

SHMIP splinter meeting

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EGU – 2017

Results

Results:

- The focus is on effective pressure
- Eventually we will look at discharge too
- This is work in progress

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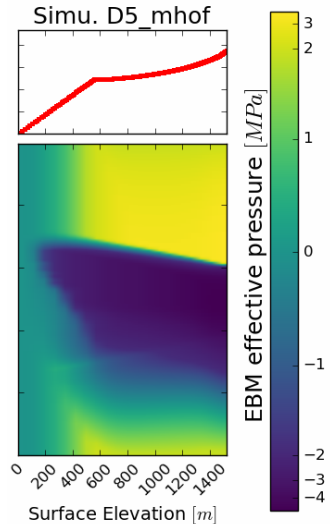
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Example output from one model run:



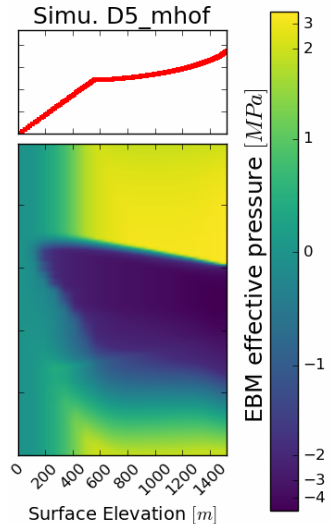
Results

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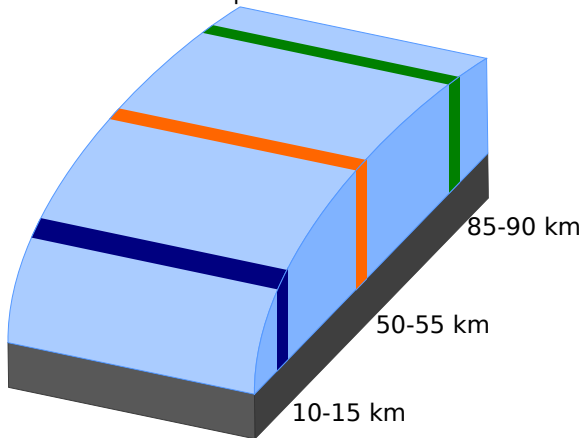
Example output from one model run:

How to best compare many of these results?



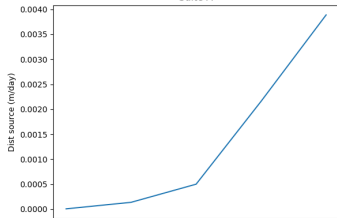
Results

I will show effective pressure N at three different elevation bands:

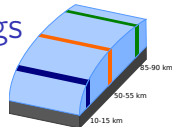


Results

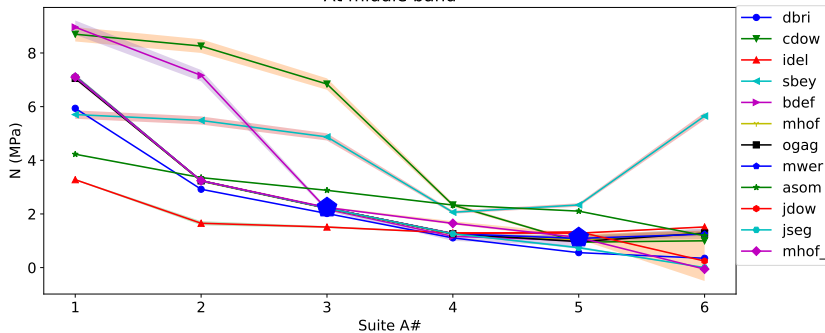
Suite A



A: steady forcings

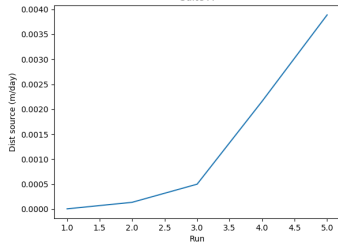


At middle band

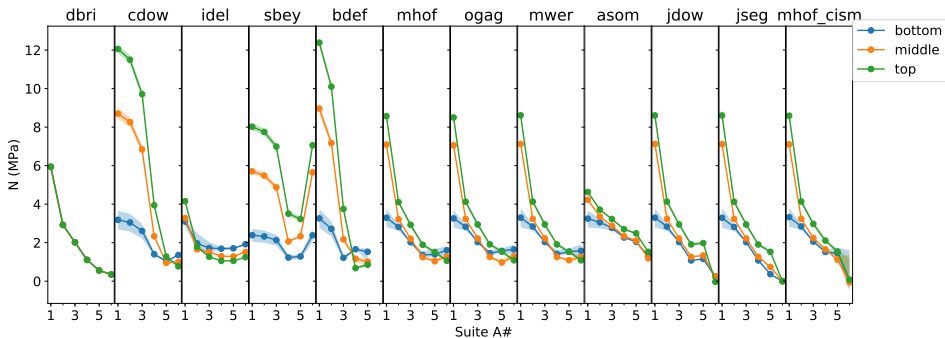
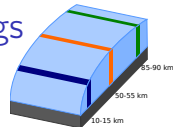


