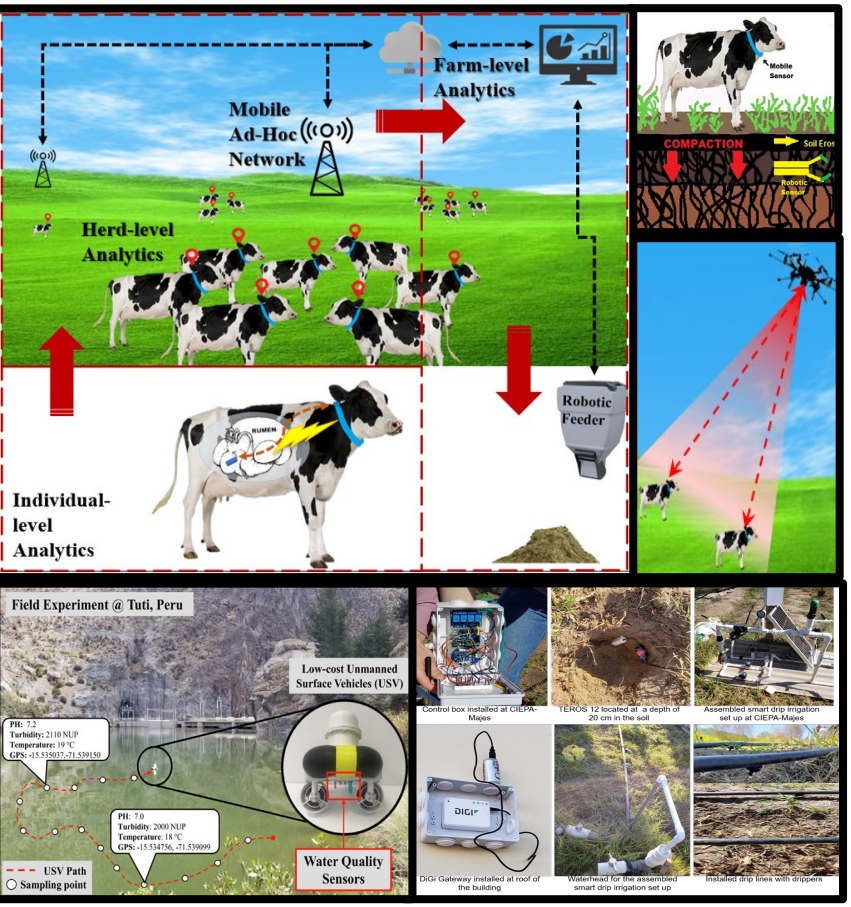
CYBER-ANIMAL SYSTEMS



MISSION

While precision crop agriculture technologies have helped increase sustainability through enabling reduced inputs, increased productivity, and improved capacity to combat environmental and biological stresses, equivalent growth in cyber-enabled approaches to research into sustainable animal systems has not occurred. The faculty in this research cluster work to combine research into the environmental impacts of animal systems and appropriate and environmentally aware sensing and technology development. Results of this work can lead to the development of innovative policies, tools, sensors and cyber systems that may reduce the rate of greenhouse gas production; ameliorate contributions to antibiotic resistance; optimize land and water use; and increase productivity of animal systems.