





## Mid-term meeting report to "Creep of Geomaterials"

Fan Yu



**State Key Lab of Frozen Soil Engineering** 



Cold & Arid Regions Env. & Eng. Resch. Institute Chinese Academy of Sciences

# Agenda

- 1. About myself
- 2. What I have done during Ph. D period
- 3. What I am doing and will do in NGI

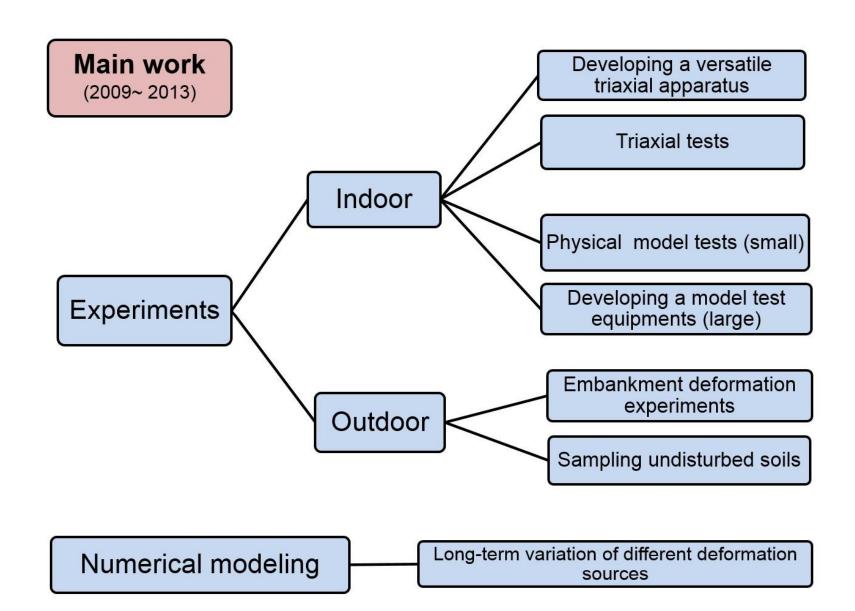
# 1. About myself



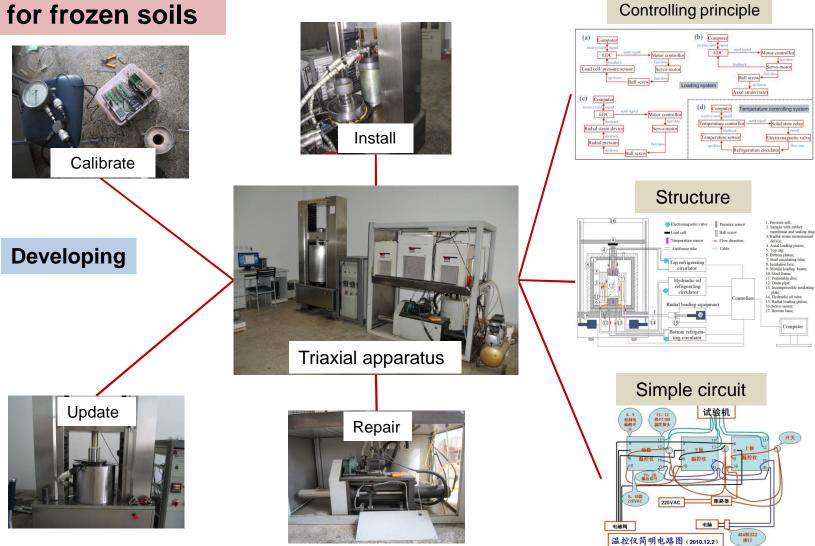
- Ph. D. on Geotechnical Engineering, University of Chinese Academy of Sciences (08~13)
- B.Eng. on Civil
  Engineering, Xi'an
  University of Science
  and Technology (04~08)



