

TCI Kenya

Henrik Carlsen, Sara Talebian, Jan Volkholz

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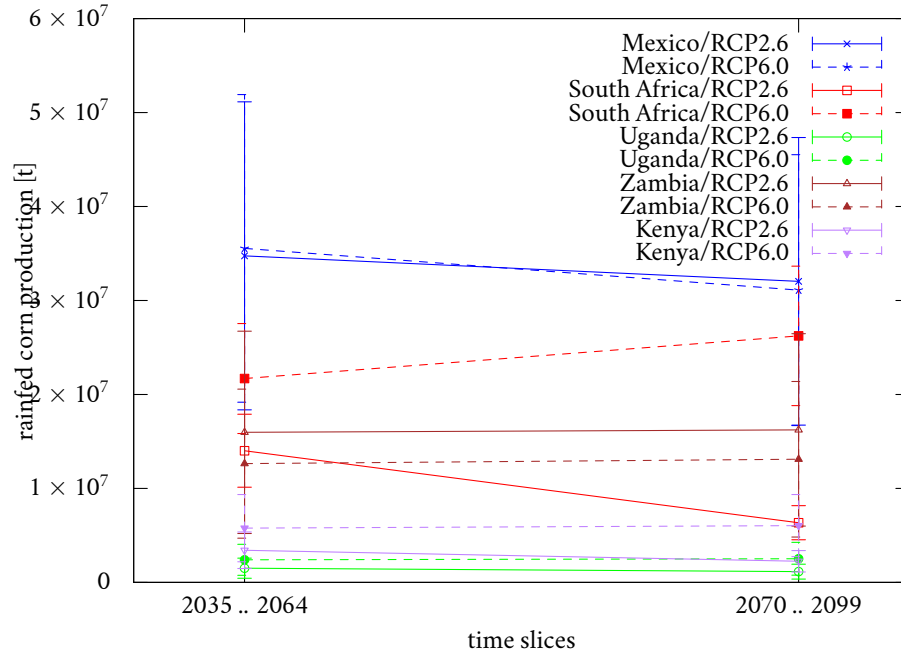
Contents

1	Corn	2
1.1	All countries	2
1.2	Mexico	3
1.3	South Africa	7
1.4	Uganda	11
1.5	Zambia	15
1.6	Kenya	19
1.7	Weighted production	23
2	Rice	24
2.1	All countries	24
2.2	Pakistan	25
2.3	Thailand	29
2.4	Kenya	33
2.5	Weighted production	37
3	Wheat	38
3.1	All countries	38
3.2	Russia	39
3.3	Argentina	43
3.4	Ukraine	47
3.5	Canada	51
3.6	Kenya	55
3.7	Weighted production	59

