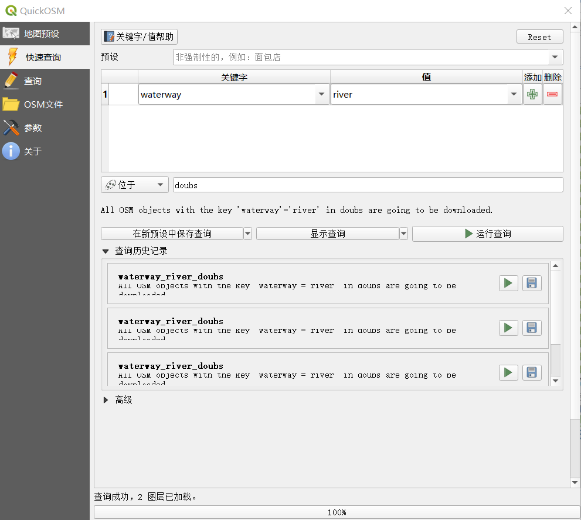
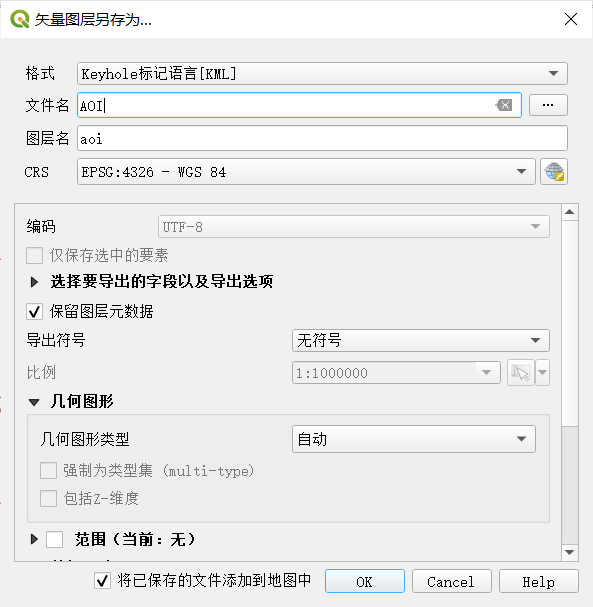
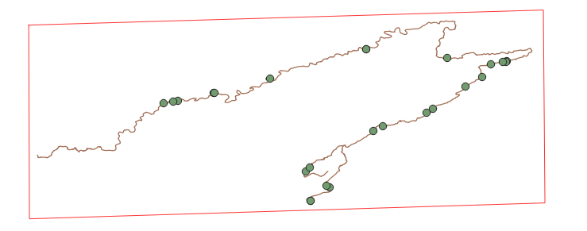
**Homework\_4: Exploration of Landsat satellite imagery with R and QGIS**

