Development of the High Plains Grasslands Alliance web-based knowledge portal

Over the last year we have developed the High Plains Grasslands Alliance web-based knowledge portal, which is where the climate data visualization tool resides. This portal was created to provide a user-friendly way for producers and other users to access information relevant to rangeland health and management. The map interface uses the ESRI ArcGIS online web-portal technology to help organize and share information internally and with the public. It is hosted by ESRI through New Mexico Highland University's ArcGIS Online account. The beta version of the map portal has received several rounds of feedback from the producers involved with this project and final revisions are currently being made.

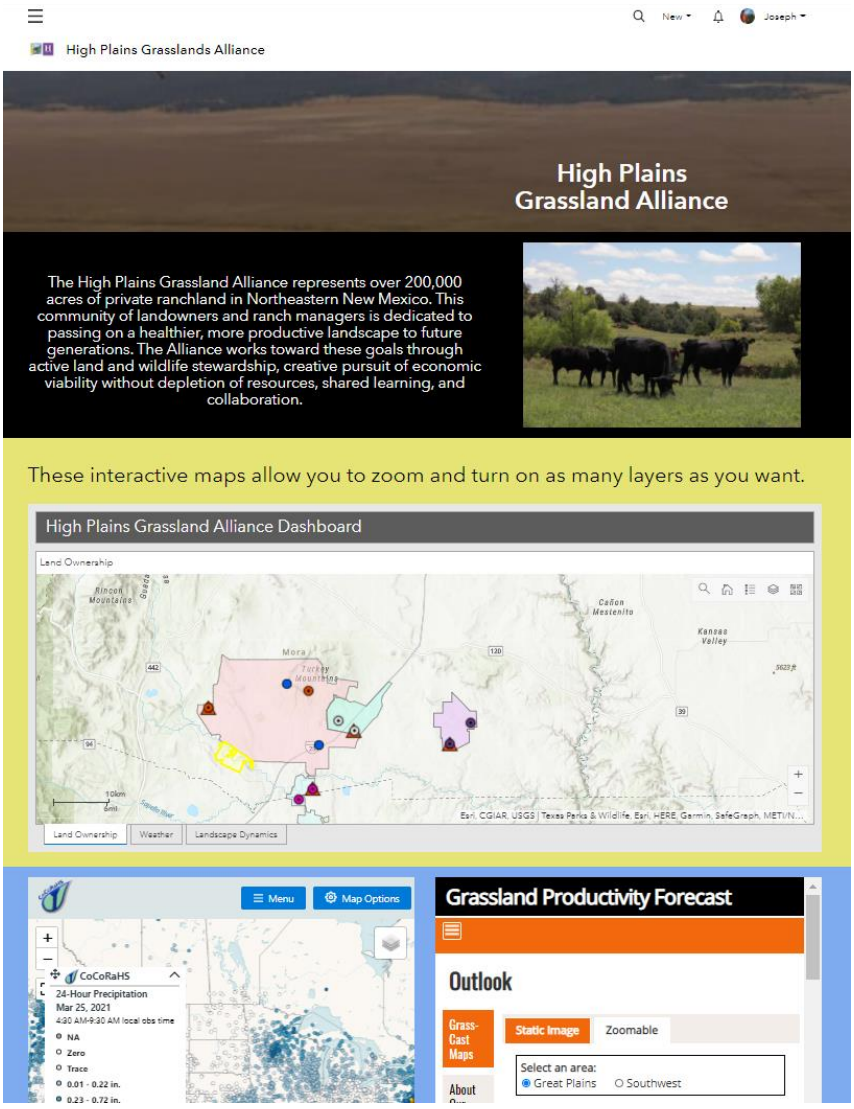

Photo 1. Landing page for the web-based knowledge portal allowing for a high degree of customization and individual user account creation. This portal includes a map interface that contains regionally relevant features, web-tools of interest, and the climate visualization tool among others links.

