**Project overview**

- Advanced Zud prediction
- Escape from Zud
- Development freeze storage system using renewable energy
- Legislation for green development
- Regulation livestock based on carrying capacity
- A proper management of storage system
- Economic effect for adaptation and development

- Information for adaptation and mitigation in grassland

- Development for Zud forecast
- Prediction of meat trade volumes under using Zud forecast
- Development MRV method for $CO_2$ reduction effect with freeze storage
- Development MRV method for $CO_2$ reduction using GOSAT-2
- Absorption $CO_2$ in grassland Monitoring for $CO_2$ inventory

- Model demonstration of green development and economy
- Promoting JCM