Results

Suite A

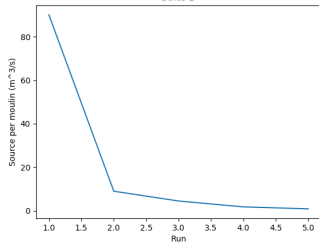


A: steady forcings

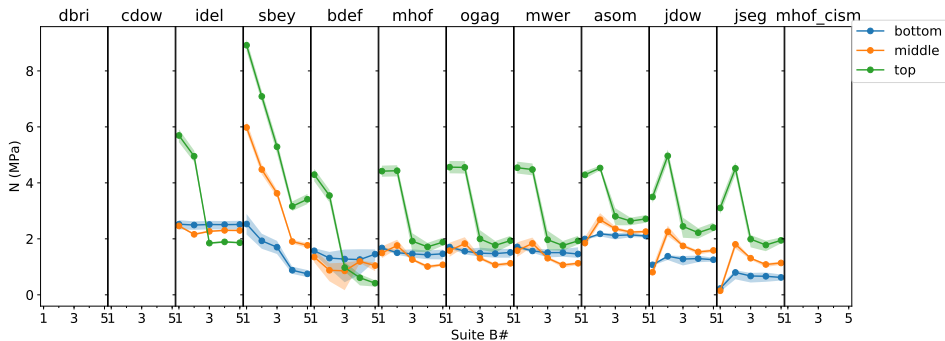
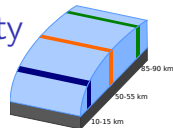


Results

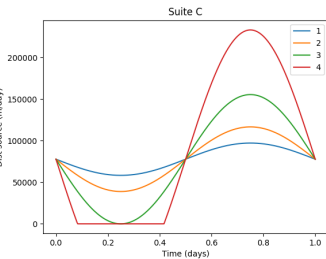
Suite B



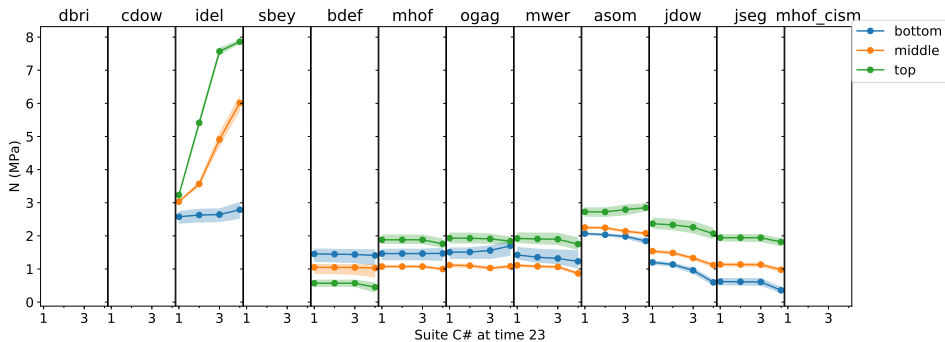
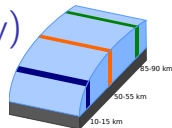
B: steady & moulin density



Results

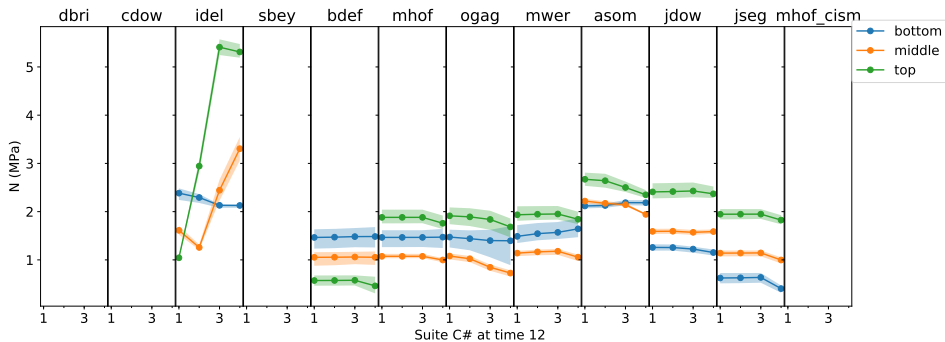
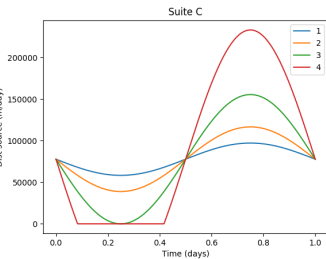
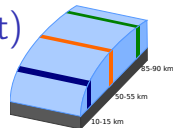


