Анализ данных и Машинное обучение в гидрологии

•••

Неделя 4

План

Лекция

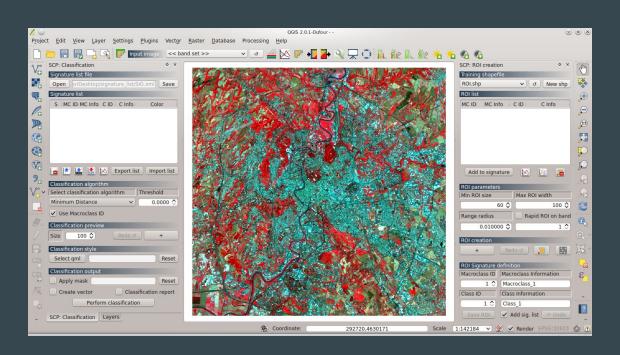
- зачем ГИС?
- QGIS;
- ресурсы.

Практическое занятие

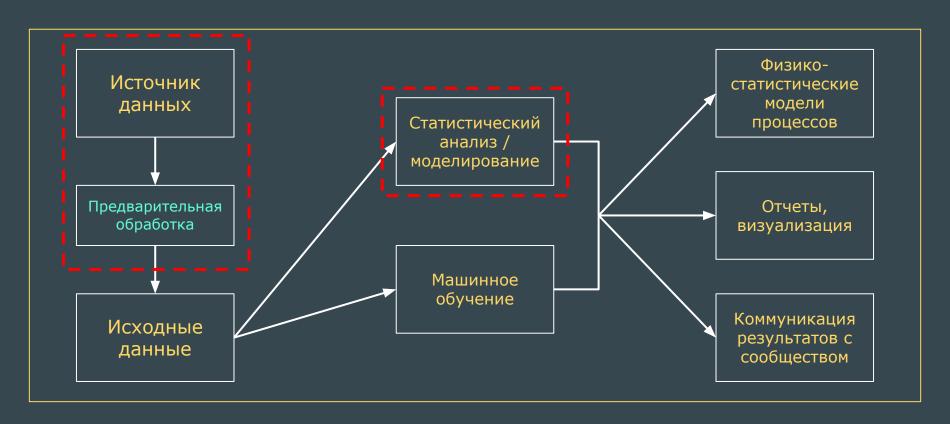
- basemap;
- folium.

ГИС

Географическая информационная система



Зачем ГИС?

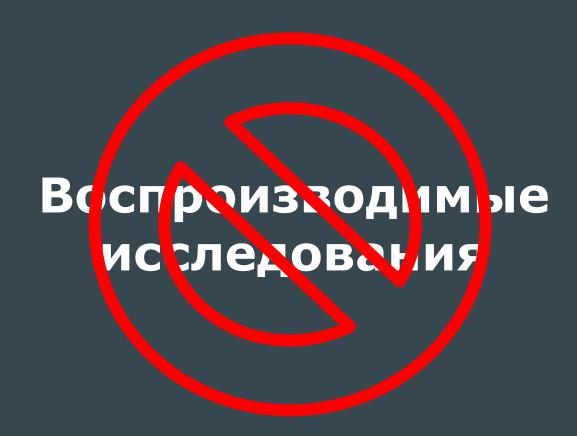


QGIS

- + стандарт де-факто
- + открытый
- + бесплатный
- + производительный
- + кроссплатформенный



В чем проблема ГИС?



Повтори, если сможешь

9.2 Download the DRM tiles

For the flux study area, we will use 4 tiles from the SRTM 1.4rx. Secund global data set. The Links States Globarnous announced on September 23 20 Link the this highest stable recordition in global topographic data derived from the SRTM mission will be released to public. Since the end of 2014 a 1-arc second global digital elevation model (Simeters) has been neleased. Most part of the world has been convend by this dataset ranging from 54 depress south to 56 depres conthibitation for the Middle East and North Africa area. A description of the SRTM data products can be found here: https://links.cutes.acce/MSTMMACH.

