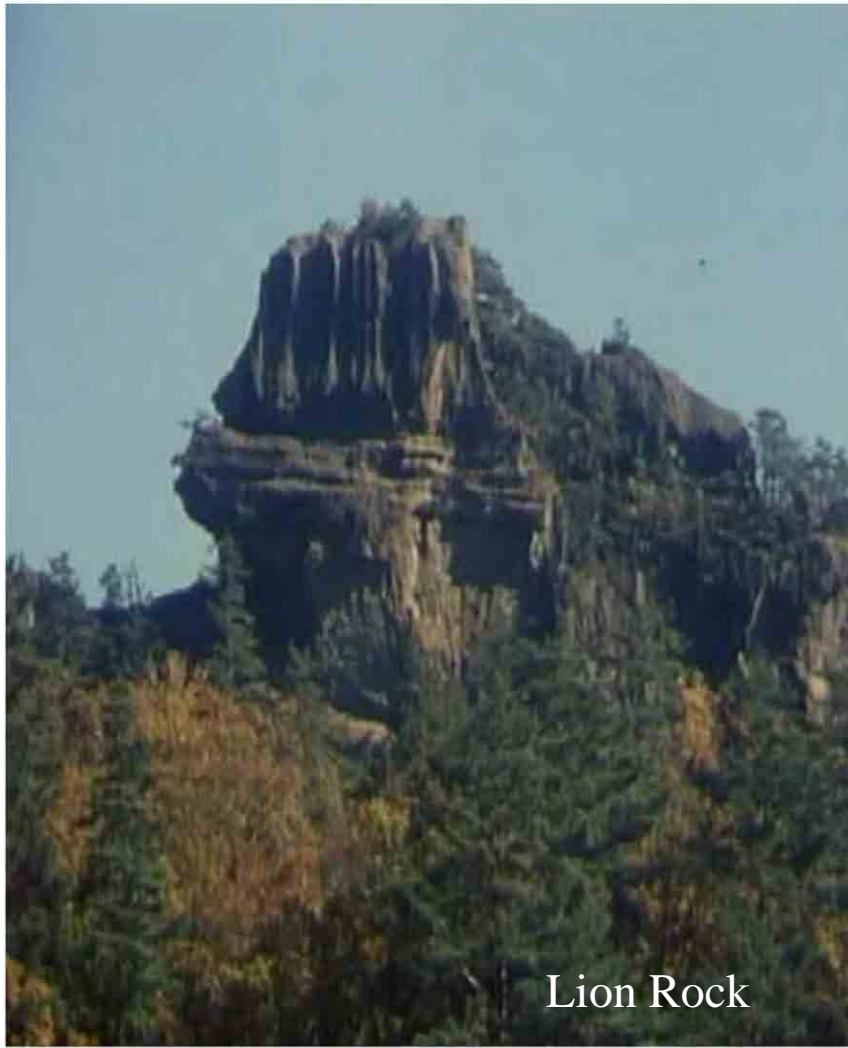
Total: 50 340ha

Core: 2 930ha

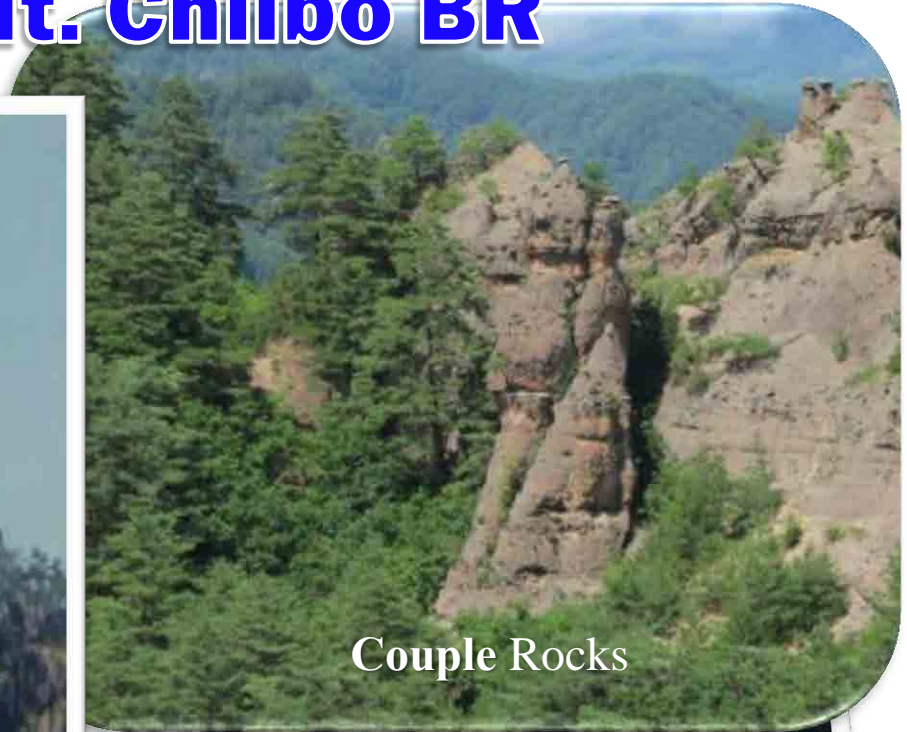
Buffer: 26 500ha

Transition: 29 910ha

Scenic spots in Mt. Chilbo BR



Lion Rock



Couple Rocks

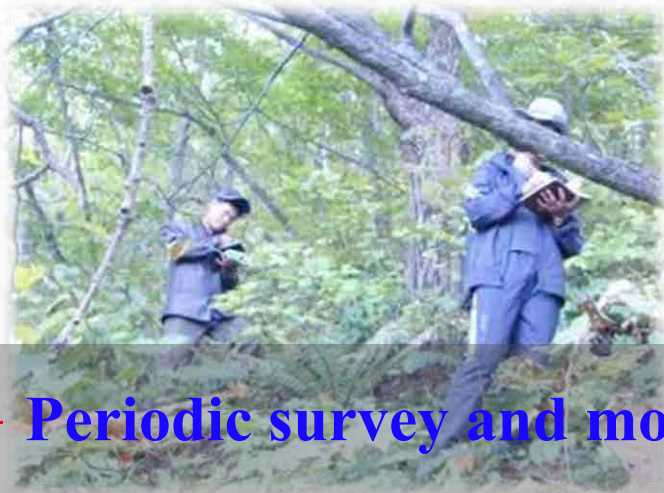


Kaesim Temple



2. Monitoring and Management

Field survey and monitoring on biodiversity



- **Periodic survey and monitoring on biodiversity**
- **Periodic reporting on BRs**
- **Developing and updating of management plan of BRs**
