SHui will validate strategies to manage water scarcity in European and Chinese cropping systems. Using a suite of technologies and tools developed and validated during the project, SHui will work with stakeholders (individuals and organizations) to make informed decisions on the best use of soil and water resources.

**Multi-disciplinary research**

Working within cognate cropping systems across the EU and China, the SHui consortium combines expertise across multiple disciplines including agronomy; irrigation technology; digital agriculture; hydrology; soil and water conservation; remote sensing; plant physiology; soil science and socio-economics.
Cropping System Focus

Both continents
Cereal-based crop rotations
Irrigated or rainfed tree crop production

China
Irrigated summer vegetable production
Alternate wetting & drying of rice

Action Orientated Deliverables

SHui will:

- Provide strategies validated in a broad range of field conditions, starting from a network of long-term experiments.
- Develop and demonstrate a methodology for use by regional policy makers in SHui study areas, by upscaling crop and hydrological model analysis from small to large scales.
- Deploy user-friendly decision making tools, incorporating social and economic considerations.
- Deliver and test strategies for stakeholders that increase resilience of cropping systems under extreme weather events and climate change.