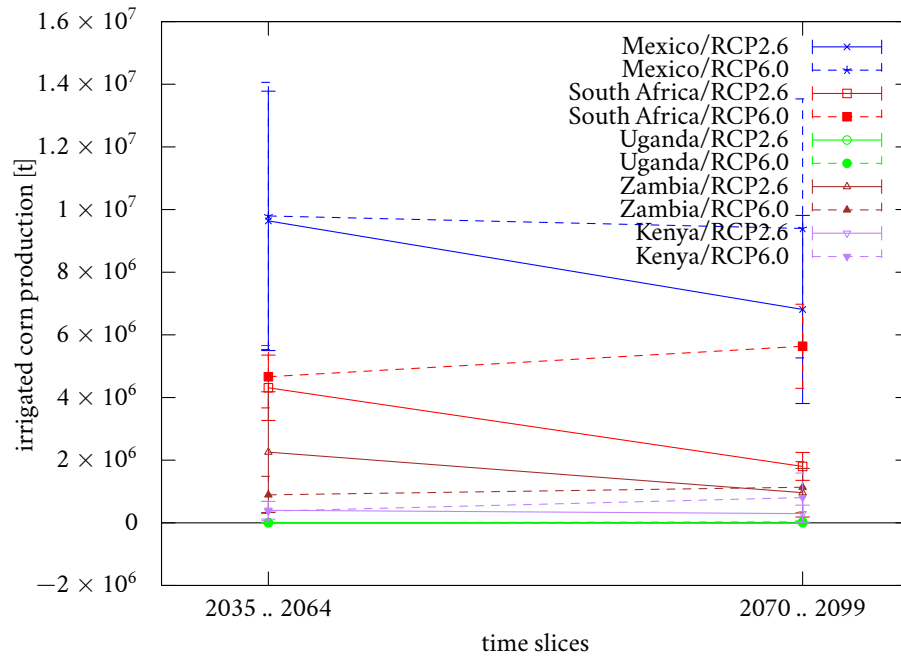
1 Corn

1.1 All countries

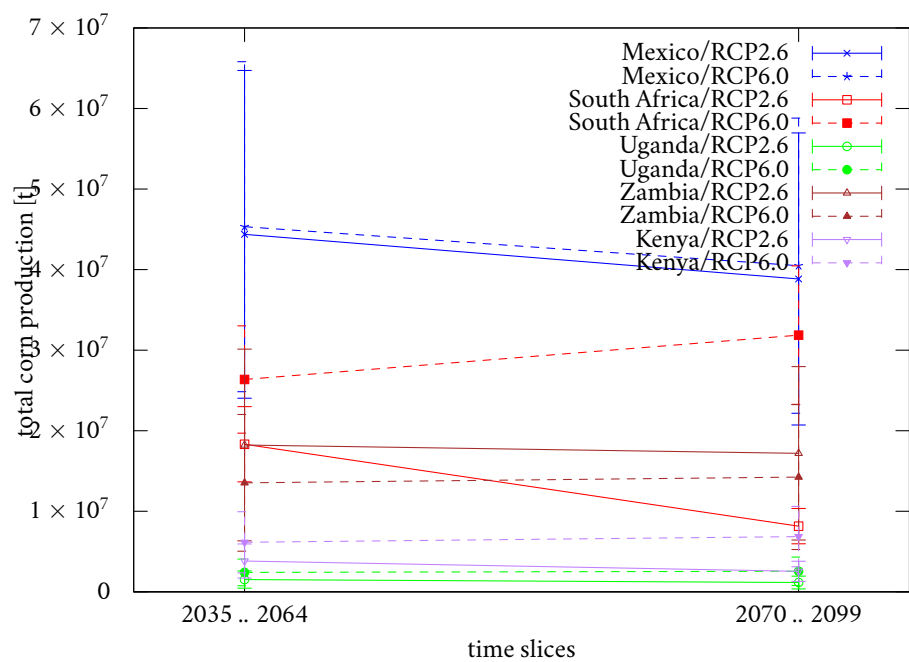
Rainfed



Irrigated

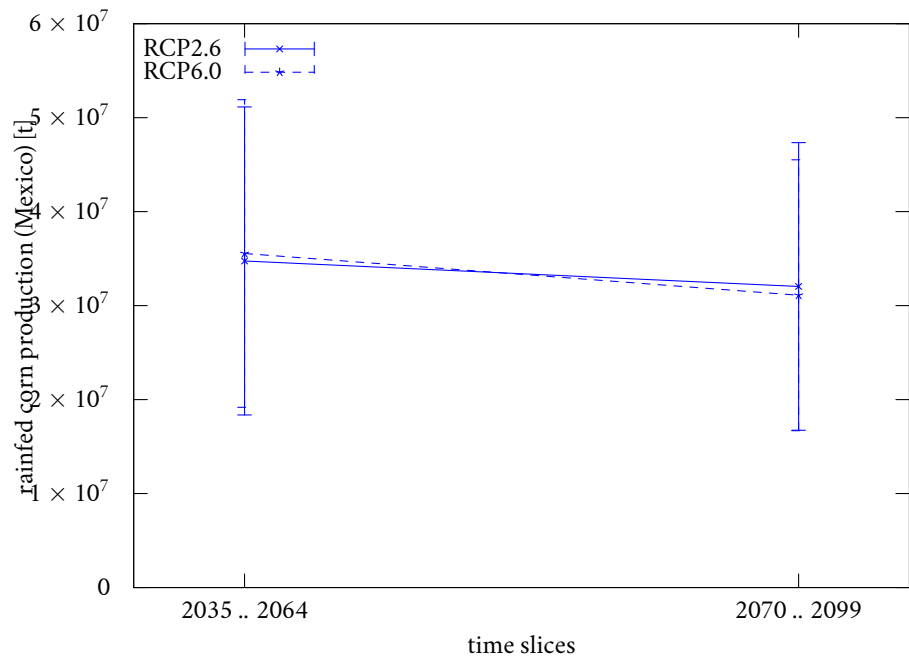


Total

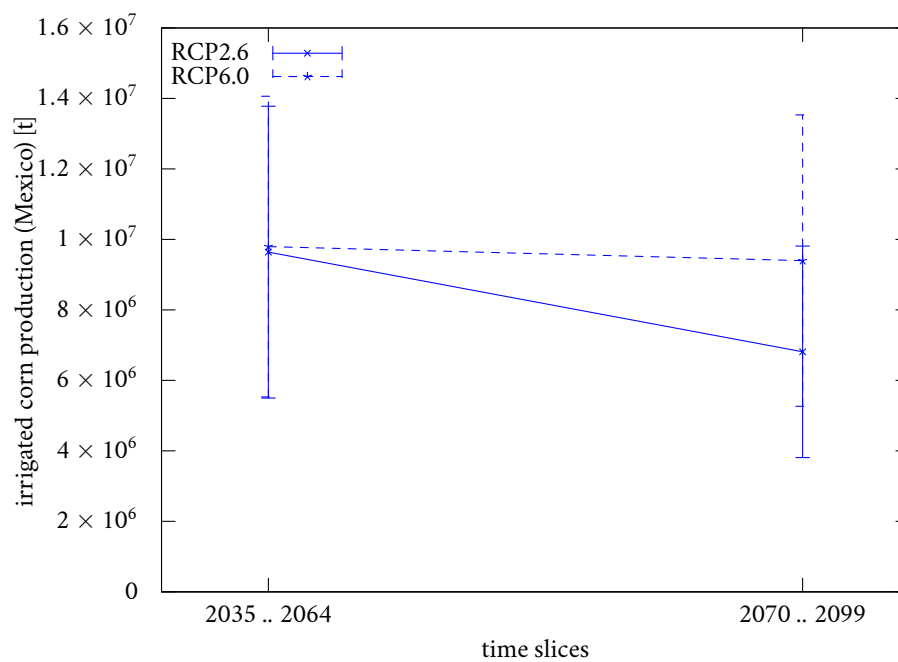


1.2 Mexico

Rainfed

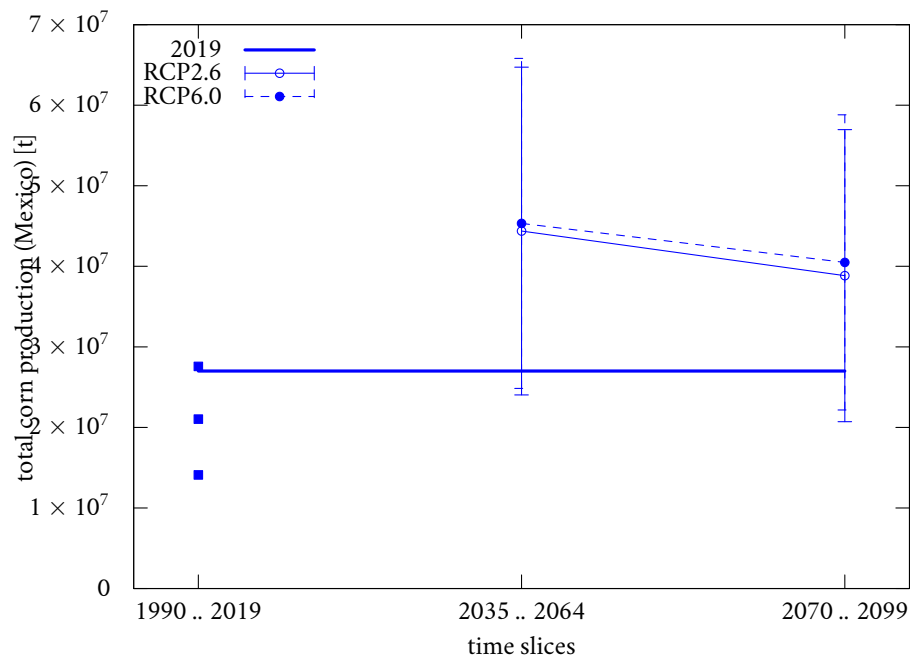


Irrigated



Total

Observed production 2019: 27000000 t



(The entry at 1990 .. 2019 shows the mean/min/max of the last 30 years. The future time slices, on the other hand, depict the mean across climate and impact models while the whiskers shows the standard deviation across models.)

RCP2.6 / 2035 .. 2064

climate model	crop model	rf production [t]	irr production [t]	total production [t]
GFDL-ESM2M	GEPIC	4.246805e+07	1.21196e+07	5.458373e+07
GFDL-ESM2M	LPJmL	1.492724e+07	4056973	1.898422e+07
GFDL-ESM2M	PEPIC	5.82019e+07	1.391781e+07	7.210956e+07
HadGEM2-ES	GEPIC	4.010412e+07	1.126008e+07	5.135391e+07
HadGEM2-ES	LPJmL	1.590132e+07	3806985	1.97083e+07
HadGEM2-ES	PEPIC	5.78128e+07	1.323146e+07	7.101916e+07
IPSL-CM5A-LR	GEPIC	3.241433e+07	1.165316e+07	4.405172e+07
IPSL-CM5A-LR	LPJmL	1.321437e+07	3890716	1.710509e+07
IPSL-CM5A-LR	PEPIC	4.99205e+07	1.353926e+07	6.342422e+07
MIROC5	GEPIC	3.269484e+07	1.12646e+07	4.394044e+07
MIROC5	LPJmL	1.310001e+07	3834862	1.693487e+07
MIROC5	PEPIC	4.623548e+07	1.308714e+07	5.929525e+07

Statistics:

	mean [t]	median [t]	standard deviation [t]
rainfed	34749580	36399480	1.63874e+07