- **Establishment of monitoring networks**



Mt. Chilbo

Ensuring Sustainable Economic Development

- **Developing/updating plan / guidelines for tourism**
- **Introducing organic farming method**
- **Creating fire wood forest**
- **Ensuring sustainability of shallow-sea culture**

Expansion of BRs

✓ Registration of new BRs

-Prioriting nature reserves

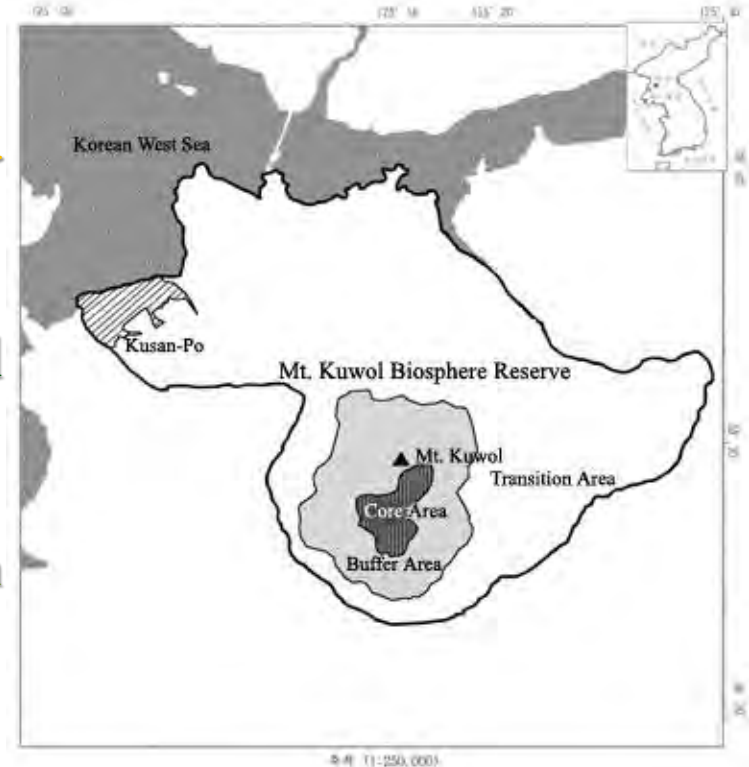
**Mt. Kumgang>Mt. Oga>Mt. Rangrim>
Kwanmo Peak.....**

