



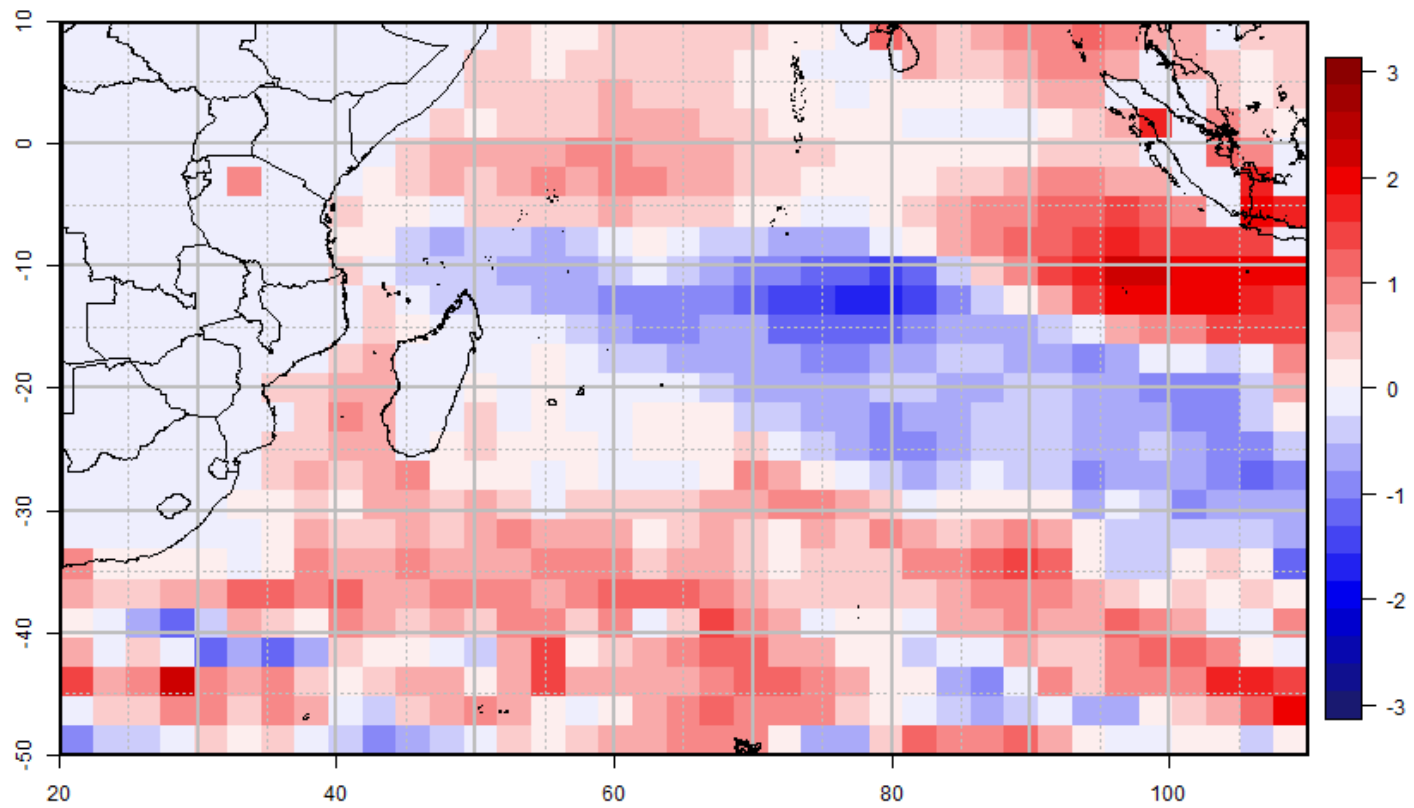
# Mauritius Meteorological Services

## Precipitation seasonal forecast issued from downscaling methods

Sandhya Dindyal  
Meteorologist

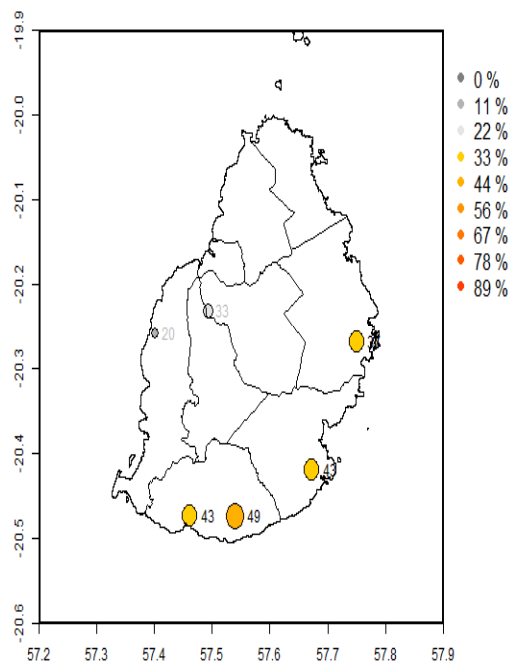


### Forecast ARP SST OND 2016

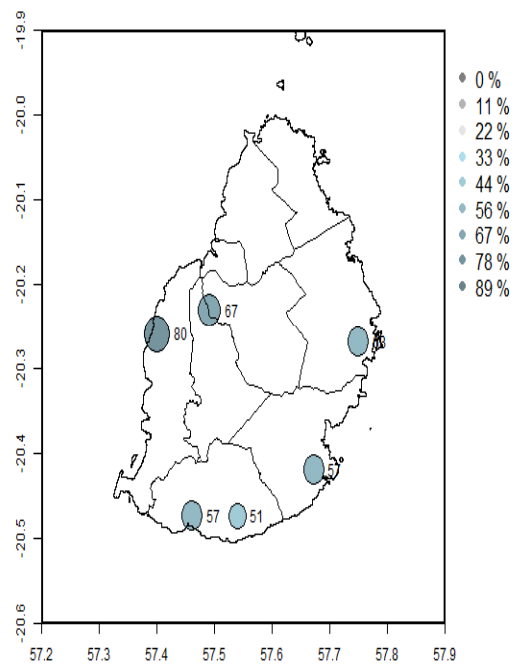




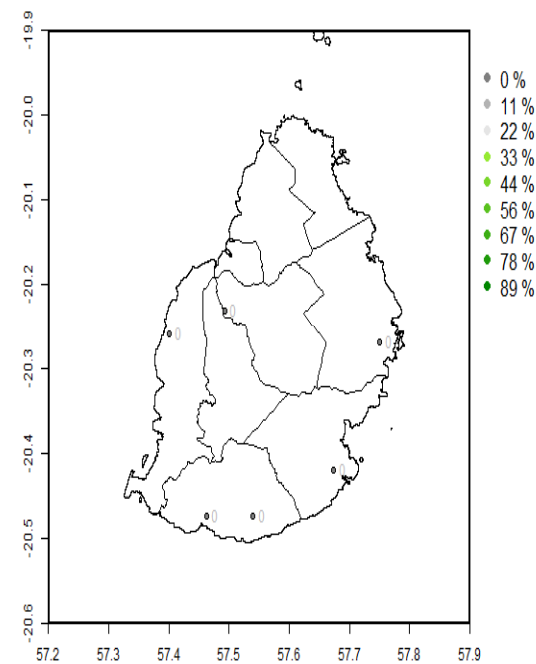
**SEASONAL FORECAST : Lower tercile RR OND 2016**