C: diurnal & moulins (day)



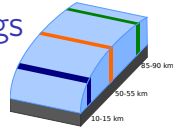
Results

C: diurnal & moulin (night)

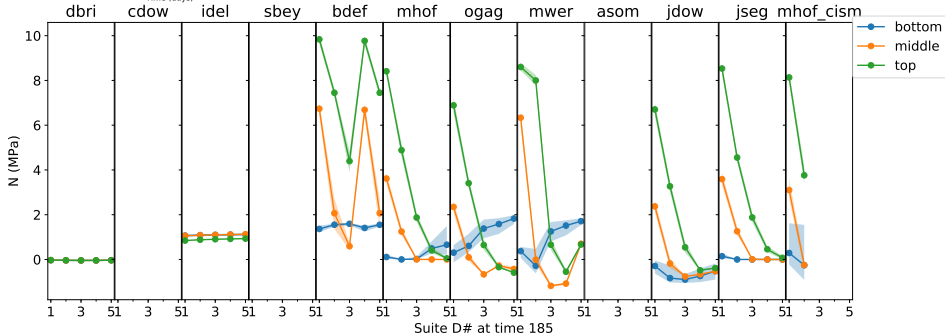
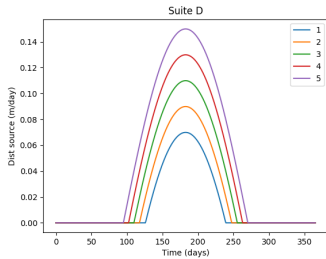


Results

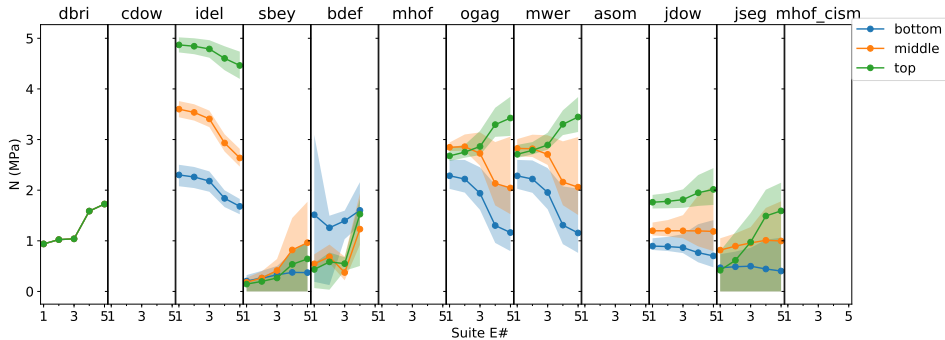
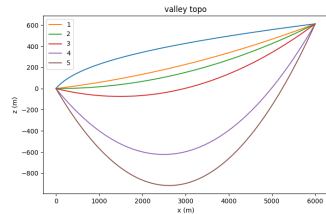
D: seasonal forcings



At mid summer:

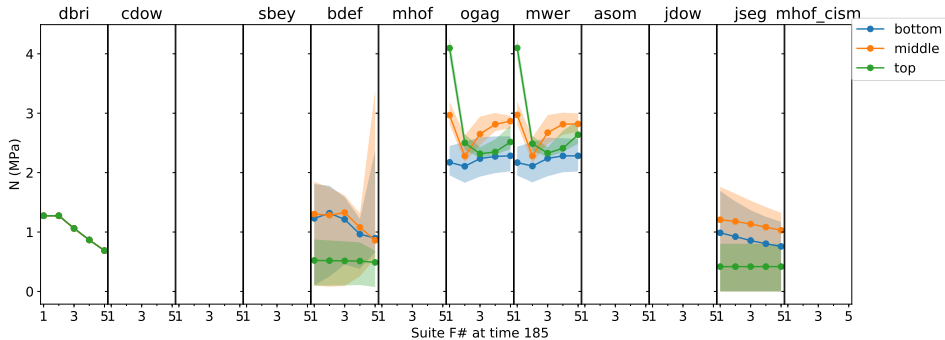
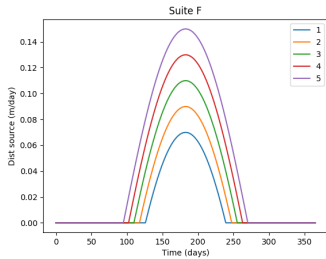