-Selection of reserves worthy of BR

✓ Increase of BRs in area and function

-Increase in area of current BRs

-Linkage of possible eco-corridor between BRs



Public Awareness



- ✓ Publication of books and e-books
- ✓ Creating of forms and opportunities
- ✓ Training especially for young generation

3. Preparation for registering new BR



Mt. Kumgang

Famous

in Korean peninsula
and
also across the world

Possible 5th BR in DPR Korea

Diversity in ecosystem



Inner Kumgang



Outer Kumgang

Mountainous Ecosystem

With about 100 high peaks and 670 scenic spots

Sea Kumgang



Sea Cucumber



**Marine and
Coastal
Ecosystem**



Lagoon Samil

One of 8 scenic spots in Kwandong district



Sason Pavilion

Inland water Ecosystem

Rich Species Diversity

- **Higher plants of 1228 species**
291 of which comprise different genera,
covering 54.5% inside the area and 14.4% in our country
- **Vertebrate animals of 258 species**
42 of which are rare/endangered

For lots of endemic species, Mt. Kumgang has

- ✓ Own originality
- ✓ Critical significance in scientific research
- ✓ Key in the conservation of biodiversity

Legal framework for national protection

- ✓ **Designated**

as a national scenic spot on April 29, 1946

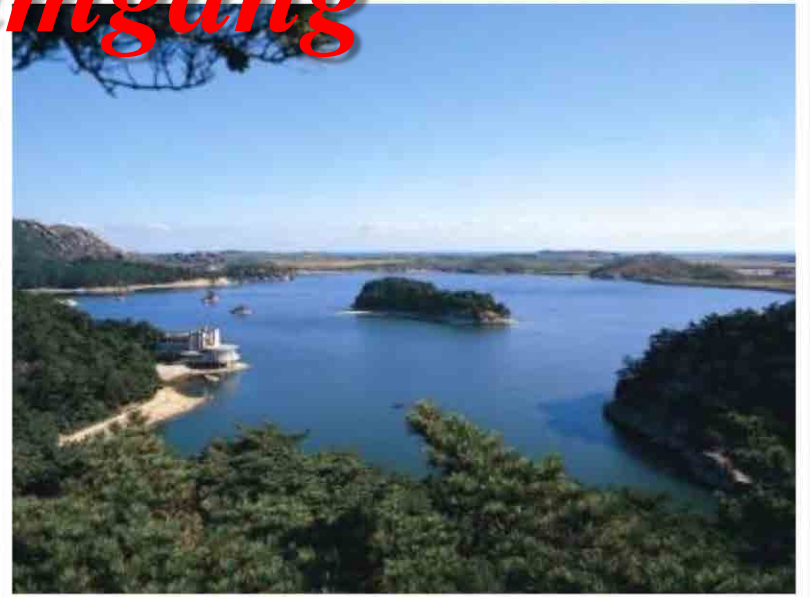
as a natural park according to the Decision №55 of the Cabinet on Oct. 2, 1976

- ✓ **Expanded to 47 838ha according to the Ratification № 1063 of the Cabinet on June 17, 2003**

