

## **Research: Help improve the special mode for first-time users in GRASS GIS**

**Hello!**

Thank you for participating in this survey.

Your feedback will help developers to improve the proposed special mode for the first-time users which should enhance the initial user experience in GRASS GIS. The results of the survey will be published as a part of a master thesis (<https://github.com/ctu-geoforall-lab-projects/dp-kladivova-2021/>).

In order to fill in the survey, you don't have to install the software. It is not even necessary you know GRASS at all. We only assume a very basic knowledge of GIS.

All Figures you will see are suggestions that have not been implemented yet.

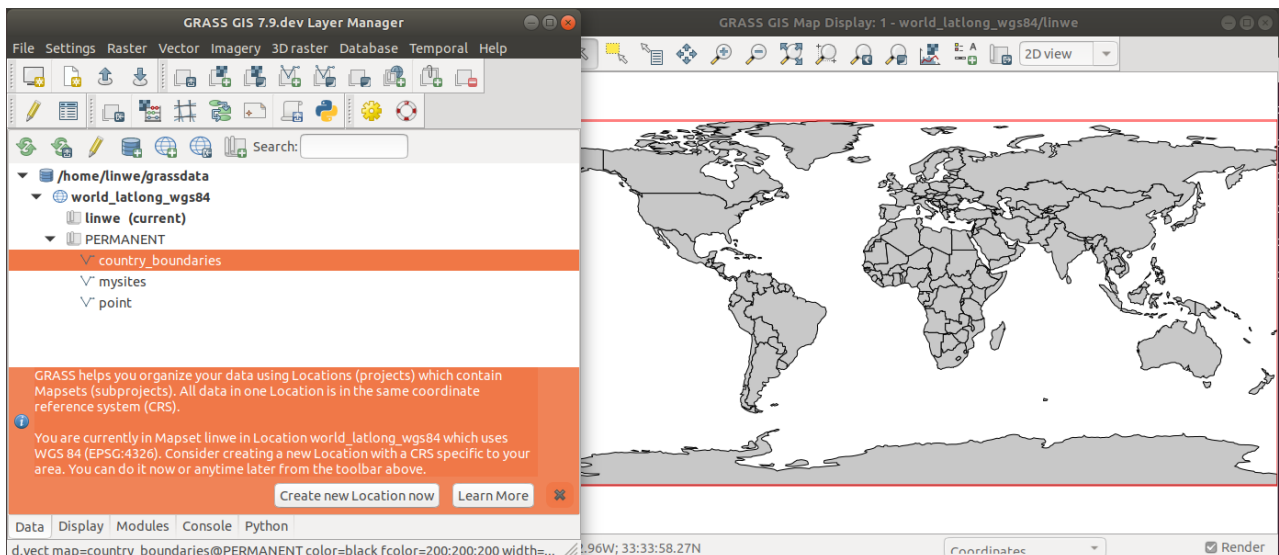
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Let's imagine a situation where you have **vector data of rivers in the Czech Republic in the shapefile format in the coordinate system S-JTSK / Krovak East North (EPSG: 5514)**. You would like to import this data into GRASS and perform a simple task - **extract a river called Otava and save it in a separate layer**.

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## Situation number 1

You download GRASS GIS. Once you run it, you will see the situation shown in Figure 1:



Take a close look at Figure 1 and answer the following questions.

\* 1. What will be your next step in this situation?

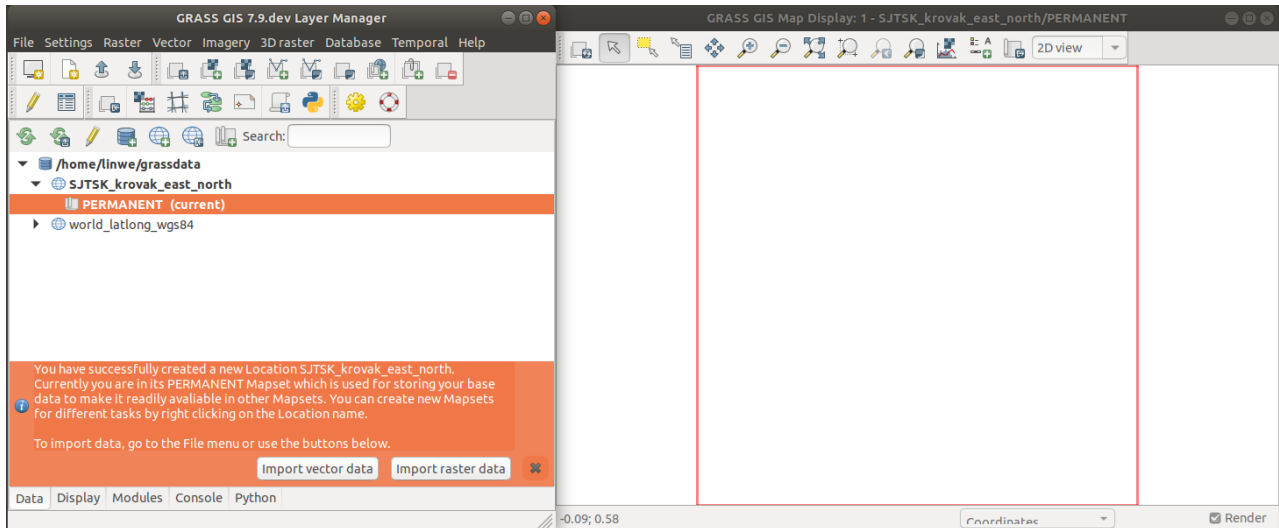
- ☐ I will try to find a function to import data somewhere.
- ☐ I will create a new GRASS database.
- ☐ I will create a new Location.
- ☐ I will be confused what to do next and give it up.
- ☐ I will create a new Mapset.