E: valley overdeepening



Results

F: valley seasonal



Outlook

Also look at:

- channelisation extent
- discharge & mass conservation

Outlook

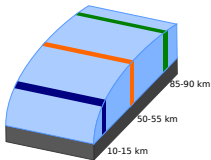
Also look at:

- channelisation extent
- discharge & mass conservation

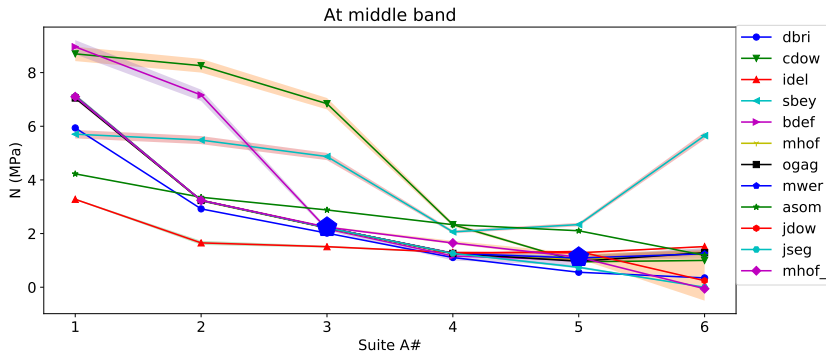
Ideas for:

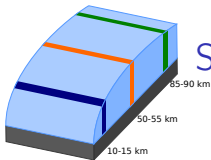
- other metrics
- other quantities

Thanks for all your work & input!