**SEASONAL FORECAST : Median tercile RR OND 2016**

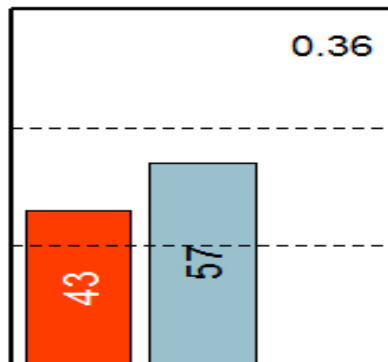


**SEASONAL FORECAST : Upper tercile RR OND 2016**

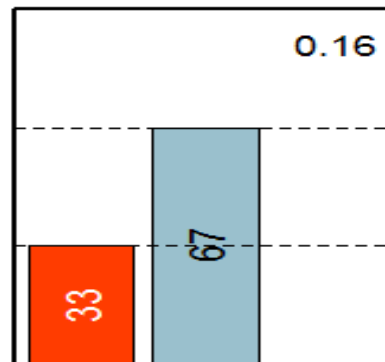




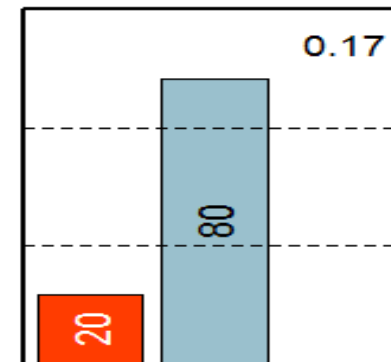
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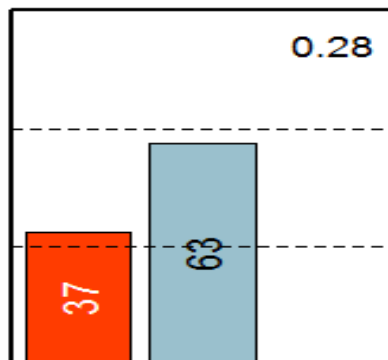
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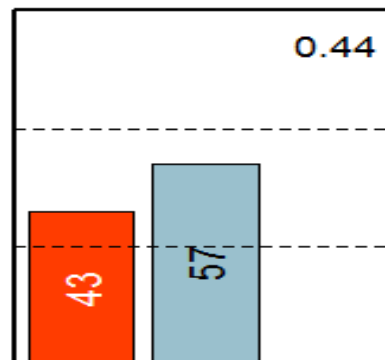
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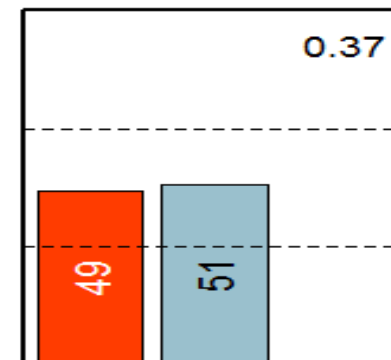
BeauChamps



SteMarie

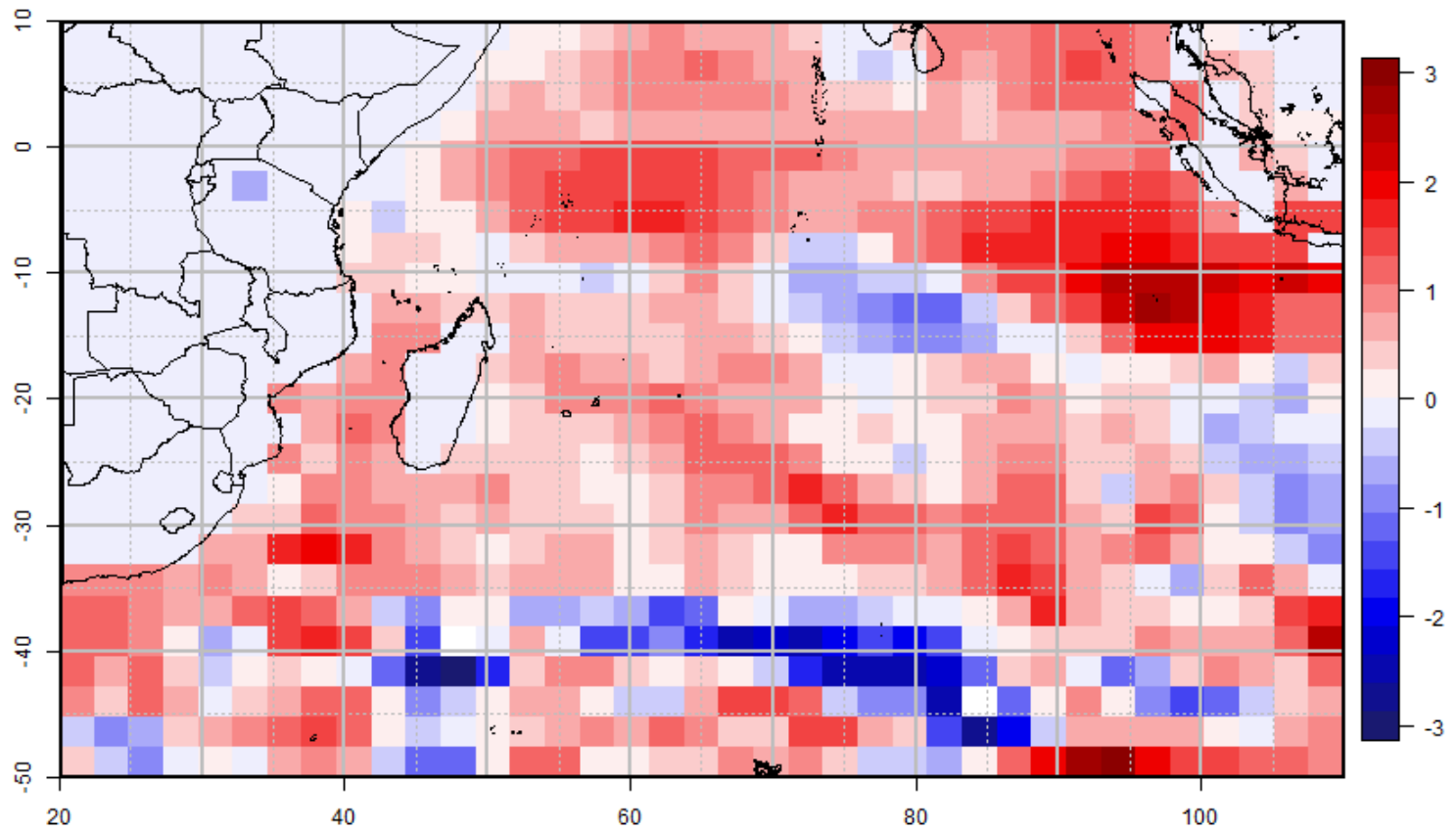


UnionSavanne



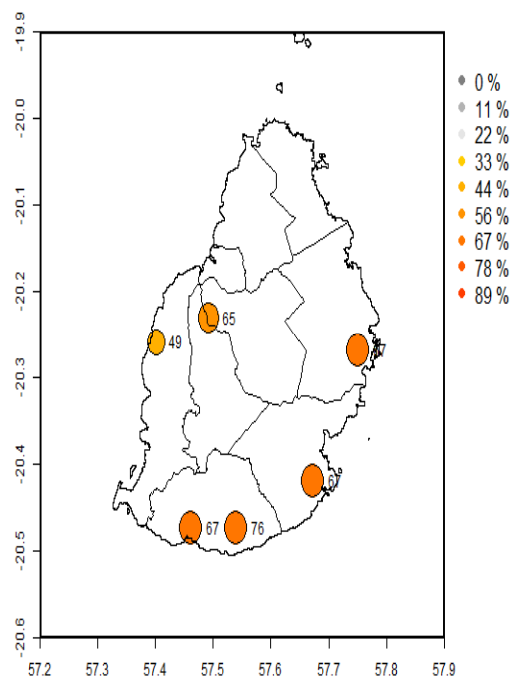


### Forecast CEP SST OND 2016

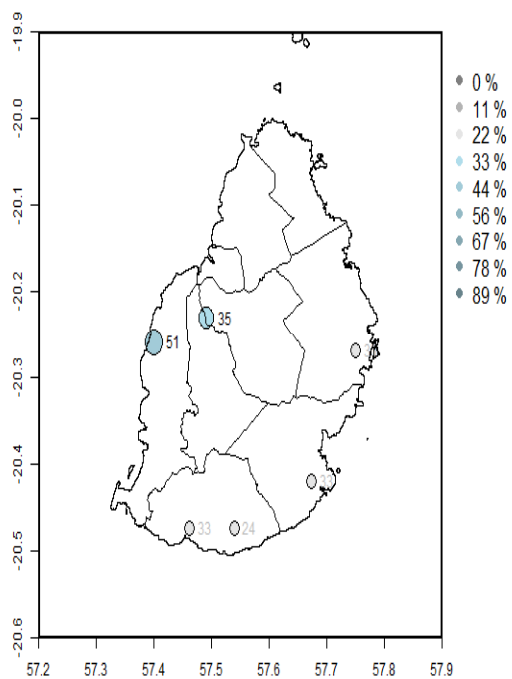




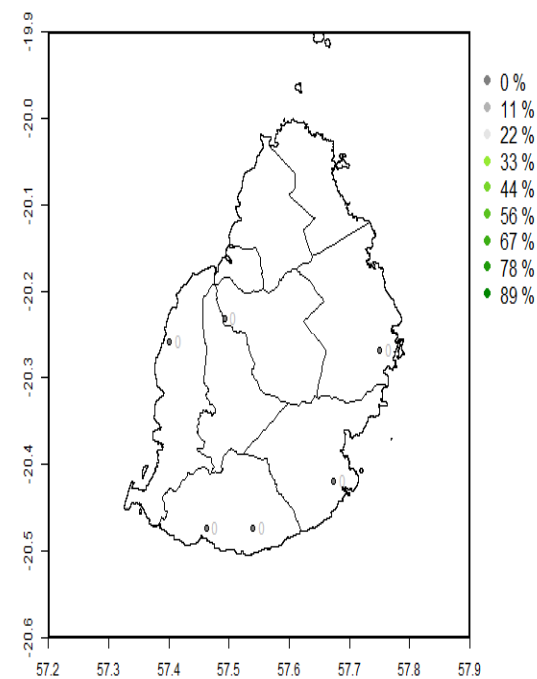
**SEASONAL FORECAST : Lower tercile RR OND 2016**



