# The Train Of Thoughts And Methods Of Prediction
## To The Time, Place And Magnitude Of Strong Earthquake
### (The Examples Of Two  Accurate Predictions)

(Abstract)

Kunming Earthquake Office

Senior Engineer Jin Huai

## A. Introduction

Seismic prediction,ESP short-period (ahead several months) and imminent (ahead several days) prediction is now far from  solving in the world. while, the level of seismic research and exploration have a direct bearing on the earthquake relief results. That is ,suppose the rate of accuracy is raised, it  will reduce the wounded and dead and property losses. And this   is also our goal and the best achievement of predictions. In  the years' research and practice, in order to accomplish   seismic short-period and imminent predictions that are valuable  and socially beneficial, the following is our main train of thoughts  and methods:

1. To combine long with short—to combine  earthquake  activities  in long time with forewarning information, in recent and short time,  and to carry on analysis, to take long materials as background and short materials as breakthrough......

2. To combine big with small on region— to take  earthquake  activities within the range of seismic belt and related   information as background to combine with observation information of some certain sesmic stations. That is, to fill information from   seismic stations in the blanks, to complement and demonstrate each  other, so as to narrow the range and find the goal of fraught  earthquake......

3. To combine inside with outside—besides observation,collection, conduction  and analysis  of  related  information  from  crust  lithosphere  hydrosphere and atmosphere. we  need  to  analysis  the  effects  of related space physical fields' change.  We  should  not  ignore the influence that several physical factors in space have on  inducement and restriction of earthquake.

4. To combine active with stable—We not only need to  handle and   apply some formed  historical  seismic  materials  and  related   experience, but also need to notice and apply present obtained dynamic information.And  we  should  do  our  best to  remove  the  interfering  composition in the dynamic change, and to analysis the reason  of  change, to  find  the  related  relations  about  earthquake's happen.This is one of main foundations to make  a  prediction decision.

In the course of research on earthquake prediction, a scientific hard problem in the world only the verified actual earthquake results can judge our understanding level and the   degree of understanding we have on the earthquake.