irrigated	9.63855e+06	11458880	4.14024e+06
total	4.43759e+07	47702815	2.03461e+07

Total production per capita:

	SSP2	SSP1	SSP3	SSP2ZM	SSP2DM
population	1.57793e+08	1.48778e+08	1.84558e+08	1.69095e+08	1.47228e+08
total production per capita	0.281229	0.298269	0.240444	0.262432	0.301409

RCP6.0 / 2035 .. 2064

climate model	crop model	rf production [t]	irr production [t]	total production [t]
GFDL-ESM2M	GEPIC	3.75988e+07	1.191443e+07	4.950113e+07
GFDL-ESM2M	LPJmL	1.349727e+07	3995780	1.749305e+07
GFDL-ESM2M	PEPIC	5.233262e+07	1.401521e+07	6.632805e+07
HadGEM2-ES	GEPIC	3.676525e+07	1.218796e+07	4.894045e+07
HadGEM2-ES	LPJmL	1.473795e+07	4093598	1.883155e+07
HadGEM2-ES	PEPIC	5.2657e+07	1.43956e+07	6.70344e+07
IPSL-CM5A-LR	GEPIC	3.684384e+07	1.171296e+07	4.853314e+07
IPSL-CM5A-LR	LPJmL	1.503399e+07	3879464	1.891346e+07
IPSL-CM5A-LR	PEPIC	5.692255e+07	1.373832e+07	7.06043e+07
MIROC5	GEPIC	3.947691e+07	1.098012e+07	5.044936e+07
MIROC5	LPJmL	1.507304e+07	3681446	1.875449e+07
MIROC5	PEPIC	5.559218e+07	1.295755e+07	6.85285e+07

Statistics:

	mean [t]	median [t]	standard deviation [t]
rainfed	3.55443e+07	37221320	1.63687e+07
irrigated	9.79604e+06	11813695	4.26551e+06
total	45325990	49220790	2.04878e+07

Total production per capita:

	SSP2	SSP1	SSP3	SSP2ZM	SSP2DM
population	1.57793e+08	1.48778e+08	1.84558e+08	1.69095e+08	1.47228e+08
total production per capita	0.28725	0.304655	0.245592	0.26805	0.307863