**SEASONAL FORECAST : Median tercile RR OND 2016**

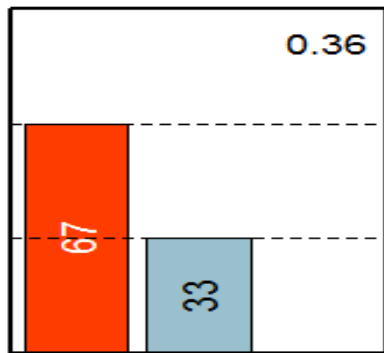


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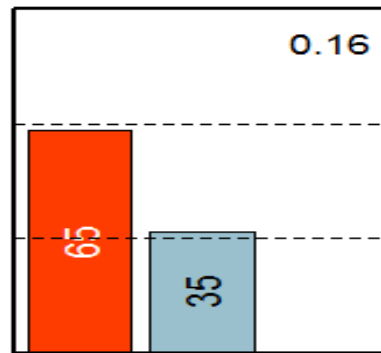




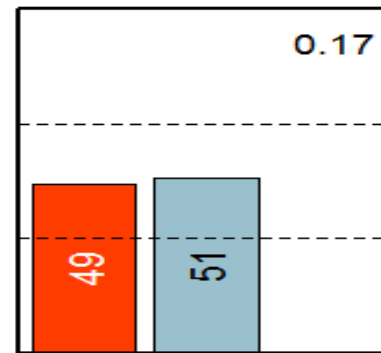
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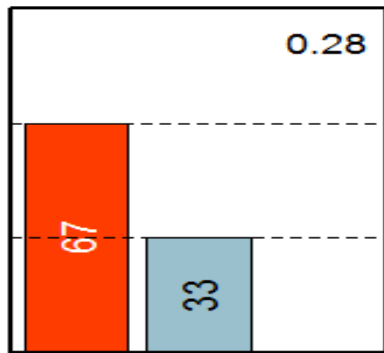
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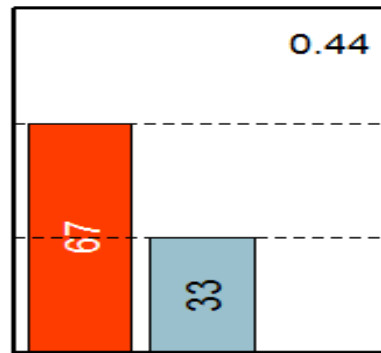
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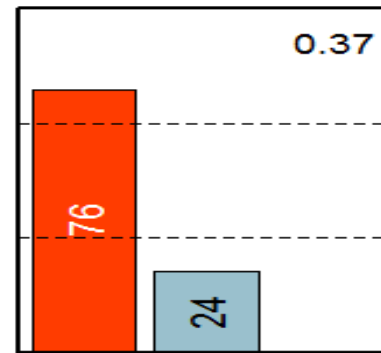
BeauChamps



SteMarie

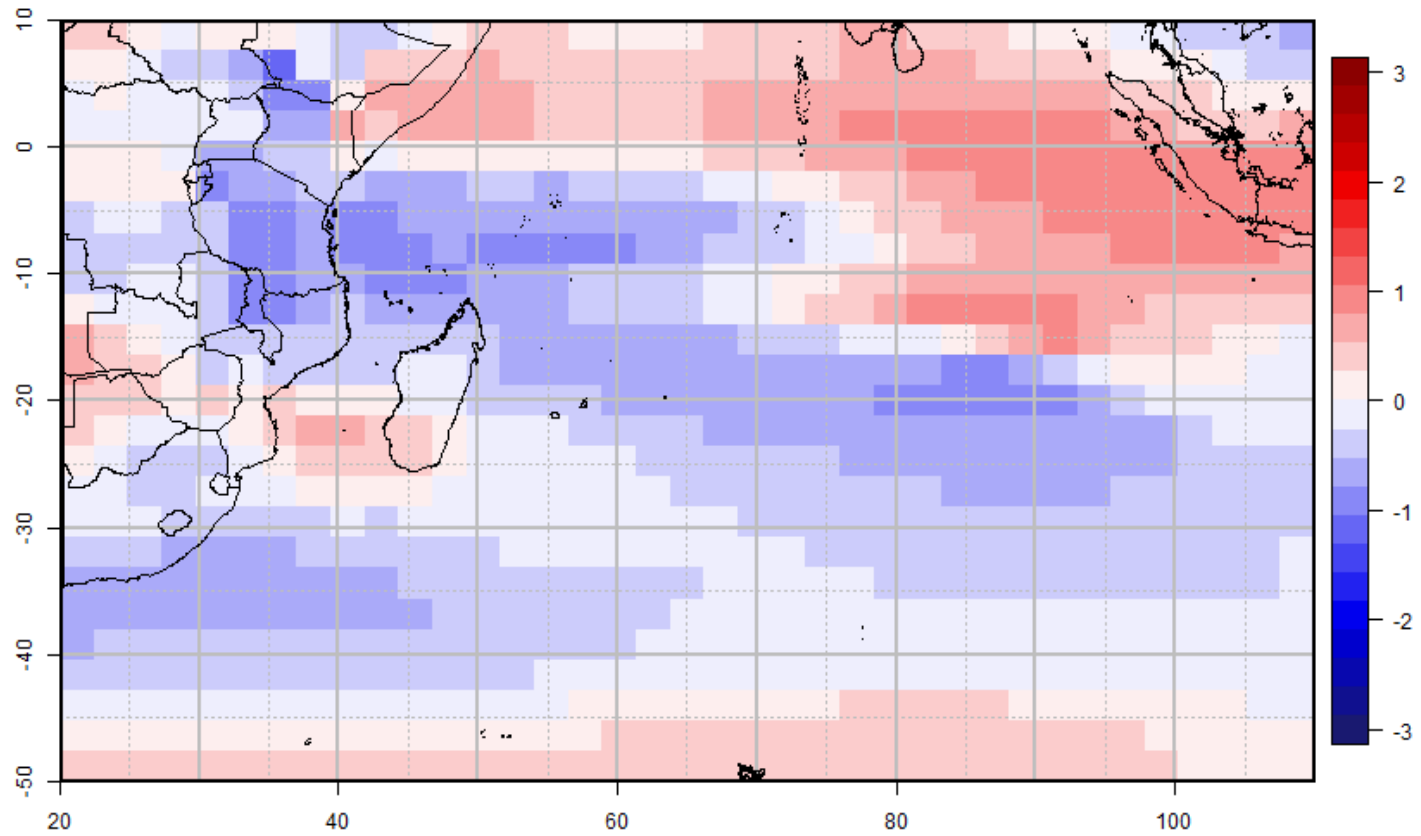


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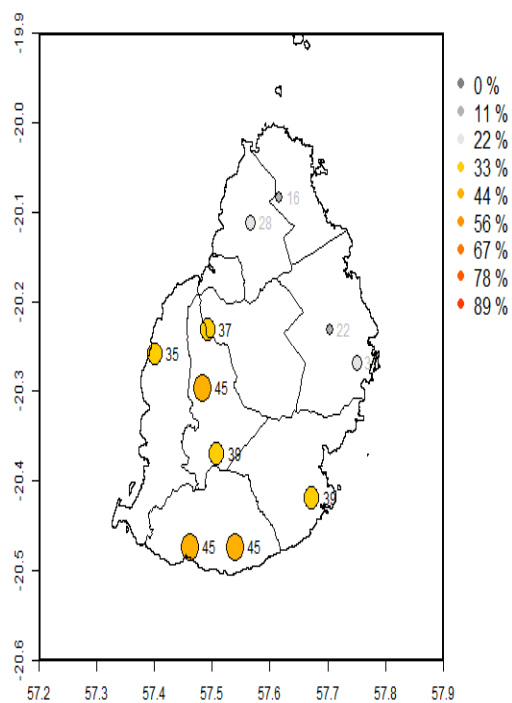
### Forecast ARP U850 OND 2016