# 2. What I have done



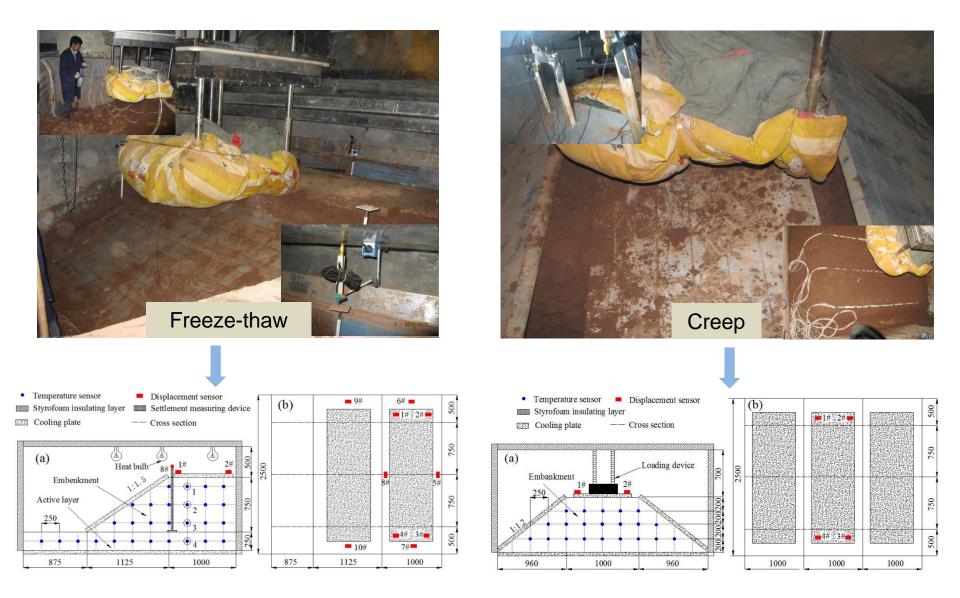
# Triaxial apparatus for frozen soils



**Triaxial tests:** CSR; Constant temp.; Constant stress; k<sub>0.....</sub>

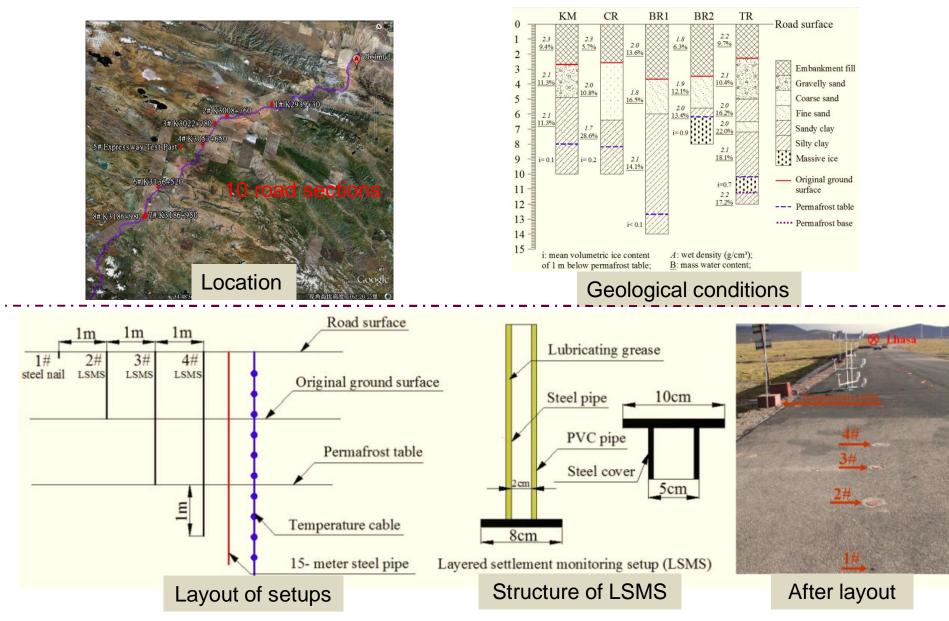
Xiaoliang Yao, Jilin Qi, **Fan Yu**. Ling Ma. A versatile triaxial apparatus for frozen soils. Cold Regions Sciences and Technology, 2013, 92: 48-54;

