

# Water use efficiency response of plant communities to drought in different growing periods in alpine meadow

**Guozheng Hu**, Qingzhu Gao, Hasbagan Ganjurjav, Wenrong Luo, Zixin Wang, Huihui Liu

**Institute of Environment and Sustainable Development in Agriculture, Chinese Academy of Agricultural Sciences**

[huguozheng@caas.cn](mailto:huguozheng@caas.cn)



# WHY?

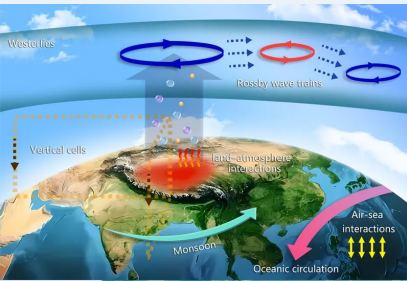
# HOW?

# WHAT?

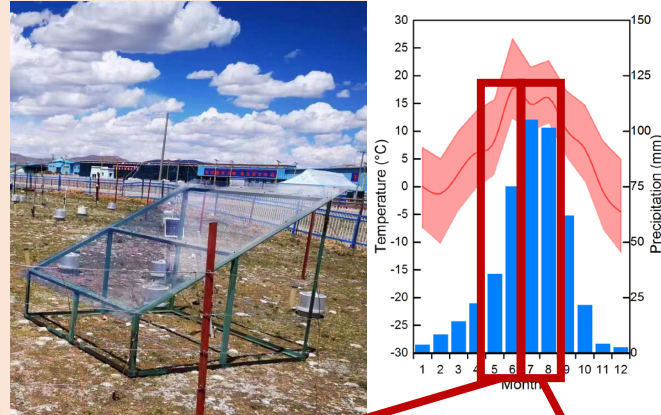
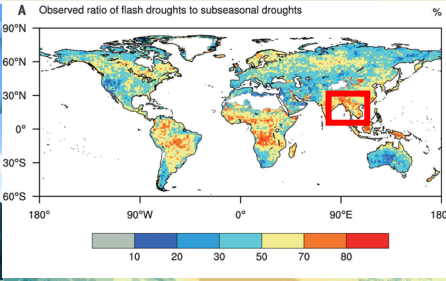
## Alpine grassland on Qinghai Tibet Plateau

## Manipulative experiment on seasonal drought events

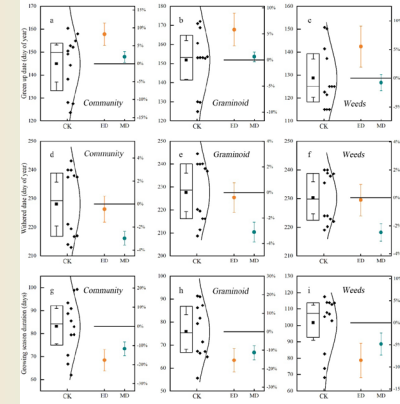
### Global atmospheric circulation



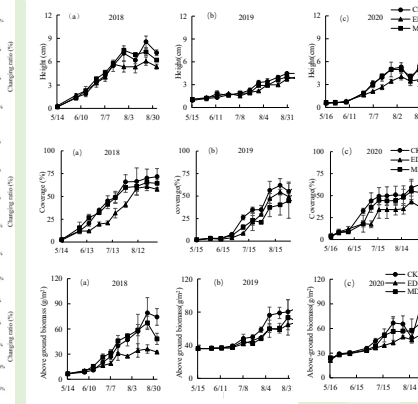
### Drought events under climate change



### Phenology



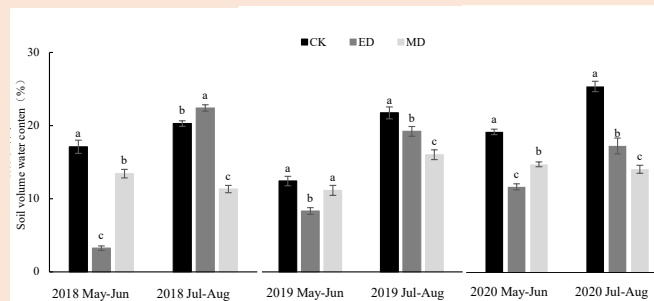
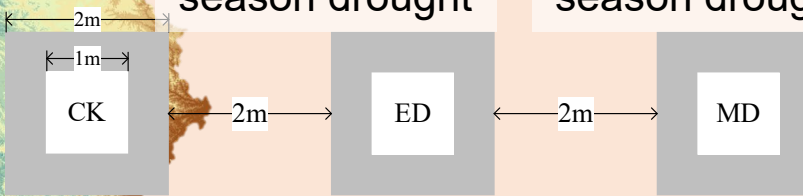
### Growth



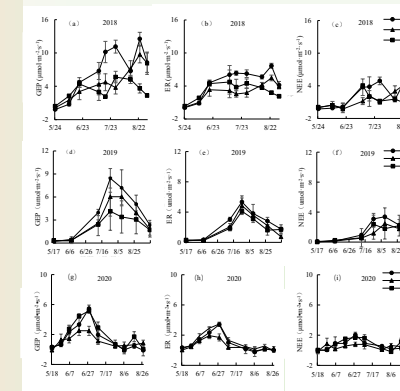
## Ecosystem services

### Early growing season drought

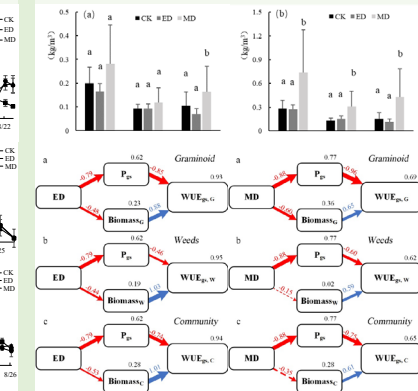
### Middle growing season drought



### Carbon exchange



### WUE



**Thanks for your attention!**