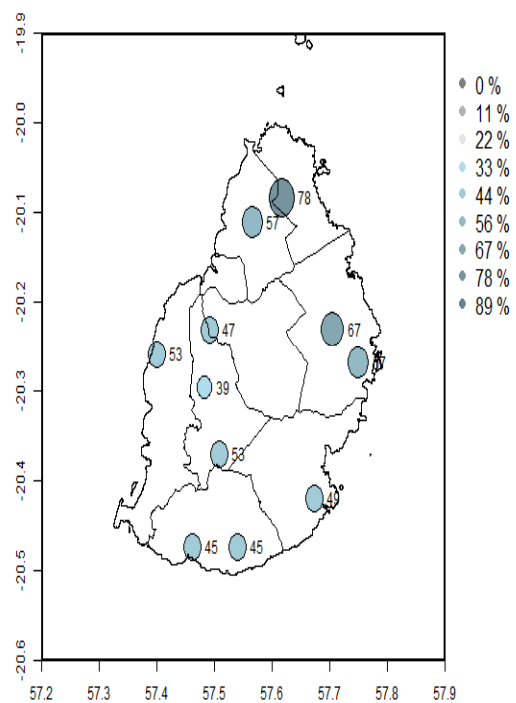




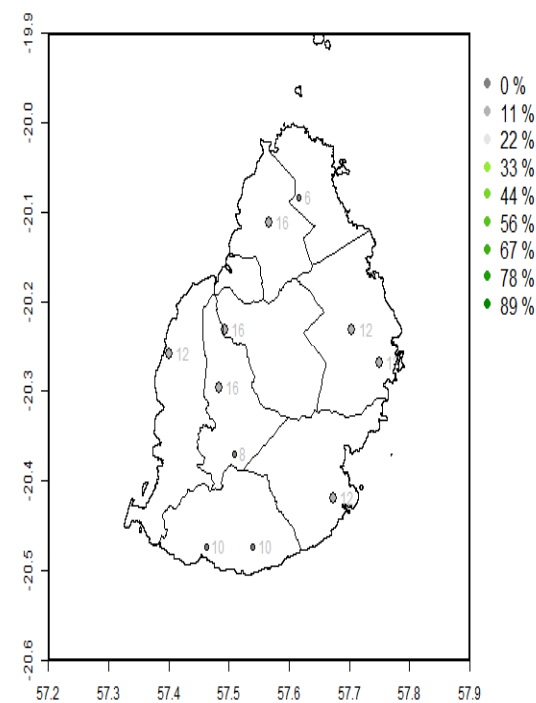
**SEASONAL FORECAST : Lower tercile RR OND 2016**

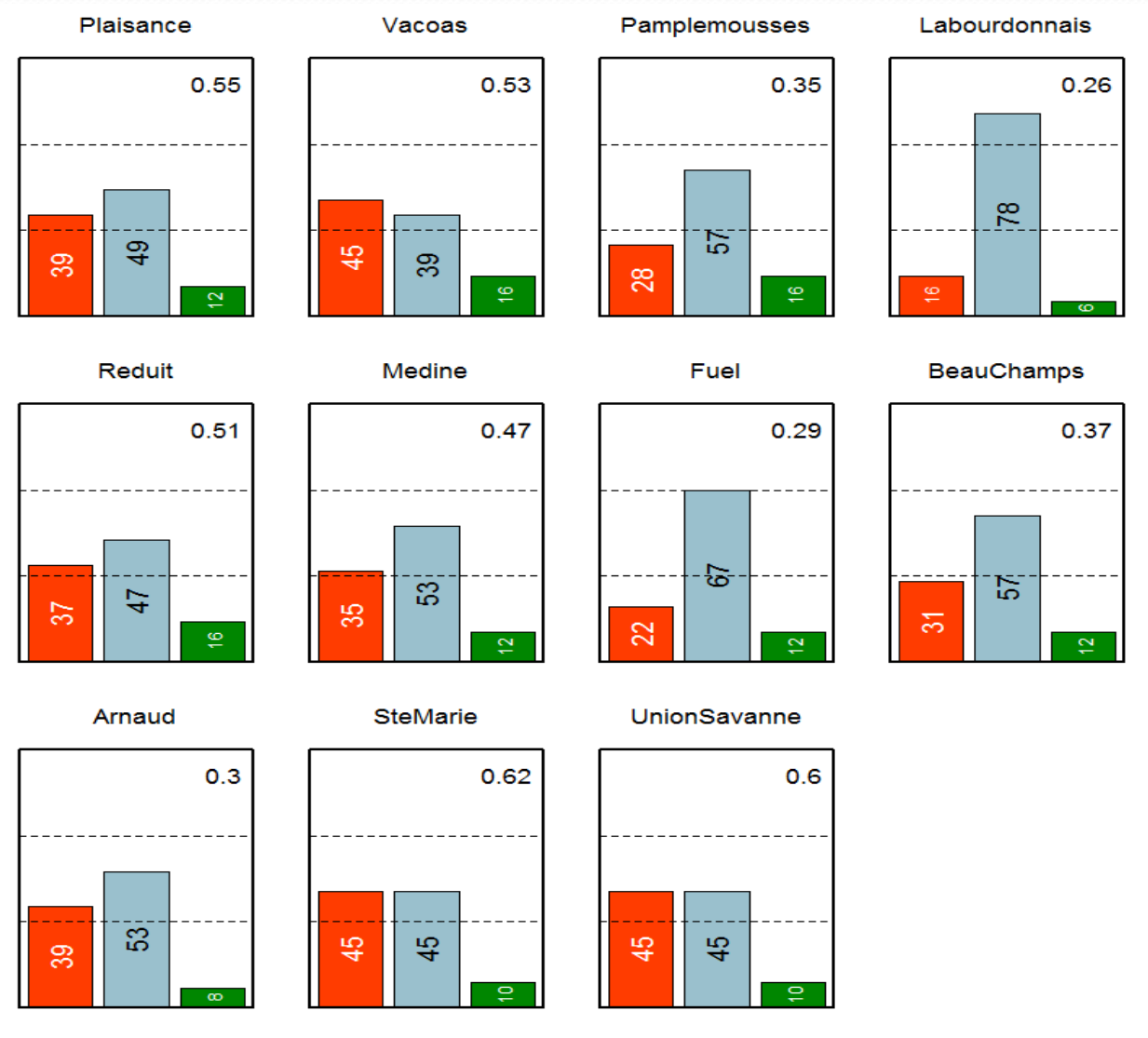


**SEASONAL FORECAST : Median tercile RR OND 2016**



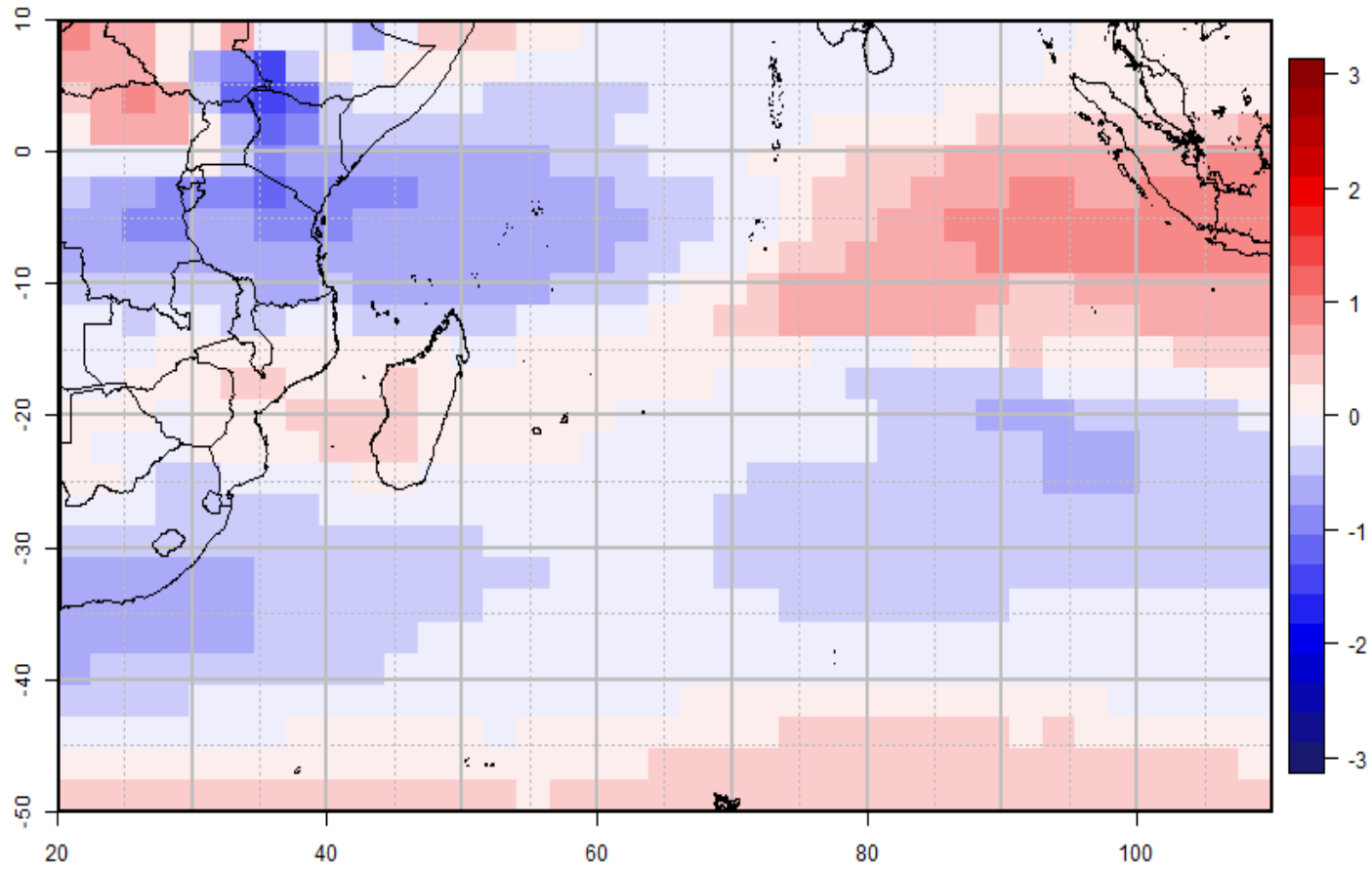
**SEASONAL FORECAST : Upper tercile RR OND 2016**