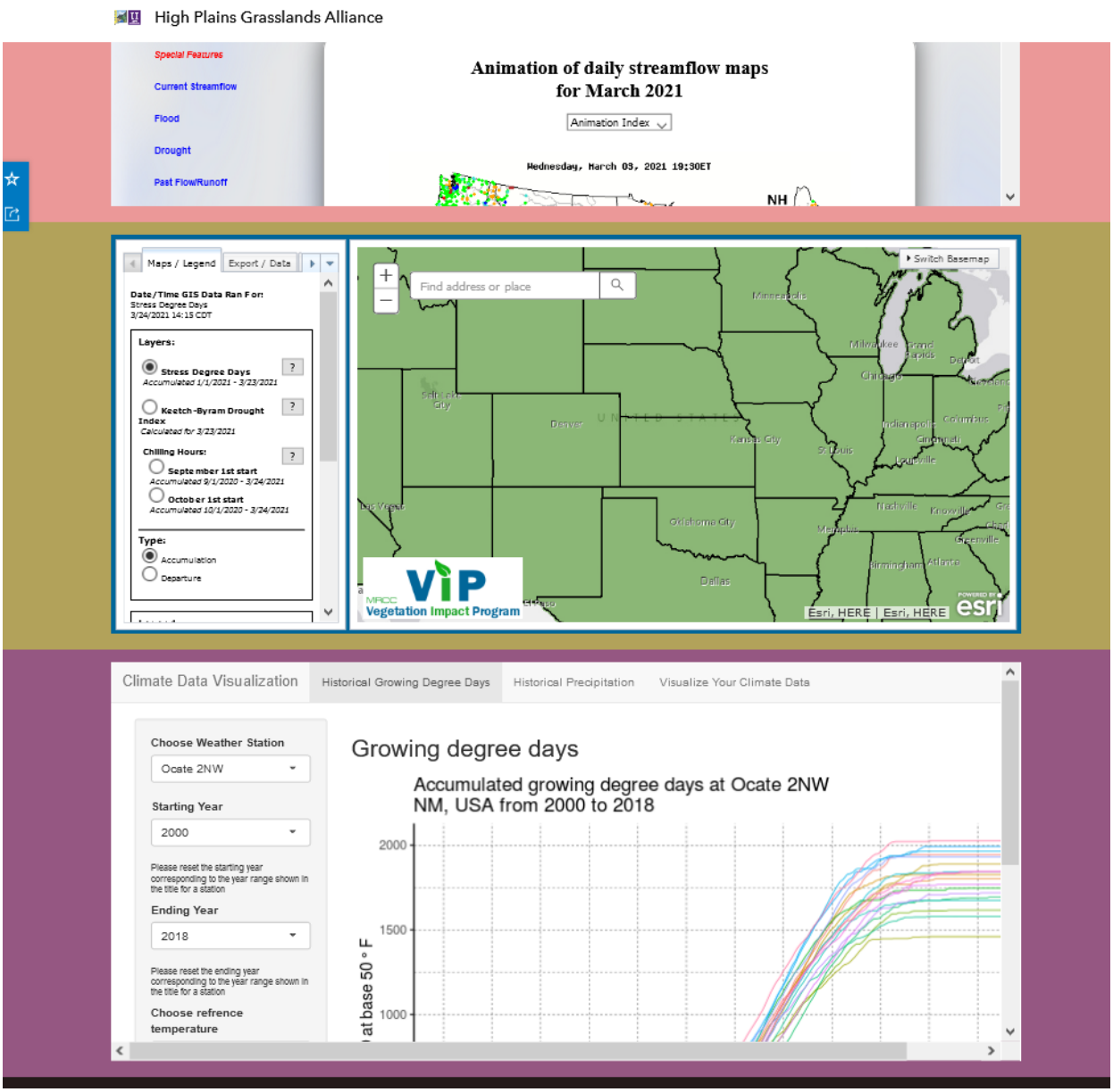

Figure 2. The climate tool, designed for producers in this project (bottom panel), is shown here as an embedded feature and also serves as a link to the stand-alone web-based tool, which will be housed at New Mexico State University.