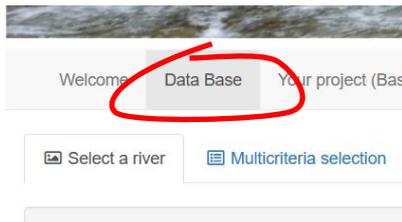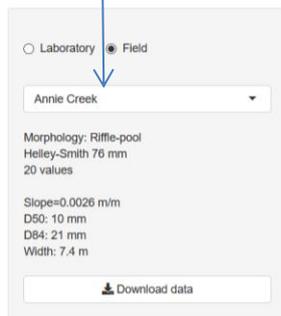## How to use the database in BedloadWeb?
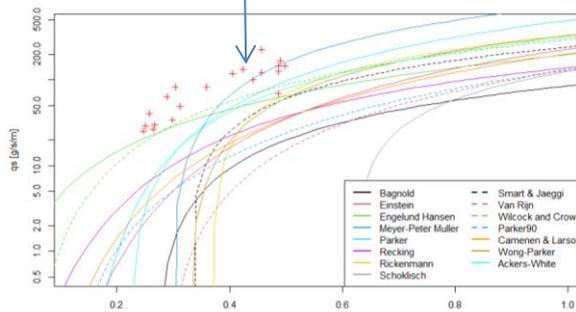
STEP1 : Click on Data Base
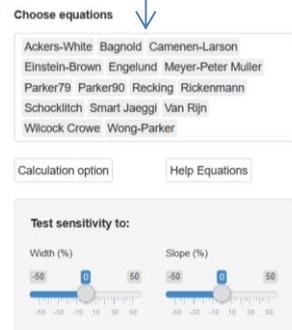
What do you see ?
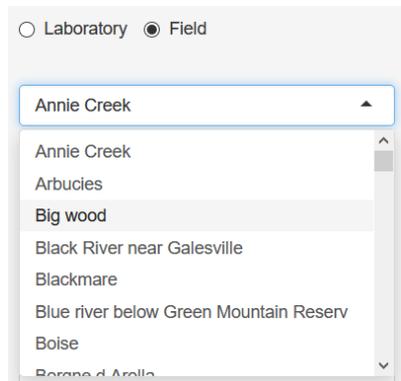
The dataset which is displayed in the figure

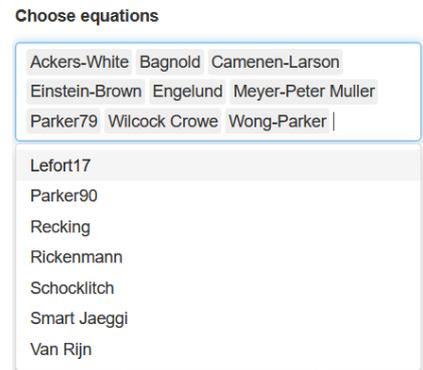A figure comparing the data (red crosses) and the bedload equations (lines)
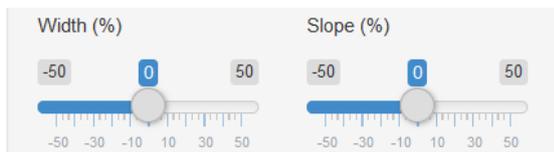
List of bedload equations displayed in the figure

Change the river or the equation selection

and see what happens in the figure…

Plays with the scrollbars for changing the values of width, slope, sediment diameters,….

and see what happens…

Almost done with this page: You will conclude that the bedload equations are very different, are sensitive to the inputs, and do not really match the measurements. One difficulty in a bedload project is to make a choice between the equations and to evaluate the uncertainties.

Spend some time playing with the different button then move on to the next page of this document.
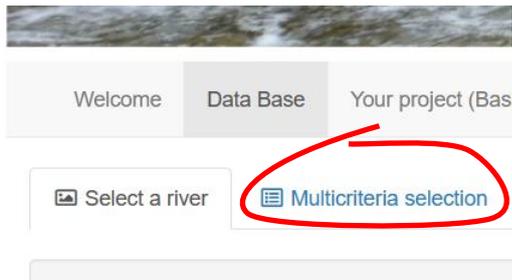
STEP2 : Click on Multicriteria

What do you see ?

A menu for selecting
data in the database
with specific criteria

A table presenting the
selected data sets

Note: While the previous page displayed only one dataset at a time, this page displays the entire database.

Click several times on the orange button

The screen alternates between the table and a Figure where are displayed all the selected data

Make a selection

For instance select the data having a slope in the range 1%-2%

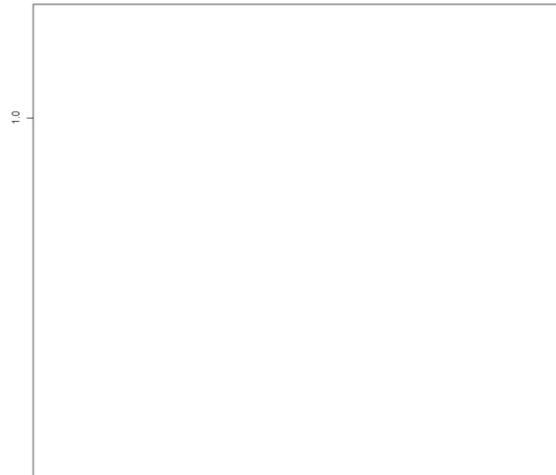And see what happens both in the table and in the Figure.

Continue with the other parameters before moving on to the bottom of the screen.

2

Move on to the second part of the screen

You see again the bedload equations. **Click on start calculation**.

The selected equations are tested on the data selection

Results are presented in the left table (the higher the score the better) and in the figure.

3