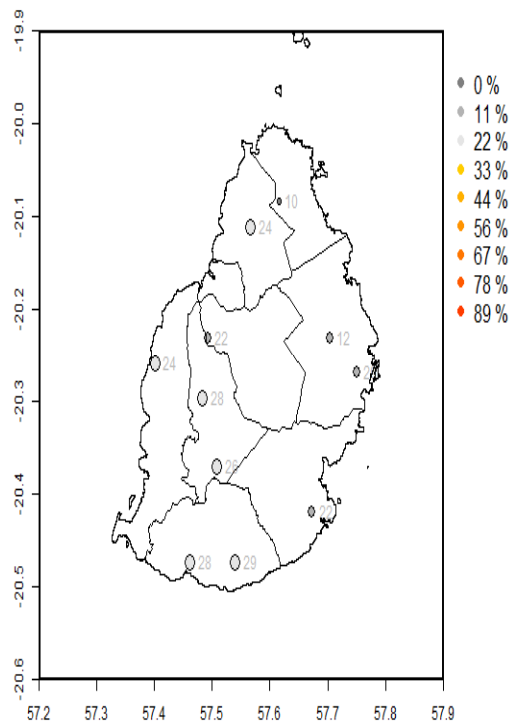


### Forecast CEP U850 OND 2016

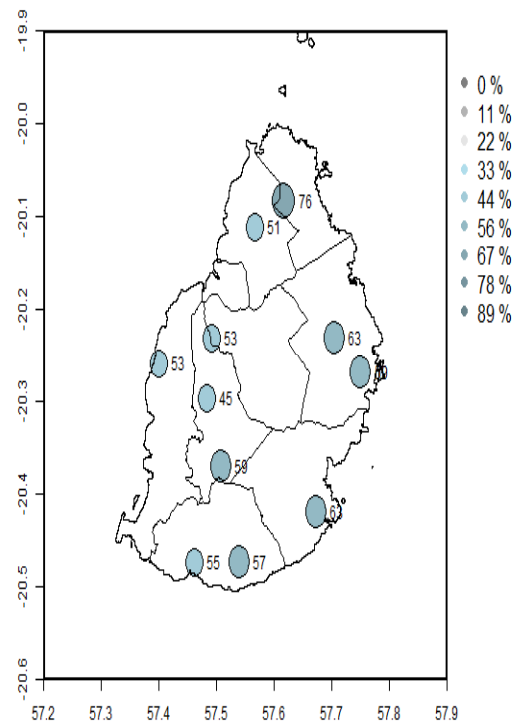




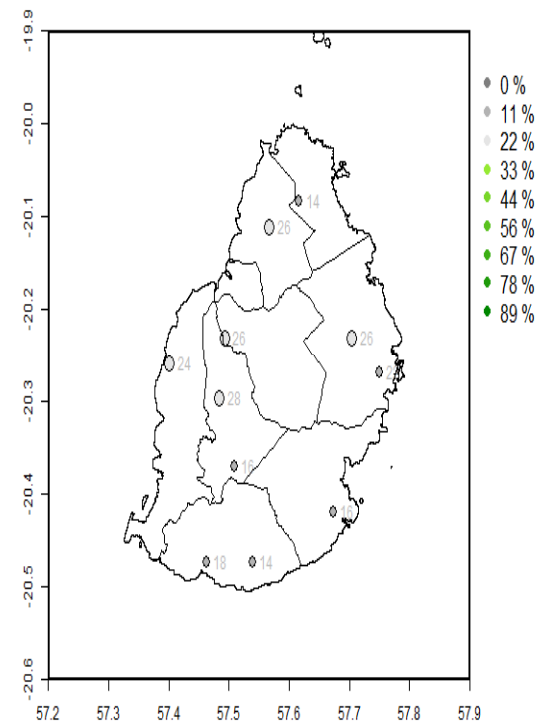
**SEASONAL FORECAST : Lower tercile RR OND 2016**