**SA22008308魏学睿**

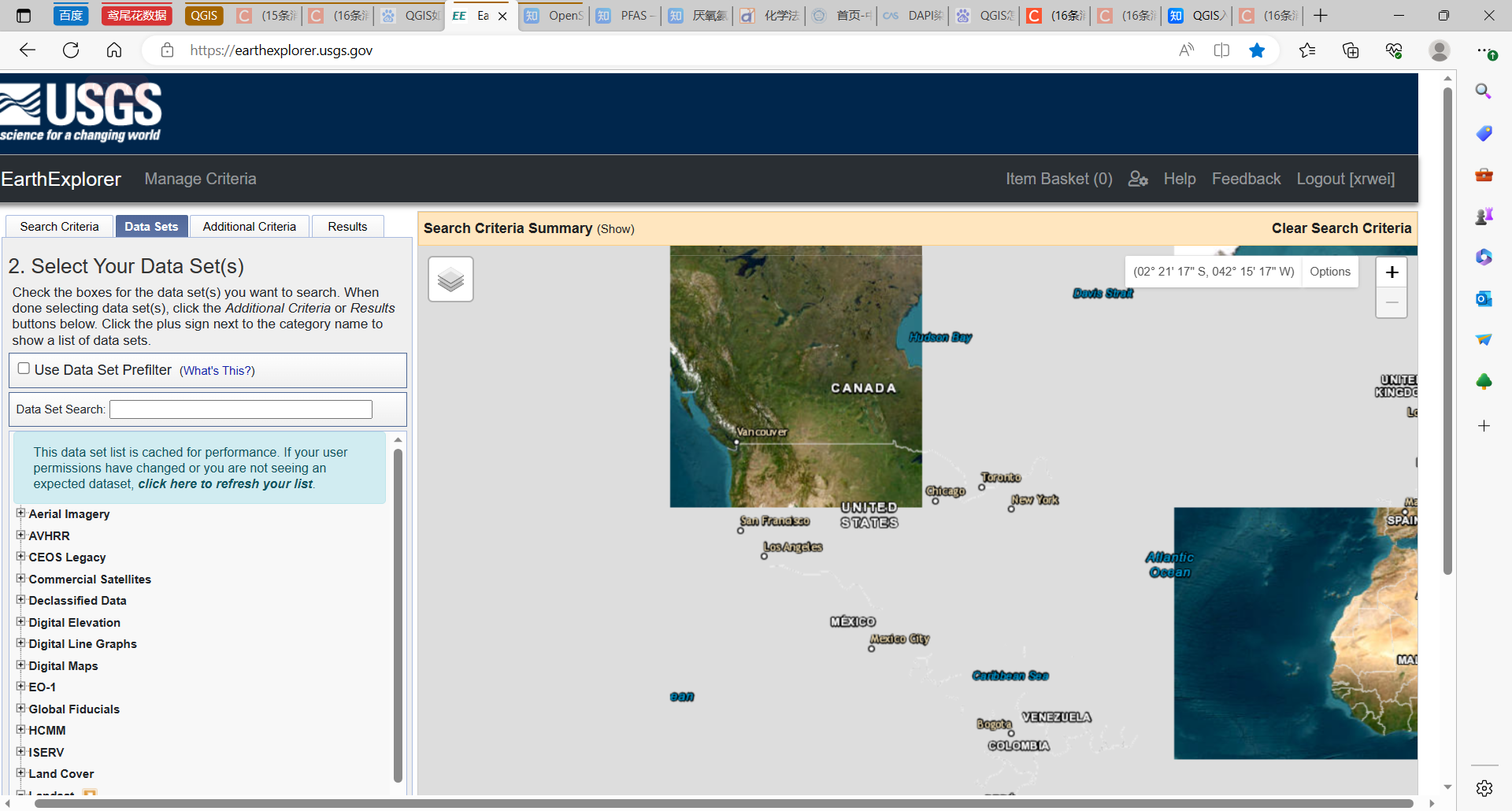
1. 下载doubs河地图



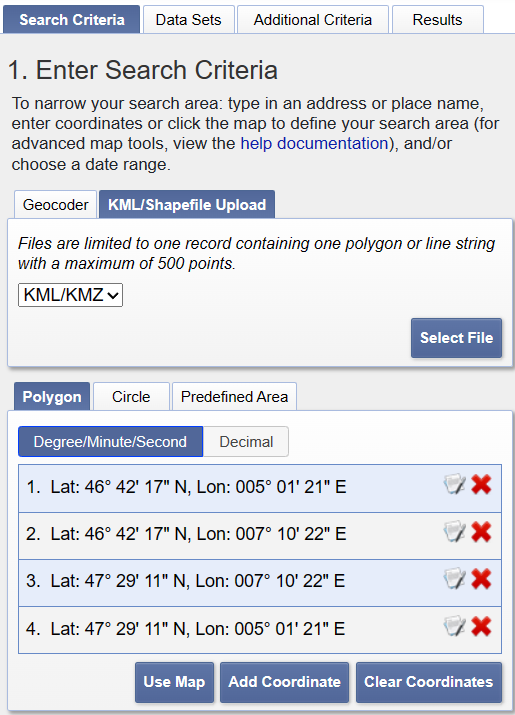
1. 保存为geojson格式
2. 绘制AOI，将AOI保存为kml格式