For this extends the this nSO_e005_land_v3.tif, nSO_e006_land_v3.tif, nSI_e005_land_v3.tif and nSI_e006_land_v3.tif were already downloaded and provided. Seve the data in a_0.04(GIS_Course\Dectarrangle) and course land varieties and course land varieties are set of the data in a_0.04(GIS_Course\Dectarrangle) and course land varieties are set of the data in a_0.04(GIS_Course\Dectarrangle) and course land varieties are set of the data in a_0.04(GIS_Course\Dectarrangle) and course land varieties are set of the data in a_0.04(GIS_Course\Dectarrangle) and course land varieties are set of the data in a_0.04(GIS_Course\Dectarrangle) and course land varieties are set of the data in a_0.04(GIS_Course\Dectarrangle) and course land varieties are set of the data in a_0.04(GIS_Course\Dectarrangle) and course land varieties are set of the data in a_0.04(GIS_Course\Dectarrangle) and course land varieties are set of the data in a_0.04(GIS_Course\Dectarrangle) and course land varieties are set of the data in a_0.04(GIS_Course\Dectarrangle) and course land varieties are set of the data in a_0.04(GIS_Course\Dectarrangle) and course land varieties are set of the data in a_0.04(GIS_Course\Dectarrangle) and course land varieties are set of the data in a_0.04(GIS_Course\Dectarrangle) and course land varieties are set of the data in a_0.04(GIS_Course\Dectarrangle) and course land varieties are set of the data in a_0.04(GIS_Course\Dectarrangle) and course land varieties are set of the data in a_0.04(GIS_Course\Dectarrangle) and course land varieties are set of the data in a_0.04(GIS_Course\Dectarrangle) and course land varieties are set of the data in a_0.04(GIS_Course\Dectarrangle) and course land varieties are set of the data in a_0.04(GIS_Course\Dectarrangle) and course land varieties are set of the data in a_0.04(GIS_Course\Dectarrangle) and course land varieties are set of the data in a_0.04(GIS_Course\Dectarrangle) and course land varieties are set of the data in a_0.04(GIS_Course\Dectarrangle) and course land varieties are set o

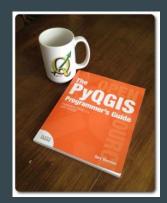
If you want to download data yourself, you can use the USGS EarthExplorer (http://earthexplorer.usgs.gov).



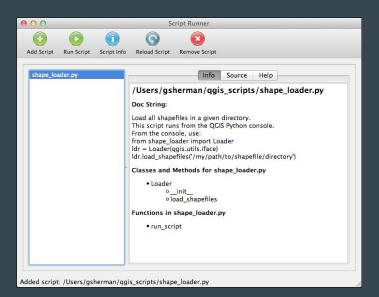
- 9.3 Load the DEM tiles in QGIS
- 1) Start QGIS Desktop.
- 2) Use the Add Raster Layer button
- 3) Brows up to the folder containing the SIMM ties (e.g. D:\QGTE_COURSe\Xexcise_S), Hold the CCLTI> button and select the 4 tiles (e.SO_e.GGS_larm_v3.tif_nSO_e.GGS_larm_v3.t

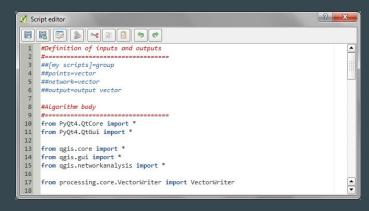
Решение

PyQGIS



- + python library
 - + scriptable





Где научиться?

Open Source Software for Preprocessing GIS Data for Hydrological Models





Важно

Вы можете помочь существенно улучшить этот курс!

- ayzelgv@gmail.com, hydrogo@yandex.ru
- vk.com/ayzelgv, facebook.com/ayzelgv
- ИВП РАН, кабинет 617

На правах рекламы

Годовой отчет по молодежному гранту РФФИ.

16 декабря 2016 года, 16:00, ауд. 416.

Молодежный грант

Расчеты речного стока для водосборов российской Арктики в условиях недостаточного информационного обеспечения

ГОДОВОЙ ОТЧЕТ



7 Георгий Айзель, н.с. ИВП РАН



Результаты



Публикации



Деньги



Планы

16 декабря, 16:00, ауд. 416

Thank God Its Friday