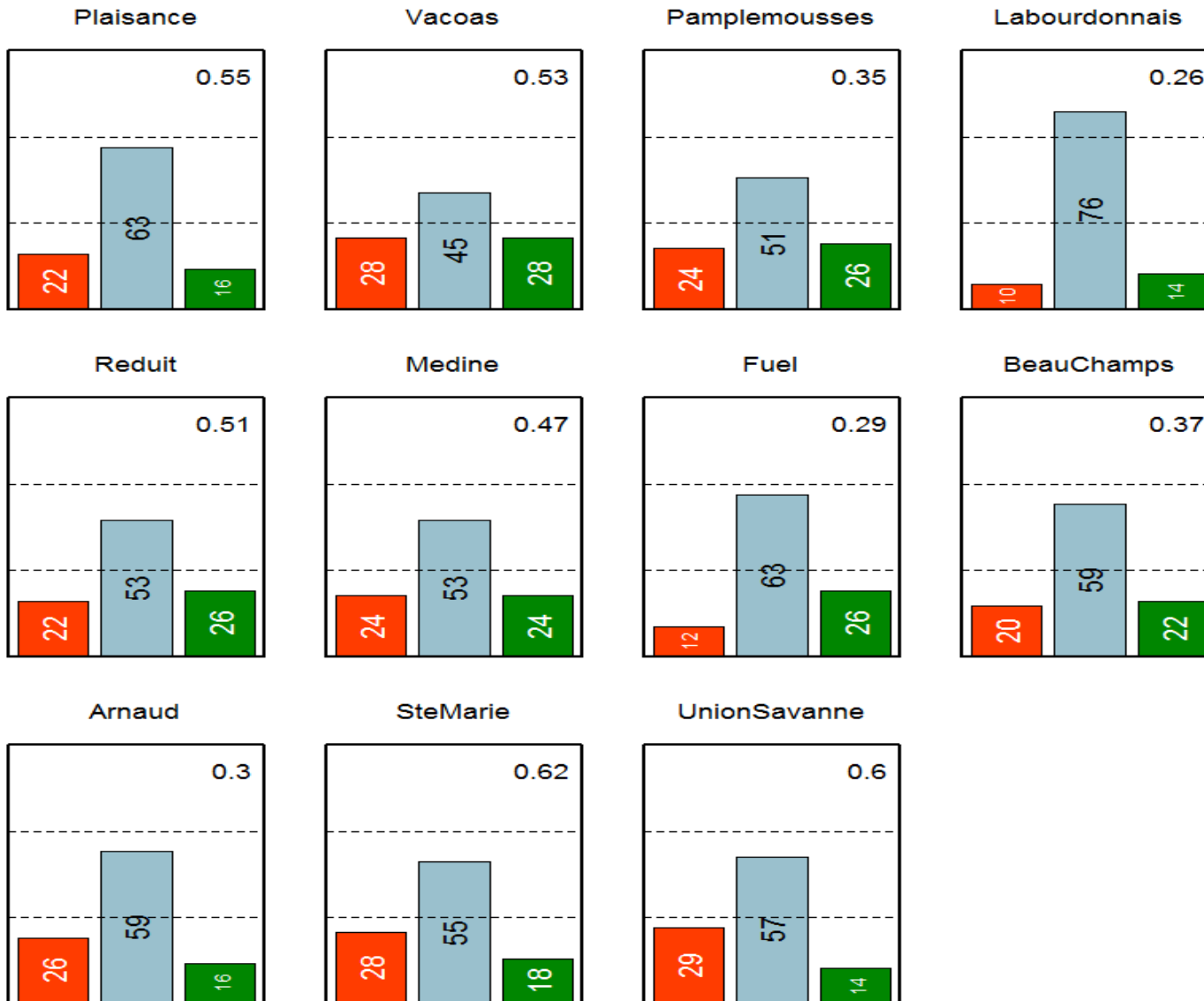


**SEASONAL FORECAST : Median tercile RR OND 2016**



**SEASONAL FORECAST : Upper tercile RR OND 2016**

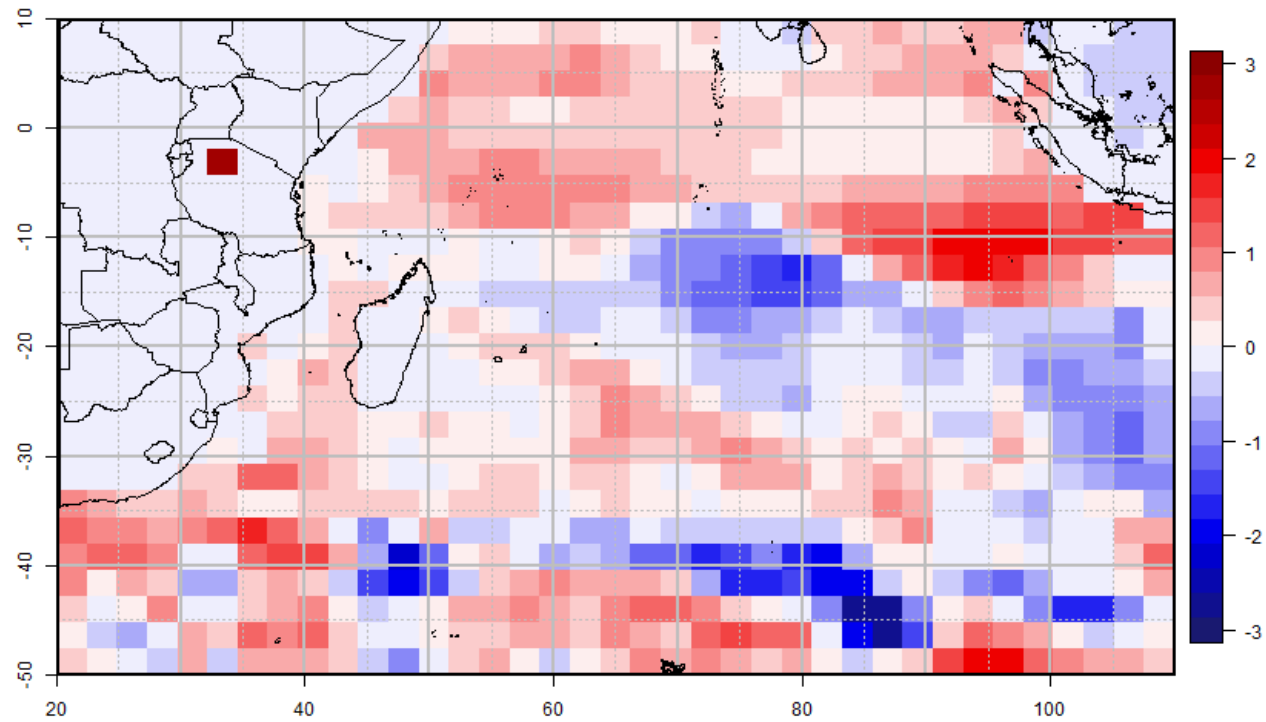






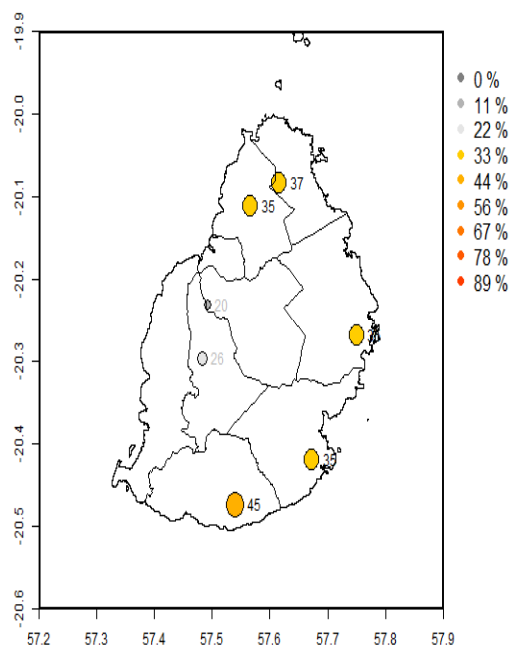
# NDJ

Forecast CEP SST NDJ 2016

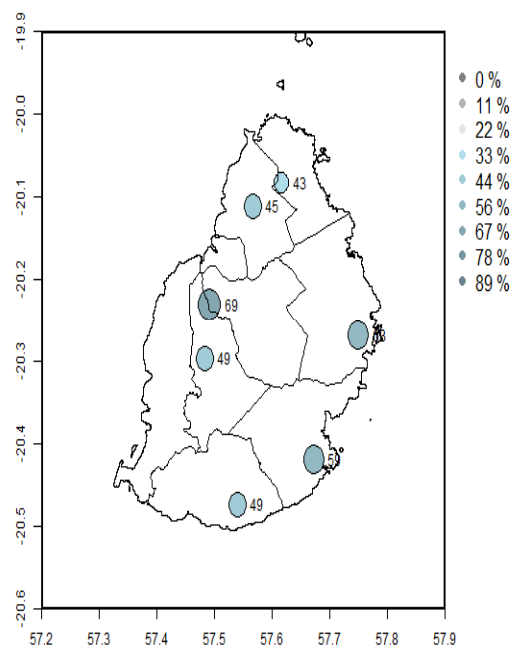




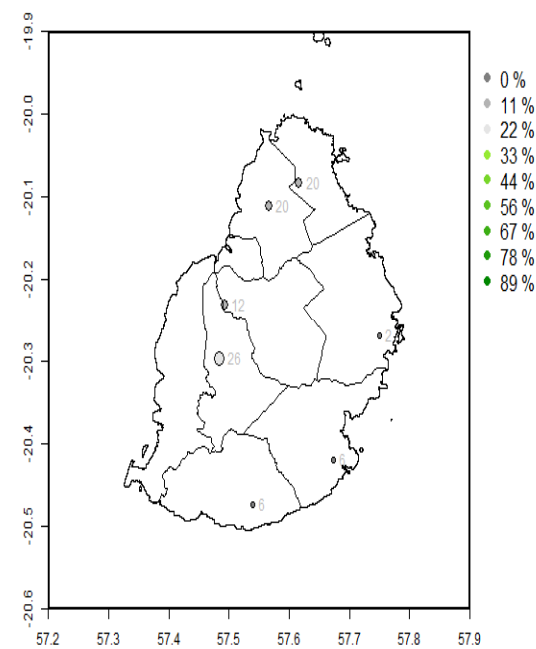
SEASONAL FORECAST : Lower tercile RR NDJ 2016



SEASONAL FORECAST : Median tercile RR NDJ 2016

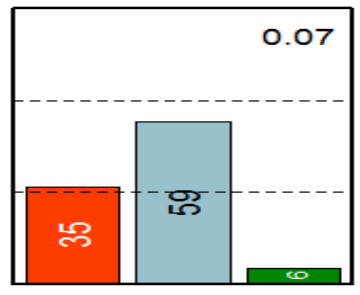


SEASONAL FORECAST : Upper tercile RR NDJ 2016

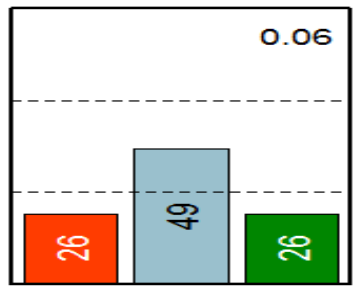




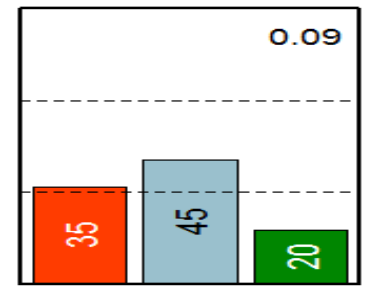
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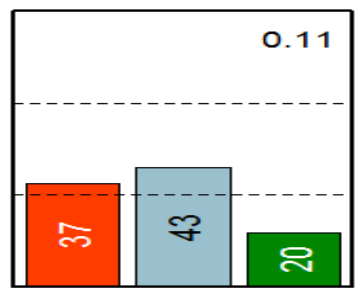
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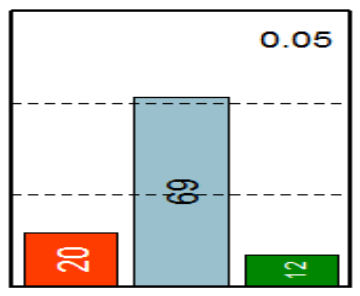
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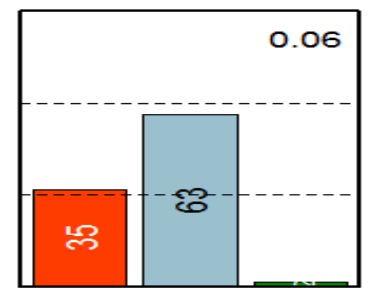
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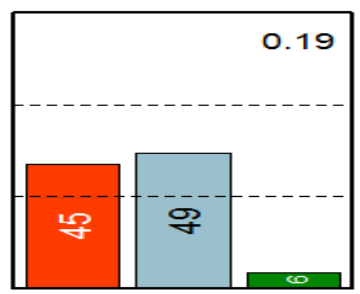
Redit