### **Embankment model tests**

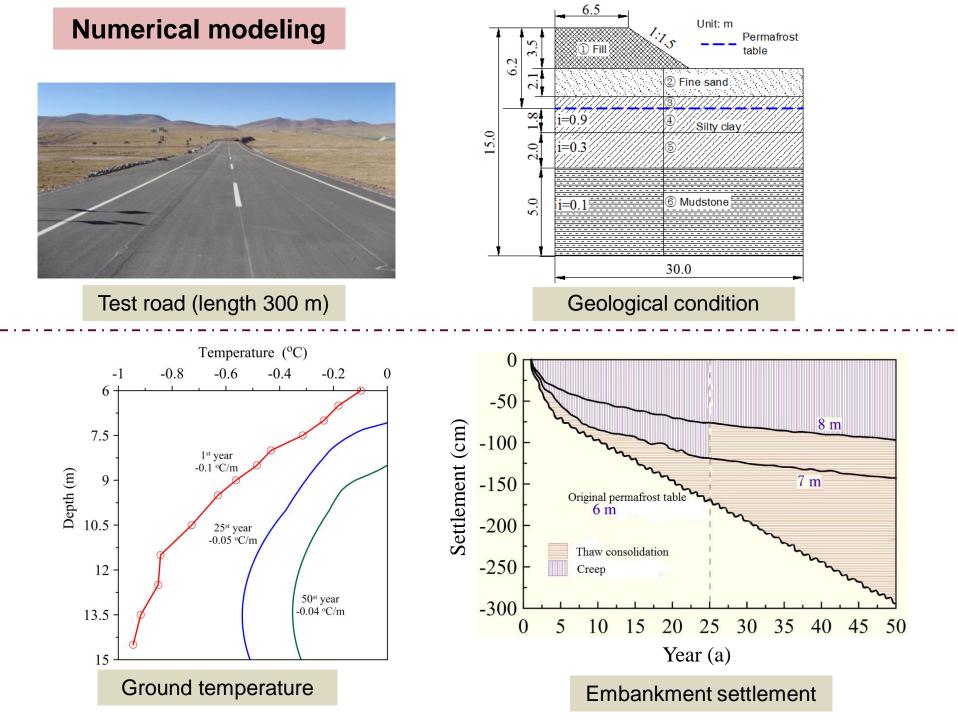


*Fan Yu*, Jilin Qi, Xiaoliang Yao. Analysis on the settlement of roadway embankments in permafrost regions. Journal of Earth Science, 2013.(In press)

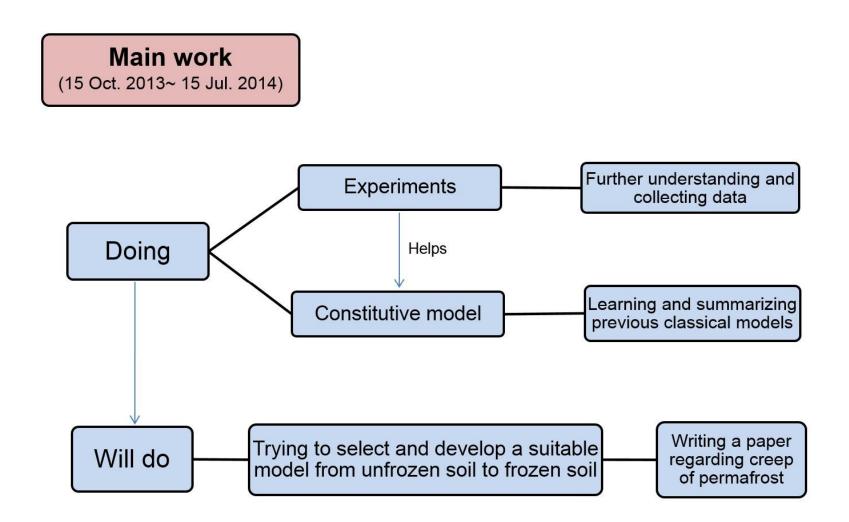
### Field tests: embankment deformation



*Fan Yu*, Jilin Qi, Xiaoliang Yao, Yongzhi Liu. In-situ monitoring of settlement at different layers under embankments in permafrost regions on the Qinghai-Tibet Plateau, Engineering Geology, 2013,160:44-53.



## 3. What I am doing and will do in NGI



# Thanks !