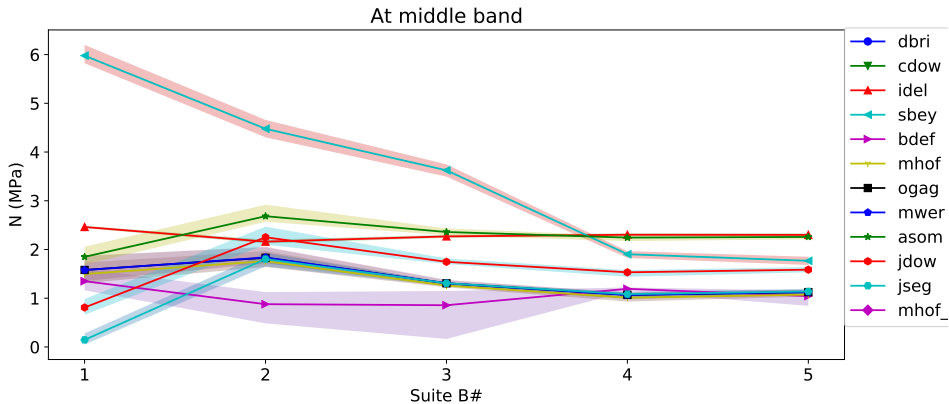


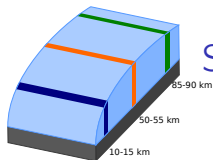
Suite A: steady forcings



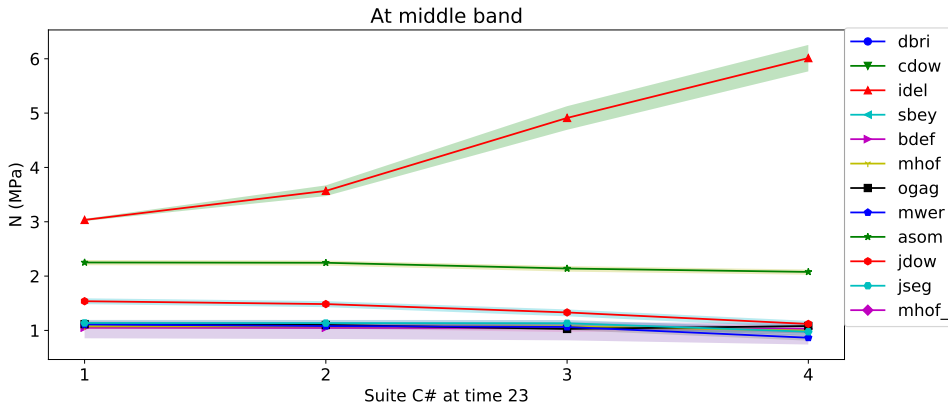


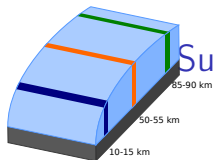
Suite B: steady with moulin density



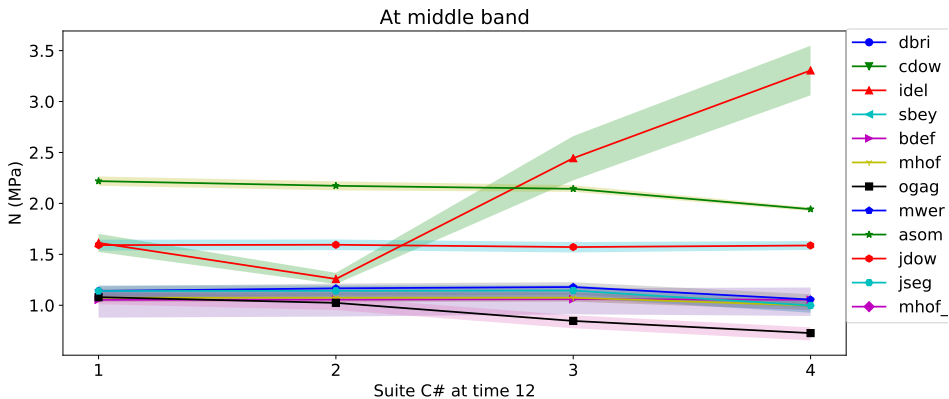


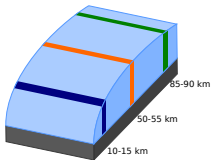
Suite C: diurnal with moulins (day)





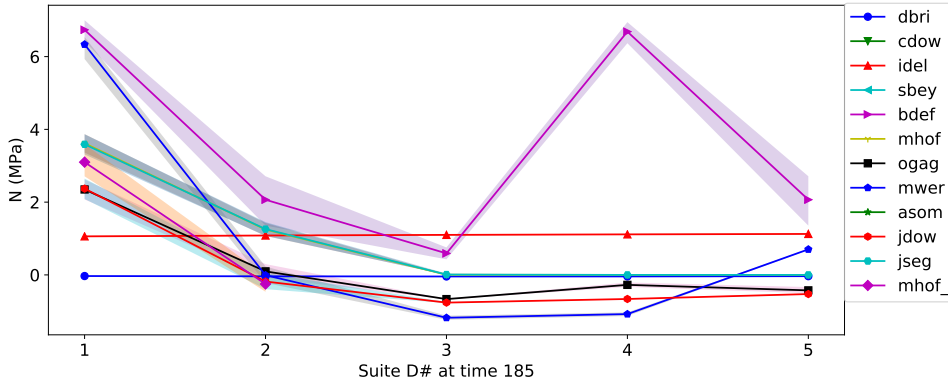
Suite C: diurnal with moulins (night)



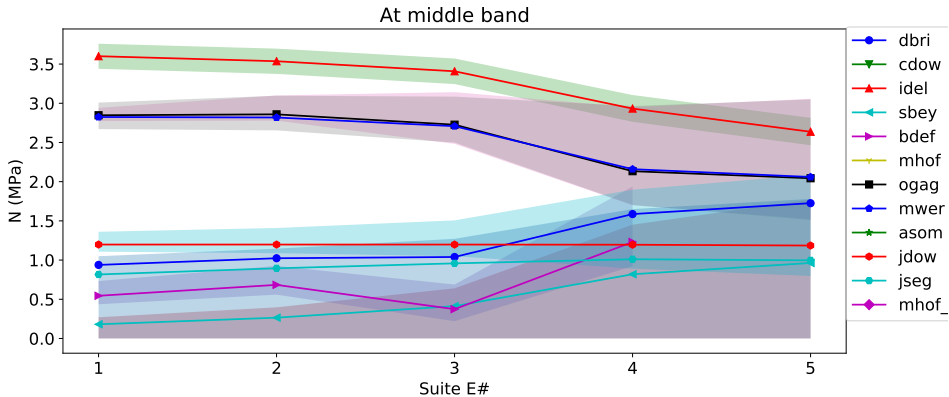
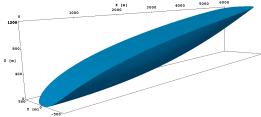


Suite D: seasonal forcings

At middle band



Suite E: valley overdeepening



Suite F: valley seasonal