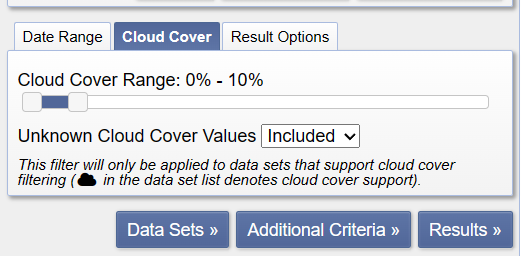
1. 注册USGS账户



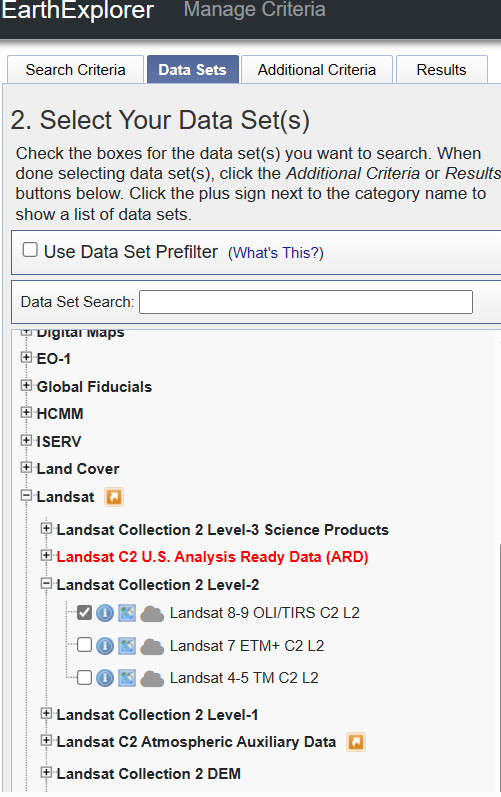
1. 利用地理坐标选择要下载的NDVI范围



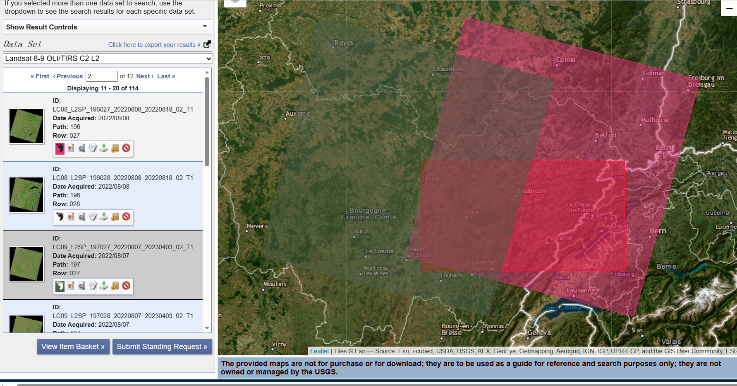