2. Is something confusing to you? If so, what specifically?

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### Situation number 2

Let's suppose you got to the situation captured in Figure 2:



\* 3. Take a close look at Figure 2. What will be your next step in this situation?

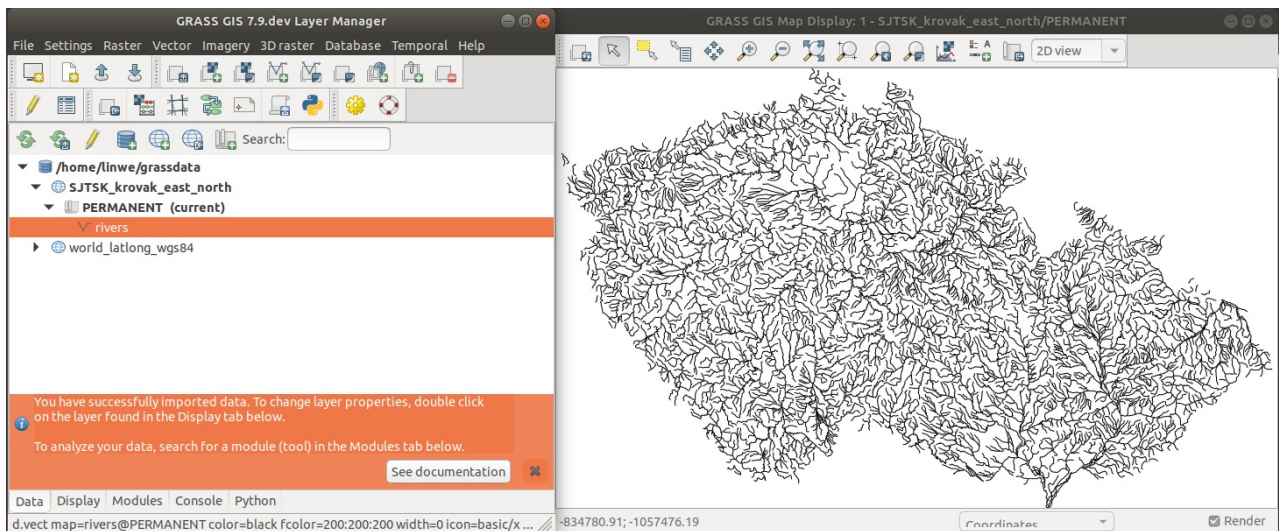
- ☐ I will import data using *Import vector data* button in Info Bar.
- ☐ I will create another Location.
- ☐ I will import data through File menu.
- ☐ I will be confused what to do next and give it up.
- ☐ Other (please specify)