BeauChamps



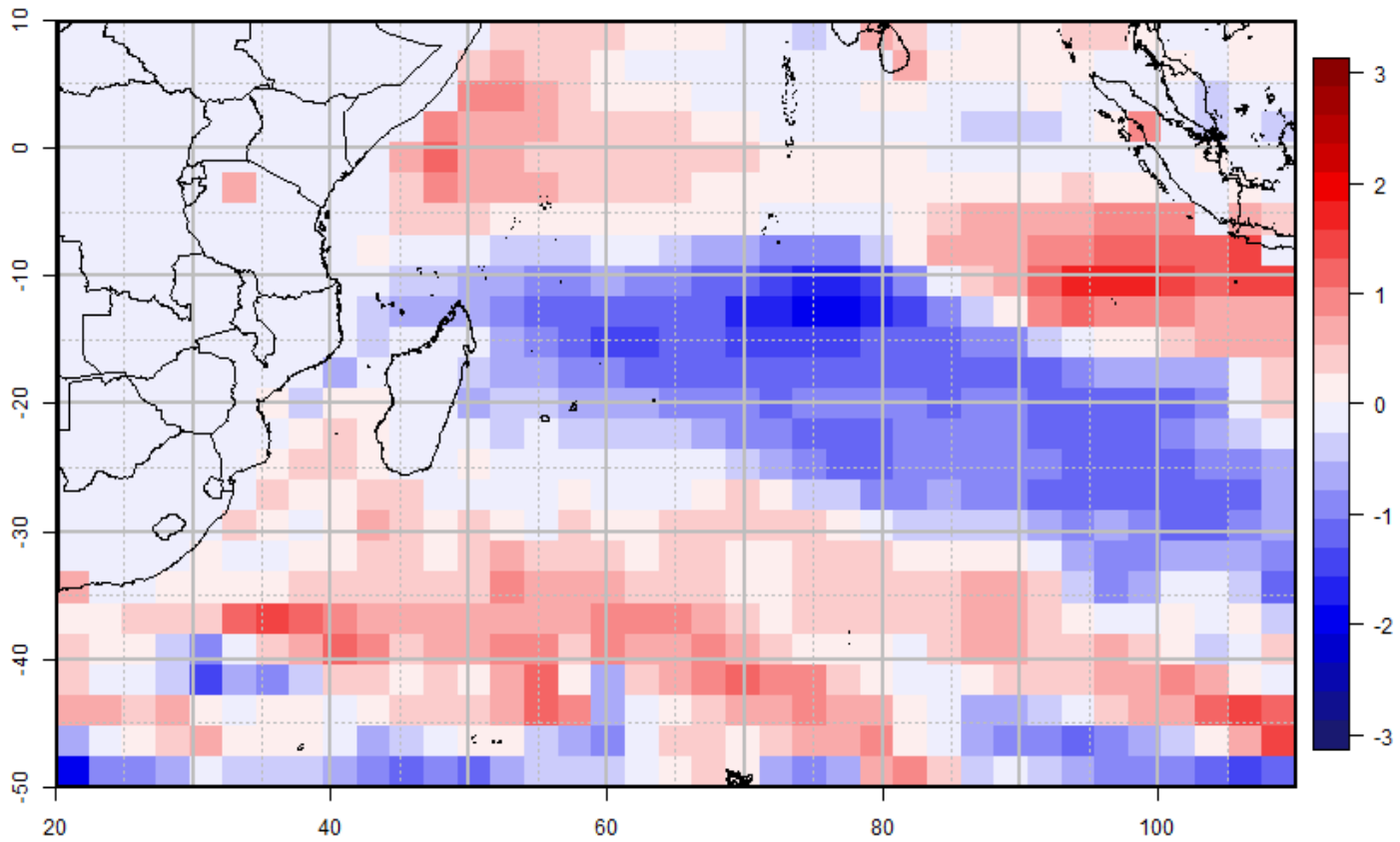
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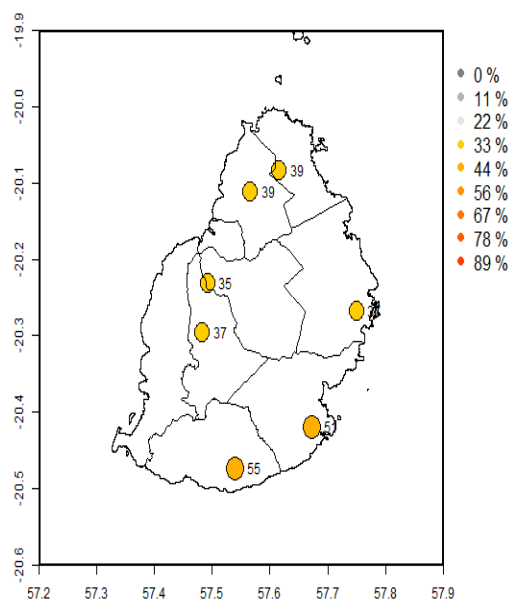


### Forecast ARP SST NDJ 2016

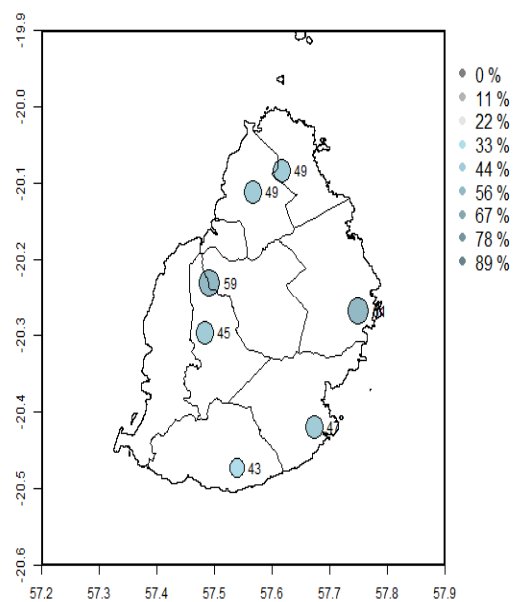




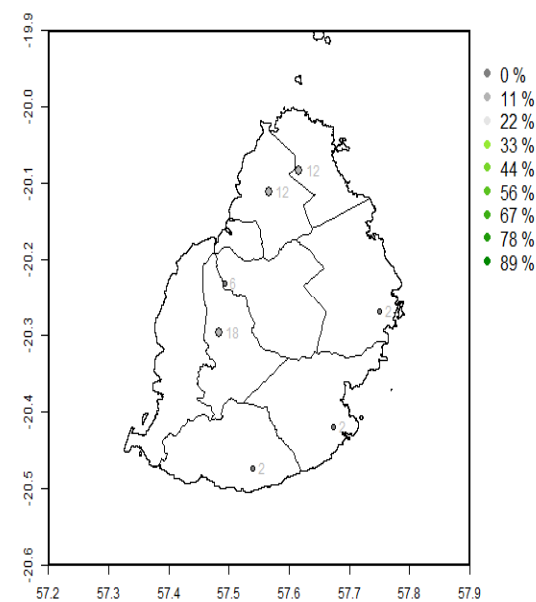
SEASONAL FORECAST : Lower tercile RR NDJ 2016



SEASONAL FORECAST : Median tercile RR NDJ 2016

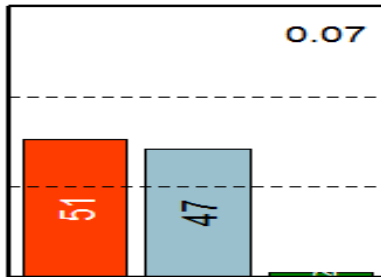


SEASONAL FORECAST : Upper tercile RR NDJ 2016

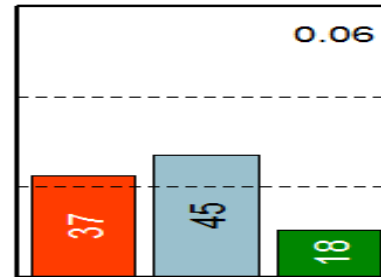




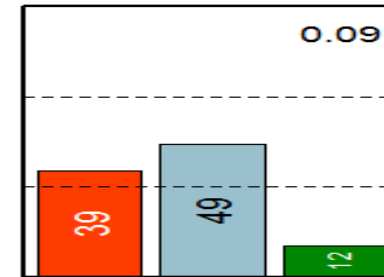
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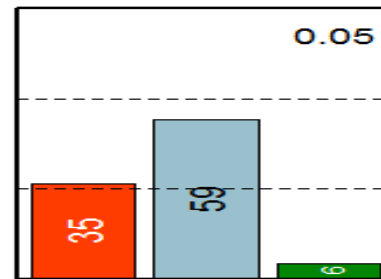
Pamplémousses