Development in Mt. Kumgang Area



Tourism in Mt. Kungang



Major spots for Tourism *in Wonsan-Mt. Kumgang International Tourist Zone*



Wonsan City



Masikryong Ski Resort



Lake Tongjong



Lake Sijung



Sokwang Temple



Chongsok Pavilion

One of 8 scenic spots in Kwandong district



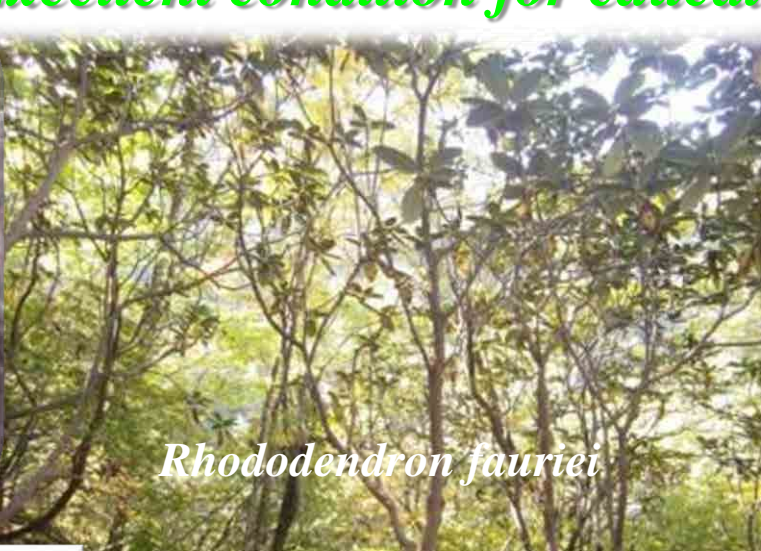
Ulrim Fall

Logistic function

Rich biodiversity,
Excellent condition for education



