

Study on optimal allocation of water resources in Songnen Plain

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Objectives

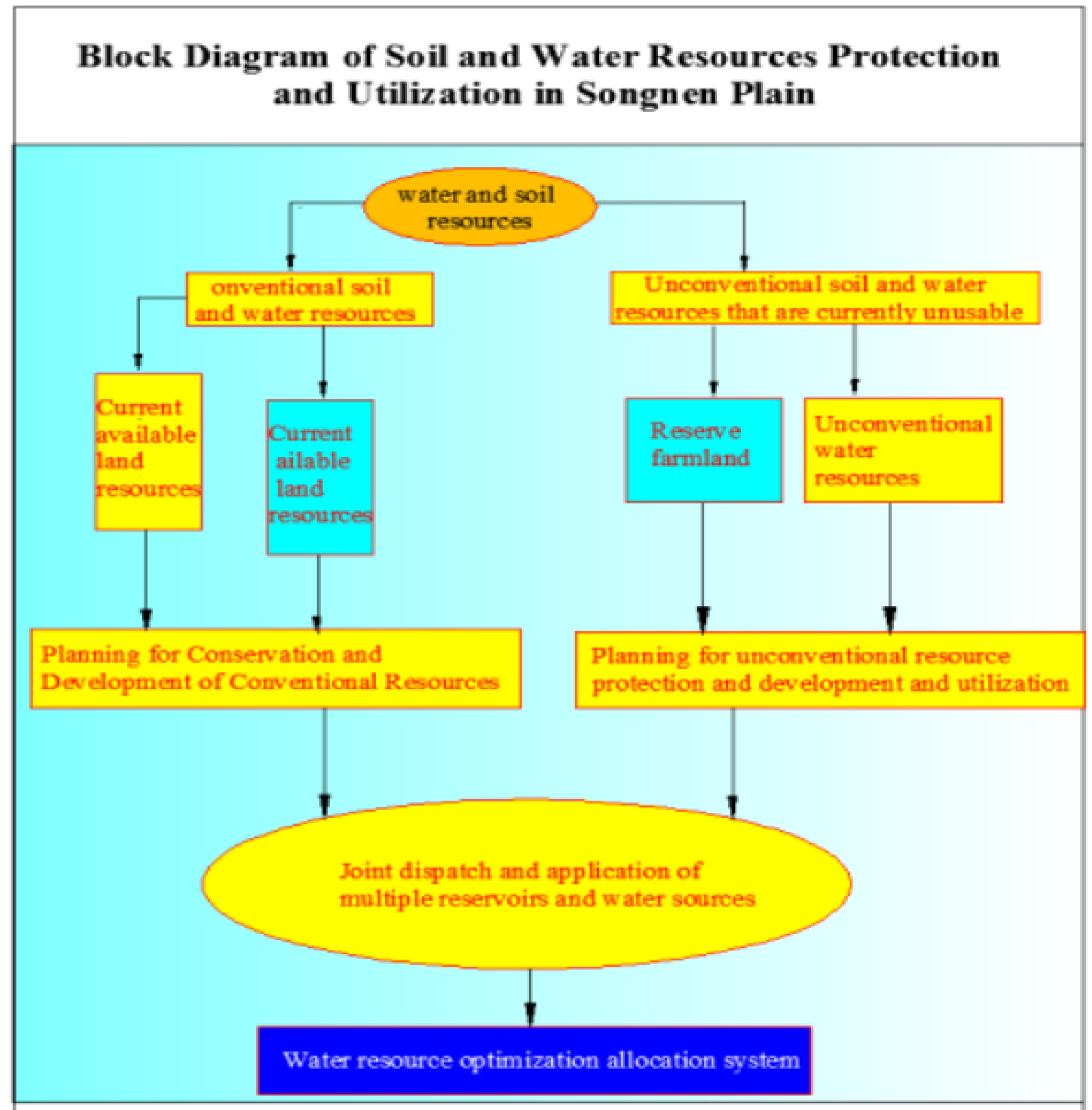
Songnen Plain is an important part of the old industrial revitalization base in Northeast China, It is a relatively developed area and a major grain production area in Heilongjiang Province, This area belongs to low rainfall area, The contradiction between supply and demand of water resources is prominent. We should take measures such as protecting water resources, saving water resources, unified management, trans-regional water transfer, increasing scientific and echnological input, We will optimize the allocation of water resources, ensure ecological and food security and accelerate economic development.

Methods

Based on the investigation and evaluation of water resources and their development and utilization in Songnen Plain, the situation of water resources demand is analyzed, the water resources supply in Songnen Plain is forecasted, and measures for water resources conservation and protection are proposed, to carry out water resources allocation simulation and allocation plan for Songnen Plain.

Results

We will improve Songnen Plain's water resources allocation, achieve interconnection and regulation of water resources, promote scientific and rational water allocation, optimise water use and provide water with different quality, and comprehensively enhance our overall capacity in water resources allocation, we will improve water supply security and risk resistance in water-scarce areas.



Conclusions

we must carry out the project design by scientific means and realize the water resources allocation with the minimum economic cost