1. 设置云量小于10%

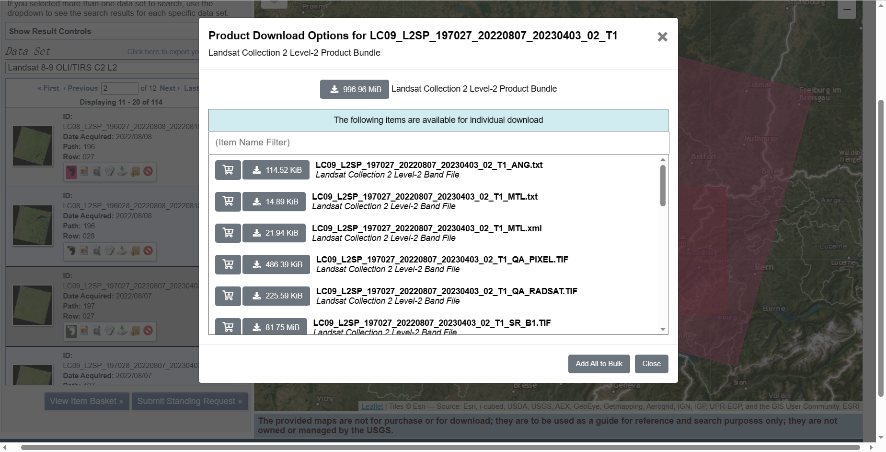


1. 选择需要的数据类型

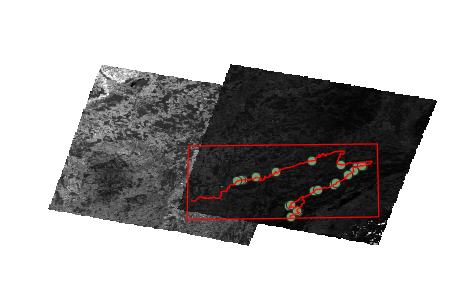


1. 选择两个可以完全覆盖doubs的NDVI图，下载，准备进行剪裁