Keumkangsaniasia asiatica



Rhododendron fauriei

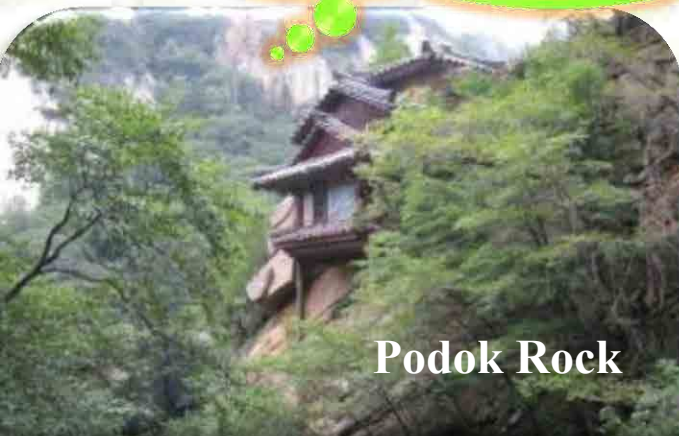


Codonopsis pilosula



Mushromms

Historical relics



Podok Rock

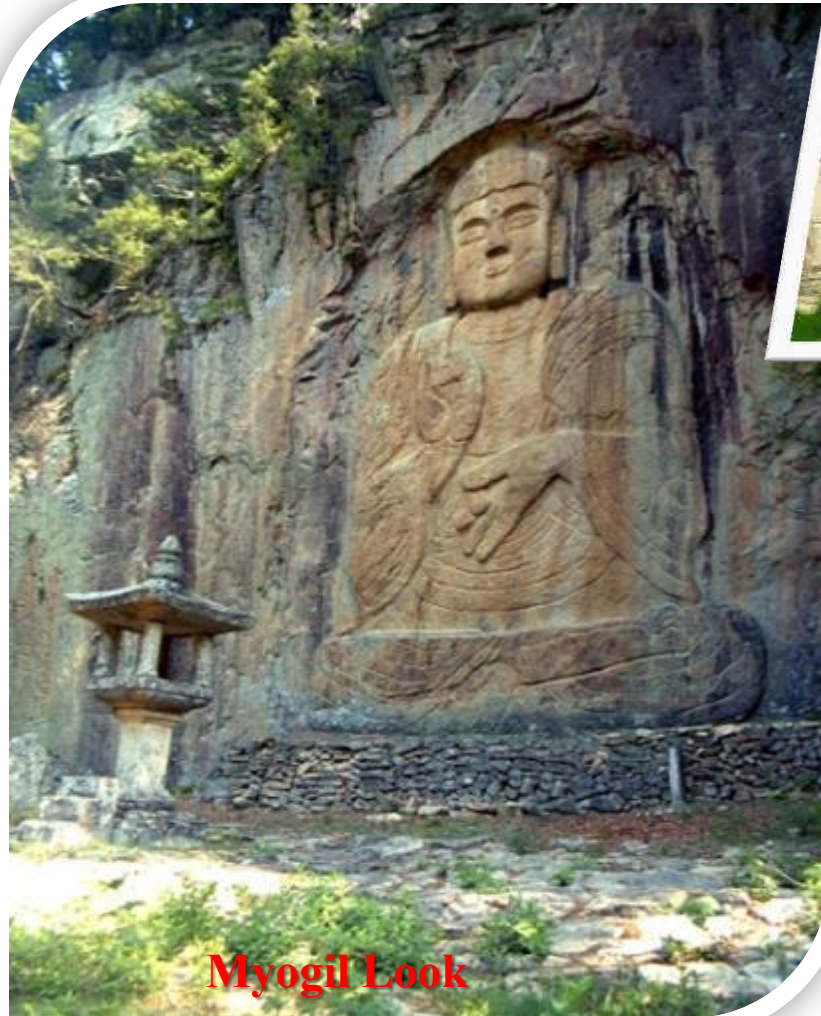


Jonghyang Temple



Pyohun Temple

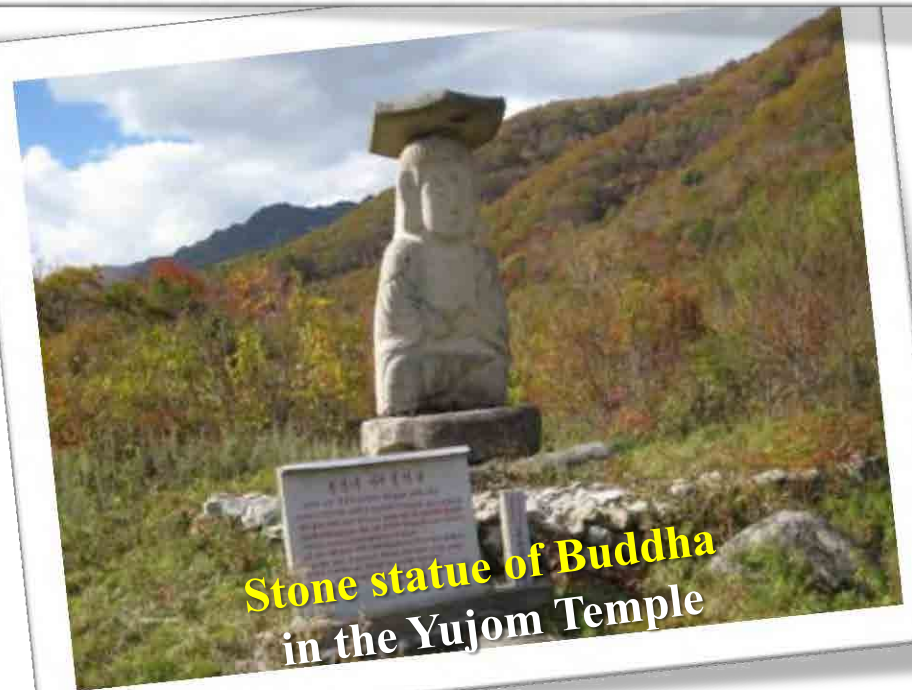
Historical relics



Myogil Look



Sambul Rock



**Stone statue of Buddha
in the Yujom Temple**



Thank you!