RCP2.6 / 2070 .. 2099

climate model	crop model	rf production [t]	irr production [t]	total production [t]
GFDL-ESM2M	GEPIC	4.057816e+07	9005088	4.95815e+07
GFDL-ESM2M	LPJmL	1.42323e+07	2994634	1.722694e+07
GFDL-ESM2M	PEPIC	5.595852e+07	1.035514e+07	6.630545e+07
HadGEM2-ES	GEPIC	3.603505e+07	7582606	4.361211e+07
HadGEM2-ES	LPJmL	1.472853e+07	2561396	1.728992e+07
HadGEM2-ES	PEPIC	5.26463e+07	8931532	6.1568e+07
IPSL-CM5A-LR	GEPIC	2.997796e+07	8948656	3.890874e+07
IPSL-CM5A-LR	LPJmL	1.203622e+07	2930146	1.496637e+07
IPSL-CM5A-LR	PEPIC	4.56222e+07	1.020543e+07	5.579512e+07
MIROC5	GEPIC	2.950679e+07	7333362	3.68311e+07
MIROC5	LPJmL	1.152729e+07	2453599	1.398089e+07
MIROC5	PEPIC	4.159792e+07	8425826	5.000765e+07

Statistics:

	mean [t]	median [t]	standard deviation [t]
rainfed	32037270	33006505	1.5302e+07
irrigated	6.81062e+06	8004216	3.00154e+06
total	3.88395e+07	41260425	1.81309e+07

Total production per capita:

	SSP2	SSP1	SSP3	SSP2ZM	SSP2DM
population	1.52405e+08	1.35842e+08	232873000	1.78402e+08	1.30152e+08
total production per capita	0.254844	0.285917	0.166784	0.217708	0.298416

RCP6.0 / 2070 .. 2099

climate model	crop model	rf production [t]	irr production [t]	total production [t]
GFDL-ESM2M	GEPIC	3.305077e+07	1.226031e+07	4.529998e+07
GFDL-ESM2M	LPJmL	1.221799e+07	4054863	1.627285e+07
GFDL-ESM2M	PEPIC	4.720628e+07	1.424609e+07	6.143651e+07
HadGEM2-ES	GEPIC	3.192441e+07	1.183679e+07	4.37493e+07
HadGEM2-ES	LPJmL	1.367981e+07	4000251	1.768006e+07
HadGEM2-ES	PEPIC	4.639653e+07	1.393353e+07	6.030948e+07
IPSL-CM5A-LR	GEPIC	2.815012e+07	1.051494e+07	3.863838e+07
IPSL-CM5A-LR	LPJmL	1.254063e+07	3427941	1.596857e+07
IPSL-CM5A-LR	PEPIC	4.862468e+07	1.222248e+07	6.080371e+07
MIROC5	GEPIC	3.50551e+07	1.042832e+07	4.546501e+07
MIROC5	LPJmL	1.408593e+07	3514212	1.760014e+07
MIROC5	PEPIC	5.02981e+07	1.233482e+07	6.261013e+07

Statistics:

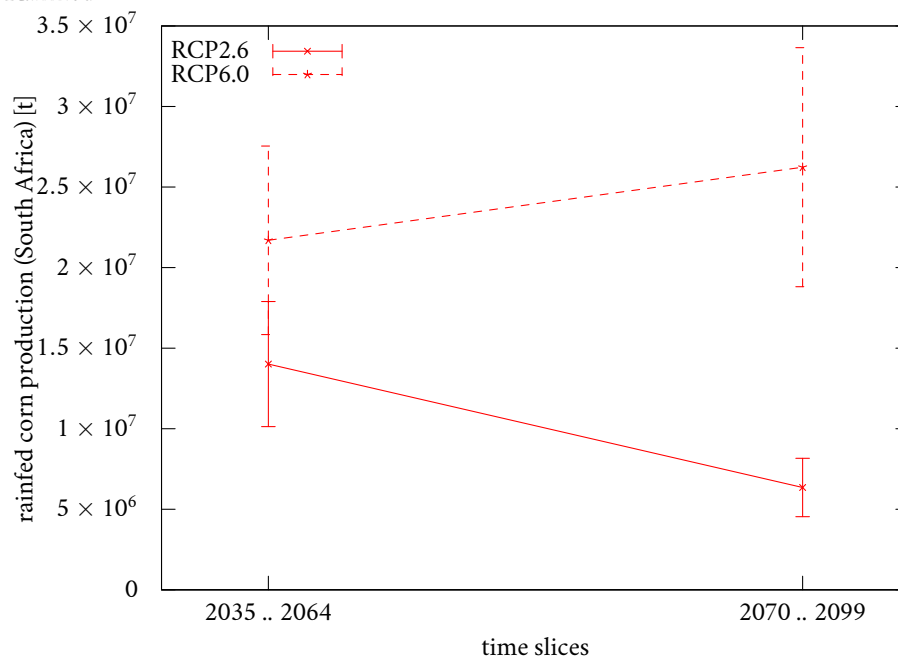
	mean [t]	median [t]	standard deviation [t]
rainfed	3.11025e+07	32487590	1.44102e+07
irrigated	9.39788e+06	11175865	4.13393e+06
total	4.04862e+07	44524640	1.832e+07

Total production per capita:

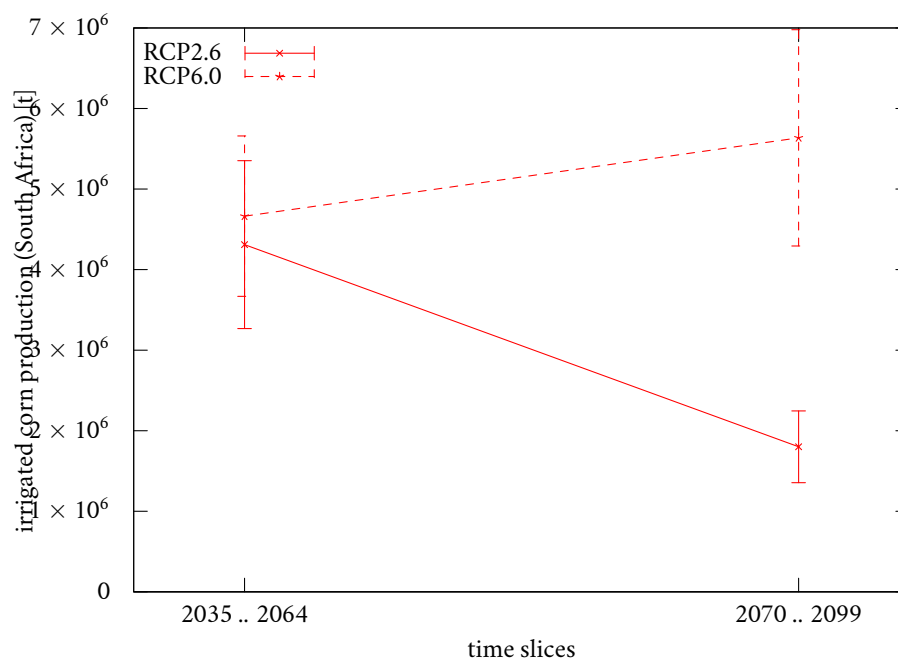
	SSP2	SSP1	SSP3	SSP2ZM	SSP2DM
population	1.52405e+08	1.35842e+08	232873000	1.78402e+08	1.30152e+08
total production per capita	0.265649	0.298039	0.173855	0.226938	0.311069

1.3 South Africa

Rainfed

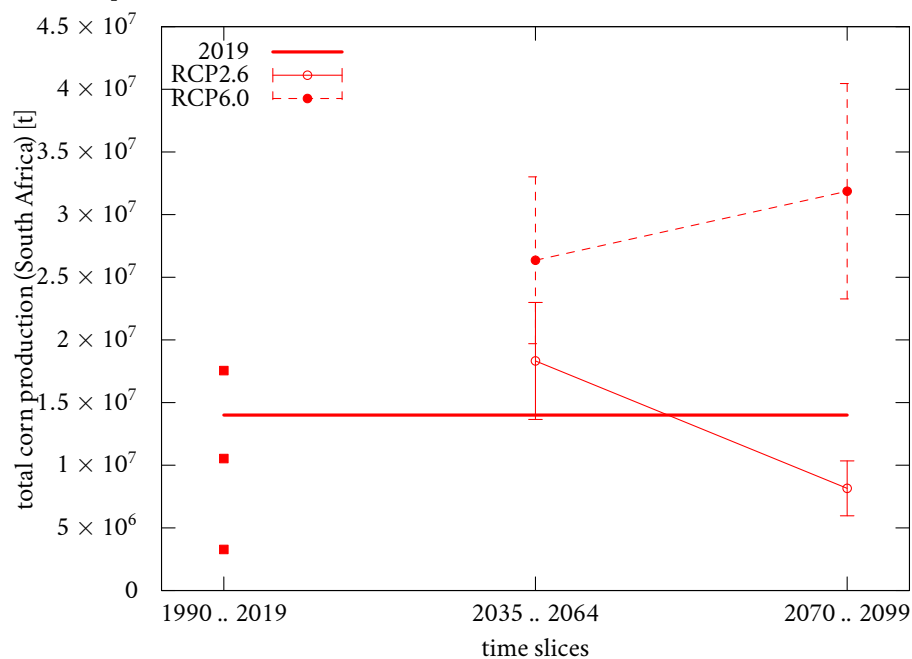


Irrigated



Total

Observed production 2019: 14000000 t



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RCP2.6 / 2035 .. 2064

climate model	crop model	rf production [t]	irr production [t]	total production [t]
GFDL-ESM2M	GEPIC	1.503287e+07	4593553	1.962643e+07
GFDL-ESM2M	LPJmL	1.061332e+07	4236410	1.484973e+07
GFDL-ESM2M	PEPIC	1.874283e+07	6374960	2.511779e+07
HadGEM2-ES	GEPIC	1.534241e+07	3058961	1.840137e+07
HadGEM2-ES	LPJmL	1.003012e+07	2781772	1.28119e+07
HadGEM2-ES	PEPIC	1.857491e+07	4242462	2.281737e+07
IPSL-CM5A-LR	GEPIC	1.604951e+07	4212428	2.026194e+07
IPSL-CM5A-LR	LPJmL	1.000402e+07	3856380	1.38604e+07
IPSL-CM5A-LR	PEPIC	2.000366e+07	5967903	2.597075e+07
MIROC5	GEPIC	1.176859e+07	3783041	1.55512e+07
MIROC5	LPJmL	7246240	3430788	1.067703e+07
MIROC5	PEPIC	1.472345e+07	5184694	1.990602e+07

Statistics:

	mean [t]	median [t]	standard deviation [t]
rainfed	1.4011e+07	14878160	3.88211e+06
irrigated	4.31028e+06	4224419	1.04222e+06
total	1.8321e+07	19013900	4.66656e+06

Total production per capita:

	SSP2	SSP1	SSP3	SSP2ZM	SSP2DM
population	7.02578e+07	6.81121e+07	7.4421e+07	6.7241e+07	73183450
total production per capita	0.260768	0.268983	0.246181	0.272468	0.250343

RCP6.0 / 2035 .. 2064

climate model	crop model	rf production [t]	irr production [t]	total production [t]
GFDL-ESM2M	GEPIC	2.434238e+07	4152807	2.849519e+07
GFDL-ESM2M	LPJmL	1.760283e+07	3779058	2.138189e+07
GFDL-ESM2M	PEPIC	3.264918e+07	6047256	3.869644e+07
HadGEM2-ES	GEPIC	2.101761e+07	4405342	2.542285e+07
HadGEM2-ES	LPJmL	1.657275e+07	4103933	2.067668e+07
HadGEM2-ES	PEPIC	2.730918e+07	6362250	3.367143e+07
IPSL-CM5A-LR	GEPIC	1.763677e+07	4357291	2.199399e+07
IPSL-CM5A-LR	LPJmL	1.257282e+07	3928957	1.650178e+07
IPSL-CM5A-LR	PEPIC	2.402387e+07	6150333	3.017412e+07
MIROC5	GEPIC	2.276018e+07	3775481	2.653554e+07
MIROC5	LPJmL	1.476227e+07	3461138	1.822341e+07
MIROC5	PEPIC	2.908733e+07	5439992	3.452684e+07

Statistics:

	mean [t]	median [t]	standard deviation [t]
rainfed	2.16948e+07	21888895	5.85174e+06
irrigated	4.66365e+06	4255049	996014
total	2.63583e+07	25979195	6.65764e+06

Total production per capita:

	SSP2	SSP1	SSP3	SSP2ZM	SSP2DM
population	7.02578e+07	6.81121e+07	7.4421e+07	6.7241e+07	73183450
total production per capita	0.375165	0.386984	0.354178	0.391997	0.360167

RCP2.6 / 2070 .. 2099

climate model	crop model	rf production [t]	irr production [t]	total production [t]
GFDL-ESM2M	GEPIC	7117248	1613652	8730899
GFDL-ESM2M	LPJmL	4782902	1519024	6301927
GFDL-ESM2M	PEPIC	7694048	2166557	9860604
HadGEM2-ES	GEPIC	6427404	1414022	7841384
HadGEM2-ES	LPJmL	4927200	1320367	6247568
HadGEM2-ES	PEPIC	7581714	1888947	9470661
IPSL-CM5A-LR	GEPIC	4938732	1404042	6342714
IPSL-CM5A-LR	LPJmL	2964550	1355228	4319778
IPSL-CM5A-LR	PEPIC	5383546	1923397	7306943
MIROC5	GEPIC	8589149	2082351	1.067144e+07
MIROC5	LPJmL	6053752	1996277	8050029
MIROC5	PEPIC	9751957	2921548	1.267293e+07

Statistics:

	mean [t]	median [t]	standard deviation [t]
rainfed	6.35102e+06	6240578	1.81338e+06
irrigated	1800451	1.7513e+06	445433
total	8.15141e+06	7.94571e+06	2.19108e+06

Total production per capita:

	SSP2	SSP1	SSP3	SSP2ZM	SSP2DM
population	71217550	6.61946e+07	8.47778e+07	6.45839e+07	7.74827e+07
total production per capita	0.114458	0.123143	0.0961503	0.126214	0.105203

RCP6.0 / 2070 .. 2099

climate model	crop model	rf production [t]	irr production [t]	total production [t]
GFDL-ESM2M	GEPIC	2.466433e+07	4885272	2.95496e+07
GFDL-ESM2M	LPJmL	1.759977e+07	4381958	2.198173e+07
GFDL-ESM2M	PEPIC	3.660262e+07	7165391	4.376801e+07
HadGEM2-ES	GEPIC	2.507693e+07	5336783	3.041359e+07
HadGEM2-ES	LPJmL	1.979397e+07	4790538	2.458451e+07
HadGEM2-ES	PEPIC	3.36818e+07	7691300	4.13731e+07
IPSL-CM5A-LR	GEPIC	2.481292e+07	5652274	3.046495e+07
IPSL-CM5A-LR	LPJmL	1.660045e+07	5022432	2.162289e+07
IPSL-CM5A-LR	PEPIC	3.57899e+07	8218586	4.400849e+07
MIROC5	GEPIC	2.482594e+07	4285794	2.911123e+07
MIROC5	LPJmL	1.80451e+07	3939655	2.198476e+07
MIROC5	PEPIC	3.729769e+07	6260856	4.355695e+07

Statistics:

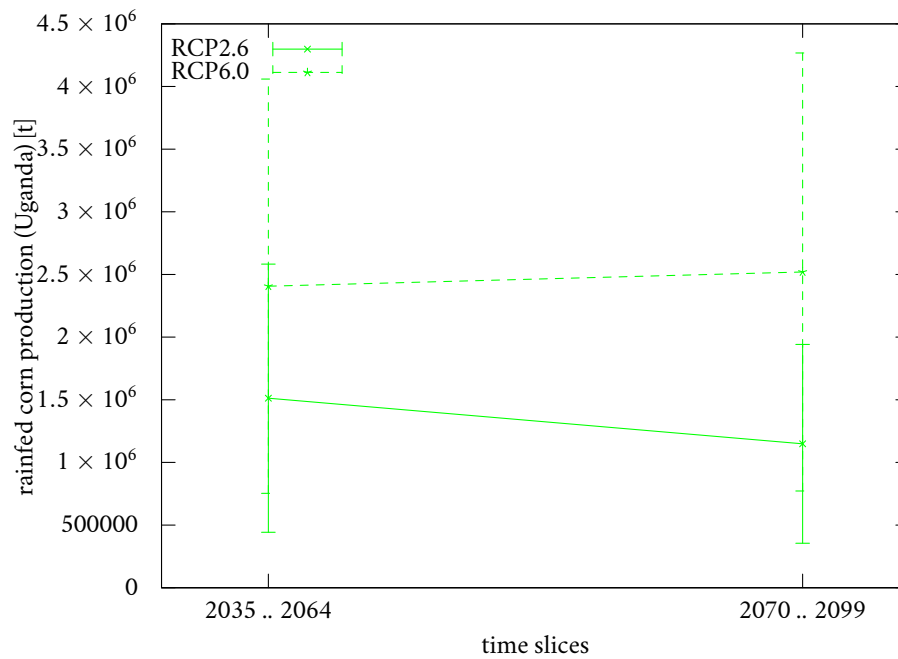
	mean [t]	median [t]	standard deviation [t]
rainfed	2.62326e+07	24819430	7.41839e+06
irrigated	5.6359e+06	5.17961e+06	1.34293e+06
total	3.18683e+07	29981595	8.5949e+06

Total production per capita:

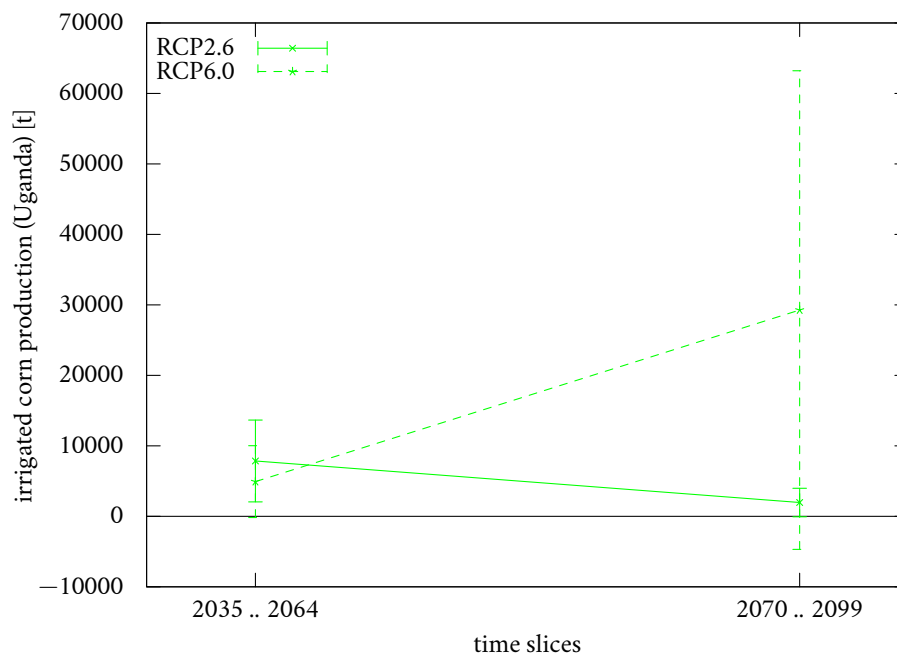
	SSP2	SSP1	SSP3	SSP2ZM	SSP2DM
population	71217550	6.61946e+07	8.47778e+07	6.45839e+07	7.74827e+07
total production per capita	0.447478	0.481434	0.375904	0.49344	0.411296

1.4 Uganda

Rainfed

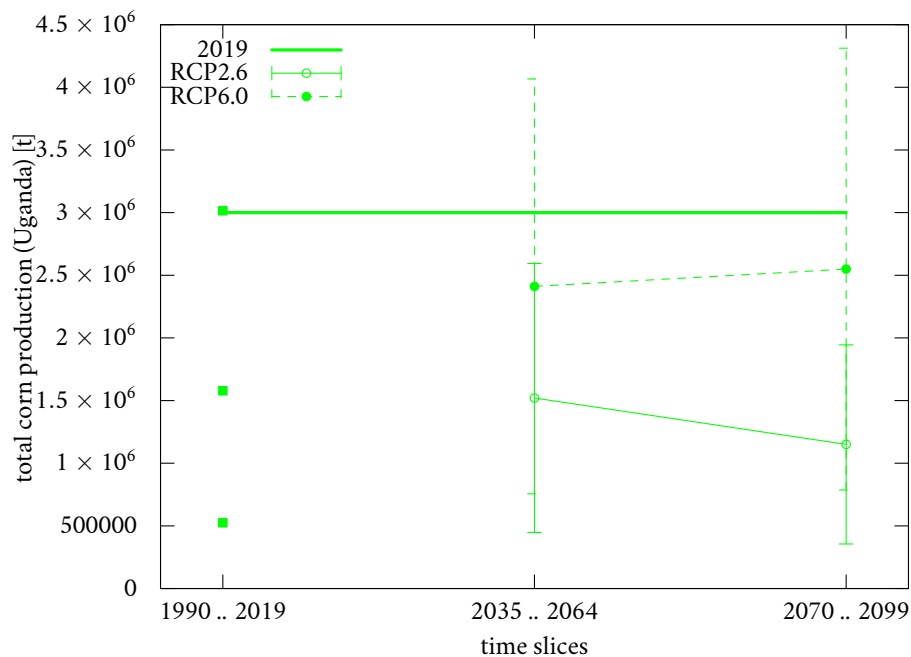


Irrigated



Total

Observed production 2019: 3000000 t



(The entry at 1990 .. 2019 shows the mean/min/max of the last 30 years. The future time slices, on the other hand, depict the mean across climate and impact models while the whiskers shows the standard deviation across models.)