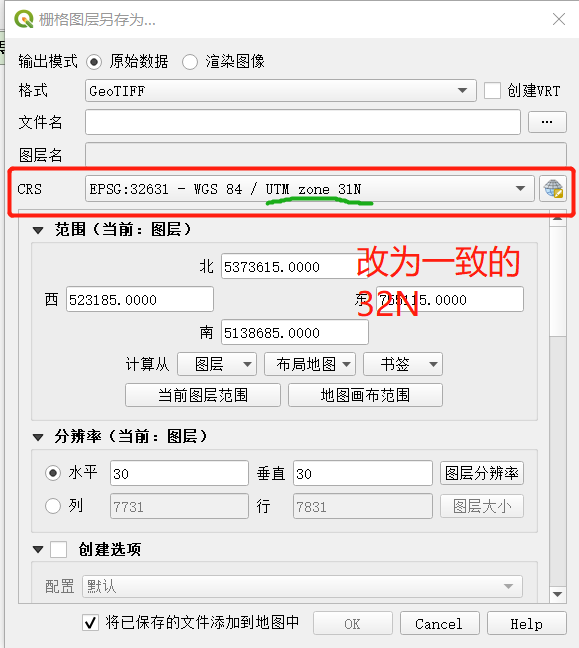




1. 导入两张tif格栅文件到图层

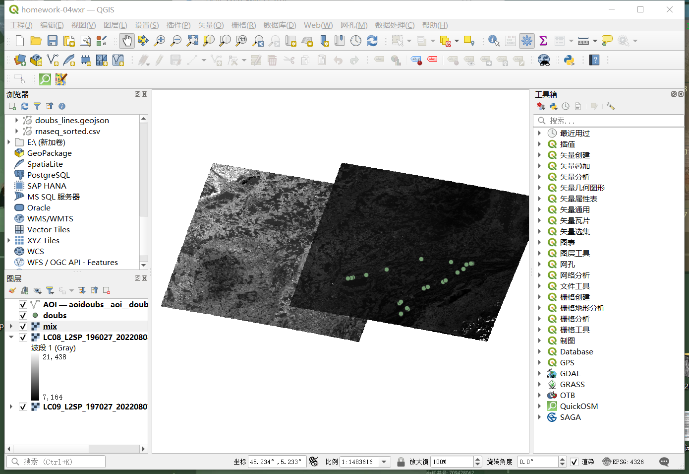
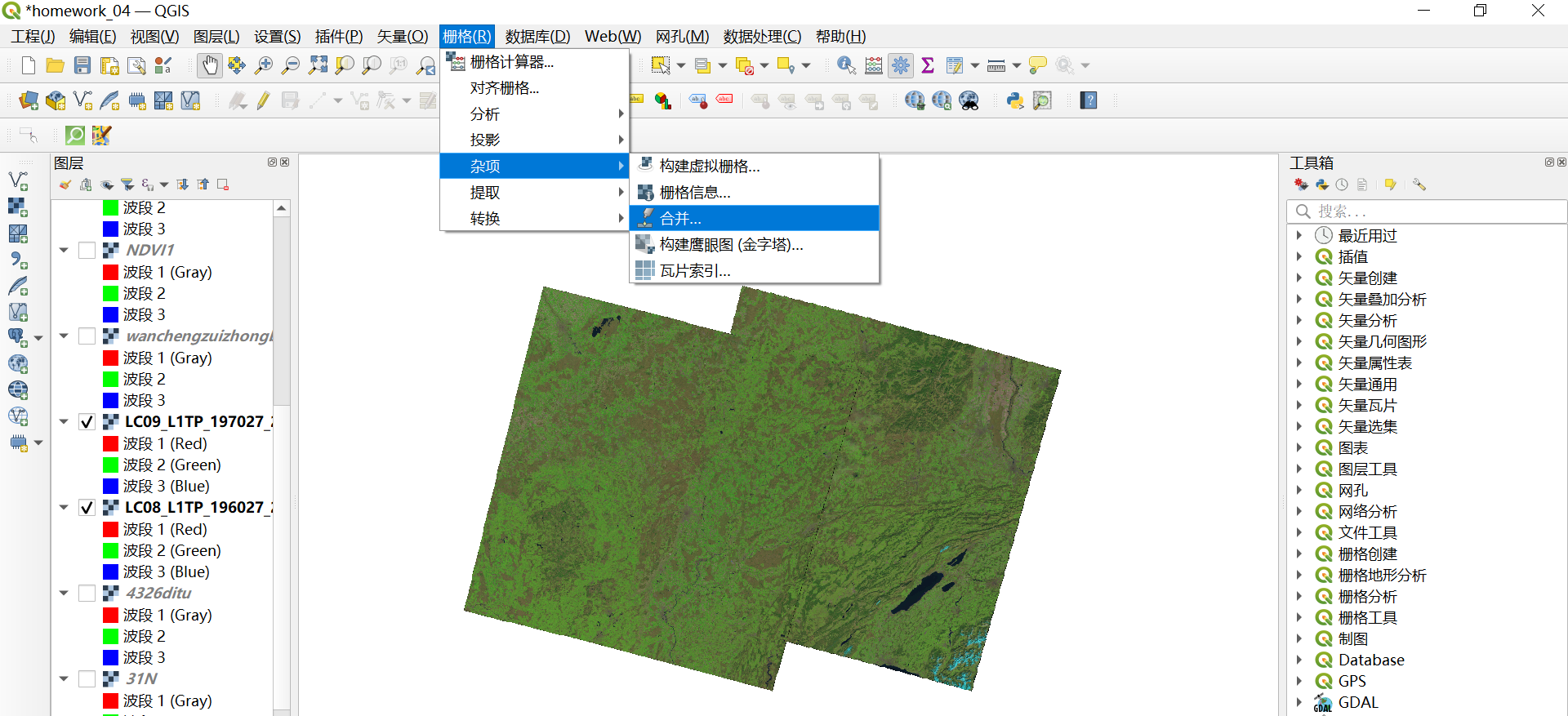