4. Is something confusing to you? If so, what specifically?

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### Situation number 3

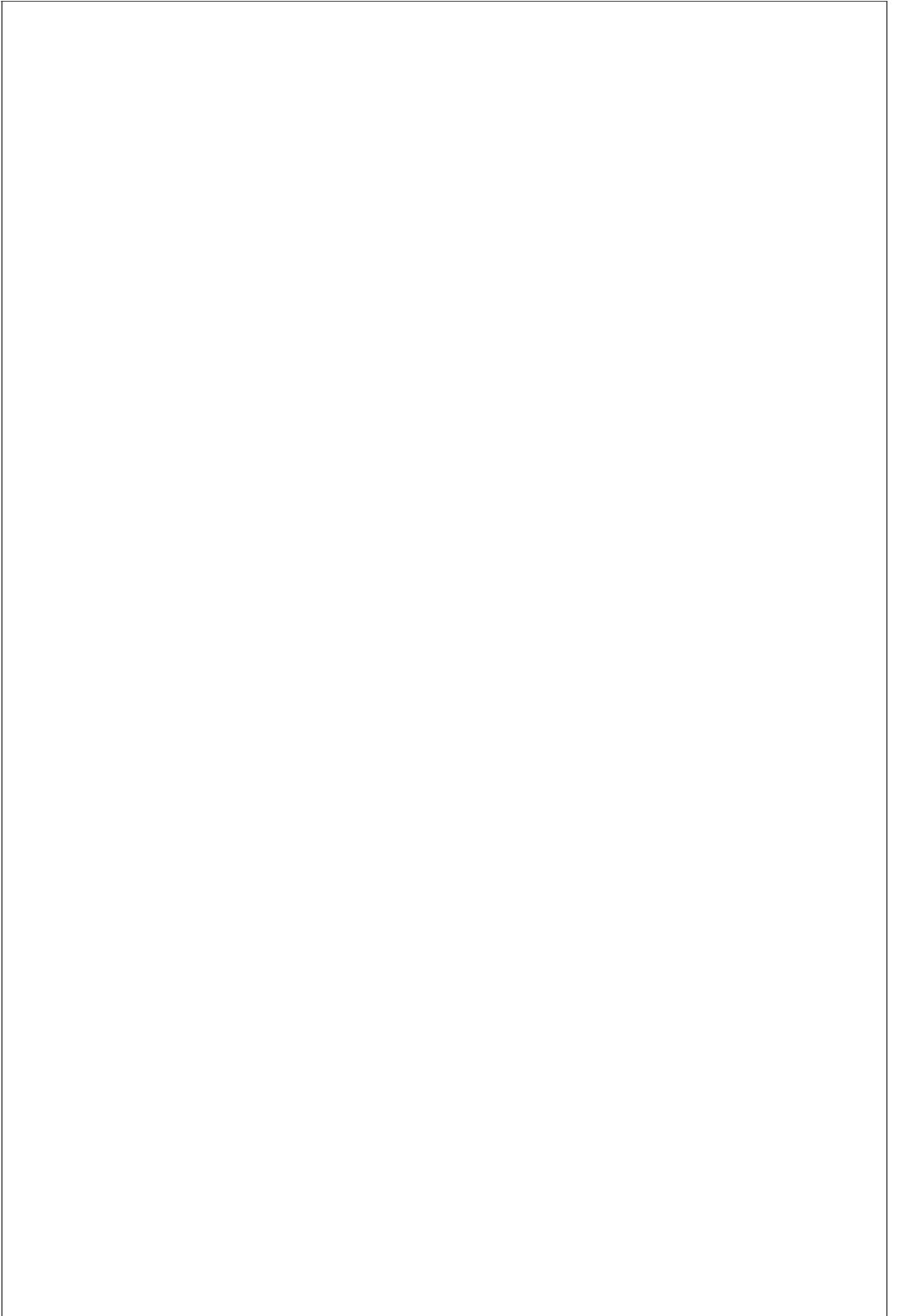
Let's say you managed to import data. The situation you are currently in is shown in Figure 3:



\* 5. Take a close look at Figure 3. What will be your next step in this situation?

- ☐ I will find the right function in the documentation and go to Modules tab.
- ☐ I will go straight to the Modules tab.
- ☐ I will be confused what to next and give it up.
- ☐ I will find the right function in the documentation and go to Display tab.
- ☐ I will go straight to the Display tab.
- ☐ Other (please specify)

6. Is something confusing to you? If so, what specifically?

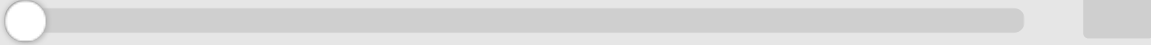


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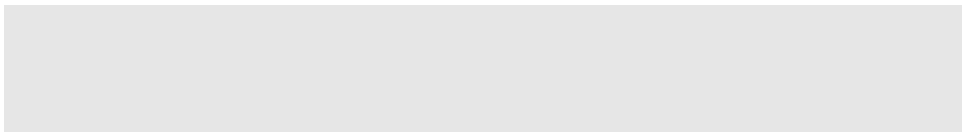
\* 7. What do you think about the following statement?

The advice in Info Bars given in each situation was straightforward and led me very well to the right answers.

Strongly disagree Strongly agree



8. Any ideas you want to share? (e.g. the change of wording in Info Bars, adding more information, or, conversely, the removal of some information)



\* 9. What is your general experience with GIS?

☐ Beginner ☐ Intermediate ☐ Professional

\* 10. How often do you use GRASS GIS?

Never used GRASS Sometimes Every day



Thank you for your responses!

By the way, the searched function is *Select by attribute* and the result of the task would be as follows :-):