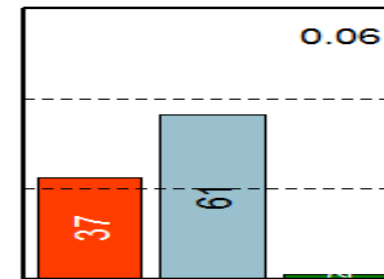
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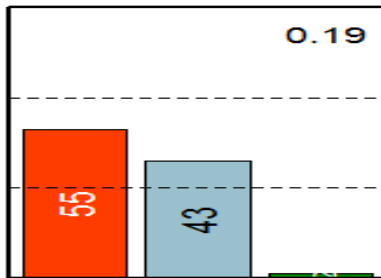
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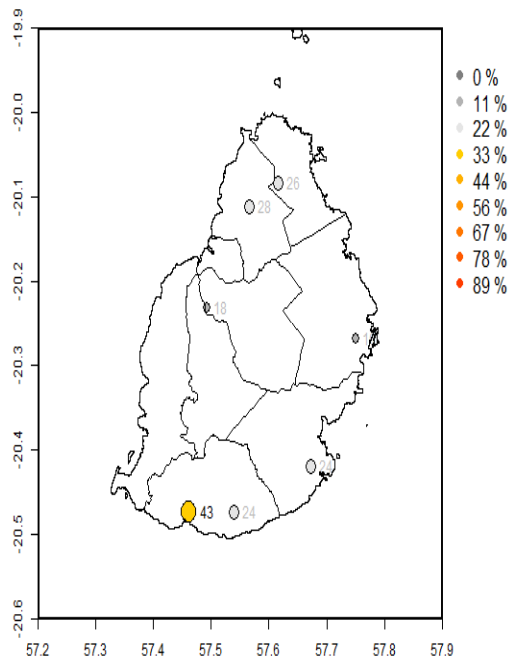
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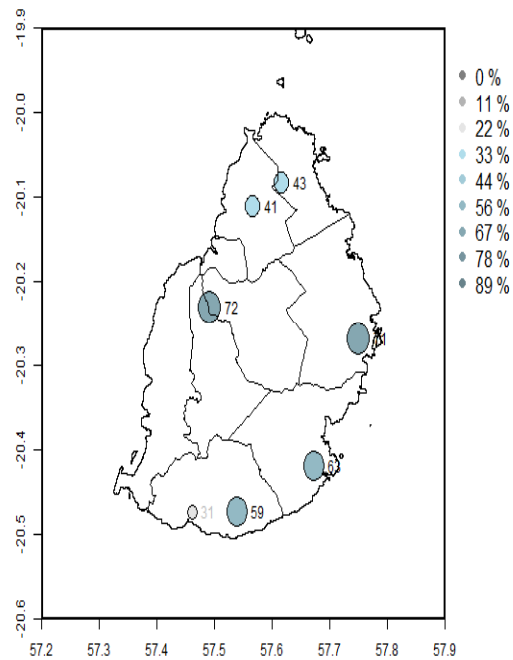


# NDJ ARP U850

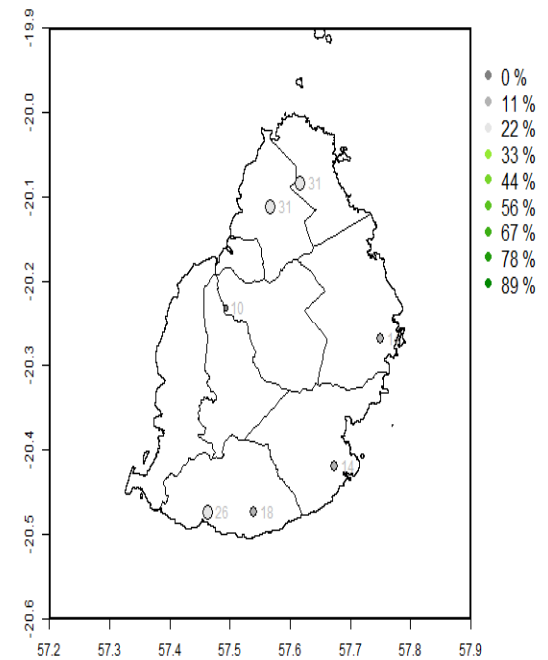
SEASONAL FORECAST : Lower tercile RR NDJ 2016



SEASONAL FORECAST : Median tercile RR NDJ 2016



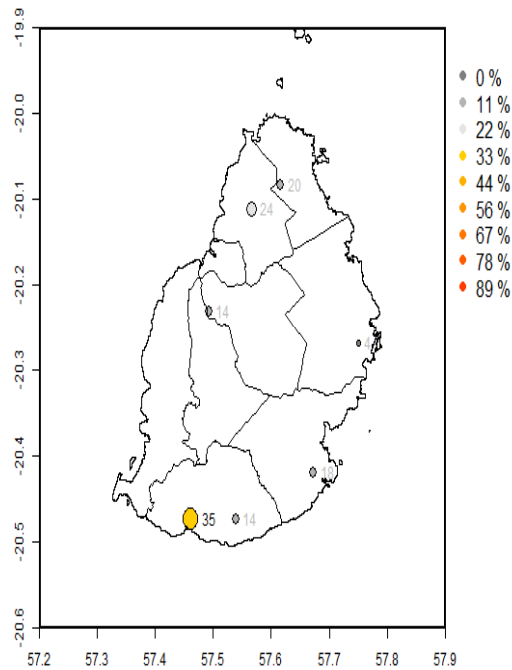
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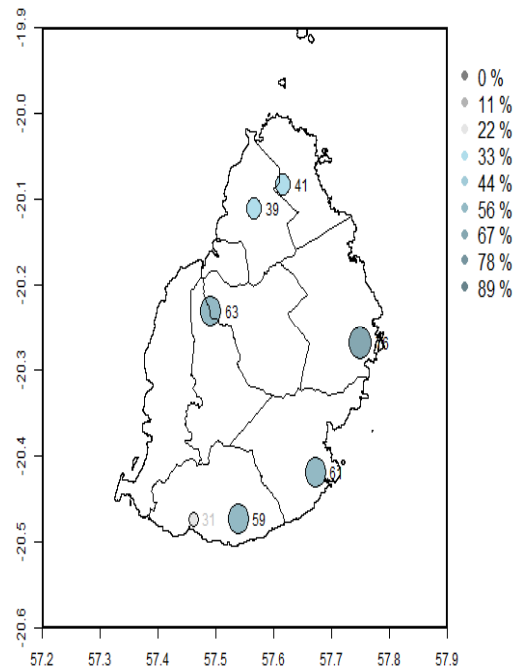


# NDJ CEP U850

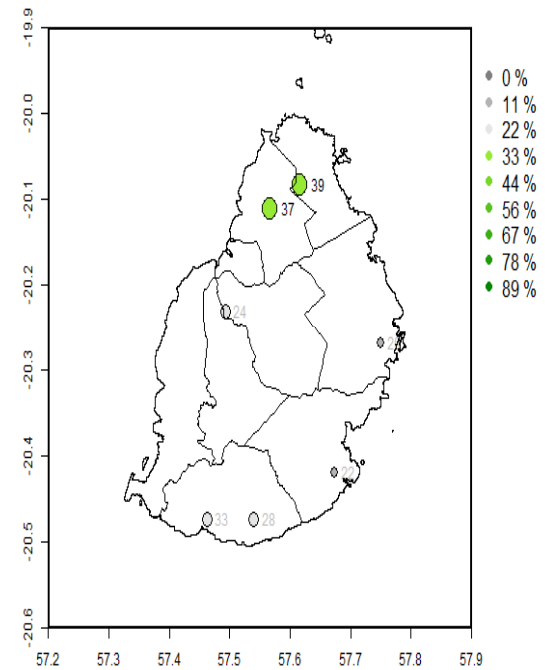
SEASONAL FORECAST : Lower tercile RR NDJ 2016



SEASONAL FORECAST : Median tercile RR NDJ 2016



SEASONAL FORECAST : Upper tercile RR NDJ 2016





- The same methodology was repeated with other models such as V850, MSLP, U200
- Some correlation was observed but not at all times



# Conclusions

- Rainfall will be normal to below normal for OND
- Rainfall will be normal for NDJ
- Following the consensus of SWIOCOF, the final conclusions are as follows:

| SEASON | BELOW | NORMAL | ABOVE |
|--------|-------|--------|-------|
| OND    | 40    | 50     | 10    |
| NDJ    | 30    | 50     | 20    |



**THANK YOU**