1. 将两个栅格文件的crs调为一致

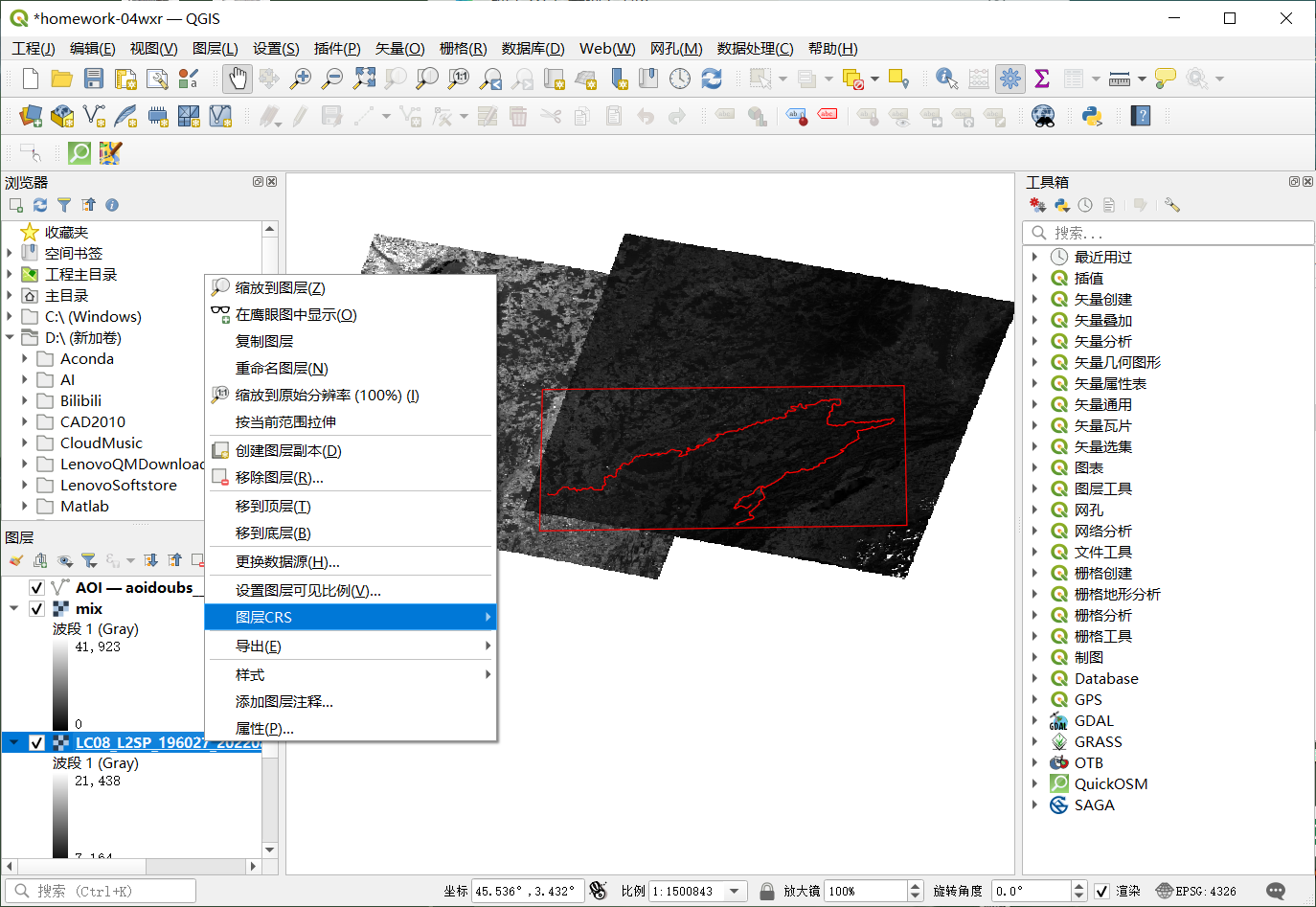
然后导出

对两个crs一致的栅格文件进行合并，再裁剪

1. 对tif格栅文件进行合并



1. 合并后将crs转化为doubs矢量河流对应的crs：EPSG：4326-WGS 84



1. 用doubs的AOI去剪裁NDVI合并后的格栅如下：