RCP2.6 / 2035 .. 2064

climate model	crop model	rf production [t]	irr production [t]	total production [t]
GFDL-ESM2M	GEPIC	916536.8	14644.83	931181.6
GFDL-ESM2M	LPJmL	248059.4	1992.937	250052.3
GFDL-ESM2M	PEPIC	1782201	20037.82	1802239
HadGEM2-ES	GEPIC	1709389	6616.458	1716006
HadGEM2-ES	LPJmL	351423.9	911.2867	352335.2
HadGEM2-ES	PEPIC	3136266	9163.609	3145430
IPSL-CM5A-LR	GEPIC	1473361	6658.582	1480020
IPSL-CM5A-LR	LPJmL	315233.5	883.0353	316116.5
IPSL-CM5A-LR	PEPIC	2766853	9449.97	2776303
MIROC5	GEPIC	1765854	9359.24	1775214
MIROC5	LPJmL	358456.2	1405.315	359861.5
MIROC5	PEPIC	3325460	13129.24	3338589

Statistics:

	mean [t]	median [t]	standard deviation [t]
rainfed	1.51242e+06	1591375	1.0701e+06
irrigated	7854.36	7911.1	5806.68
total	1.52028e+06	1598013	1.07357e+06

Total production per capita:

	SSP2	SSP1	SSP3	SSP2ZM	SSP2DM
population	96404150	69662250	1.18722e+08	9.83587e+07	94488250
total production per capita	0.0157699	0.0218236	0.0128054	0.0154565	0.0160896

RCP6.0 / 2035 .. 2064

climate model	crop model	rf production [t]	irr production [t]	total production [t]
GFDL-ESM2M	GEPIC	1672301	2538.535	1674840
GFDL-ESM2M	LPJmL	463063.8	374.7393	463438.5
GFDL-ESM2M	PEPIC	3552840	3587.692	3556427
HadGEM2-ES	GEPIC	2830729	2583.604	2833312
HadGEM2-ES	LPJmL	535907.4	392.4935	536299.9
HadGEM2-ES	PEPIC	5024376	3683.539	5028060
IPSL-CM5A-LR	GEPIC	2756224	5445.826	2761670
IPSL-CM5A-LR	LPJmL	569479.4	737.0986	570216.5
IPSL-CM5A-LR	PEPIC	5066371	7807.755	5074179
MIROC5	GEPIC	2188543	12196.7	2200740
MIROC5	LPJmL	400594.9	1876.789	402471.7
MIROC5	PEPIC	3814618	17864.55	3832483

Statistics:

	mean [t]	median [t]	standard deviation [t]
rainfed	2.40625e+06	2.47238e+06	1.65298e+06
irrigated	4924.11	3085.65	5094.74
total	2.41118e+06	2481205	1.65559e+06

Total production per capita:

	SSP2	SSP1	SSP3	SSP2ZM	SSP2DM
population	96404150	69662250	1.18722e+08	9.83587e+07	94488250
total production per capita	0.0250112	0.0346124	0.0203095	0.0245142	0.0255183

RCP2.6 / 2070 .. 2099

climate model	crop model	rf production [t]	irr production [t]	total production [t]
GFDL-ESM2M	GEPIC	786824.6	844.0035	787668.6
GFDL-ESM2M	LPJmL	210168.4	105.0415	210273.4
GFDL-ESM2M	PEPIC	1487458	1207.869	1488666
HadGEM2-ES	GEPIC	1345787	1728.145	1347515
HadGEM2-ES	LPJmL	298763.5	226.3562	298989.8
HadGEM2-ES	PEPIC	2536951	2358.177	2539309
IPSL-CM5A-LR	GEPIC	1188189	5067.637	1193256
IPSL-CM5A-LR	LPJmL	272274.7	613.6983	272888.3
IPSL-CM5A-LR	PEPIC	2263374	7045.37	2270419
MIROC5	GEPIC	1085878	1693.216	1087571
MIROC5	LPJmL	224370.6	252.5638	224623.2
MIROC5	PEPIC	2078852	2368.971	2081220

Statistics:

	mean [t]	median [t]	standard deviation [t]
rainfed	1.14824e+06	1.13703e+06	793238
irrigated	1959.25	1450.54	2019.79
total	1.1502e+06	1.14041e+06	794586

Total production per capita:

	SSP2	SSP1	SSP3	SSP2ZM	SSP2DM
population	150852500	8.07904e+07	2.41025e+08	157588950	1.44431e+08
total production per capita	0.00762467	0.0142368	0.00477212	0.00729874	0.00796366

RCP6.0 / 2070 .. 2099

climate model	crop model	rf production [t]	irr production [t]	total production [t]
GFDL-ESM2M	GEPIC	1972675	81793.2	2054463
GFDL-ESM2M	LPJmL	519627.6	12592.21	532219.8
GFDL-ESM2M	PEPIC	4382420	119656.9	4502076
HadGEM2-ES	GEPIC	2725454	20241.2	2745695
HadGEM2-ES	LPJmL	526139.8	3017.532	529157.2
HadGEM2-ES	PEPIC	4821150	29125.45	4850275
IPSL-CM5A-LR	GEPIC	2998655	16904.56	3015560
IPSL-CM5A-LR	LPJmL	615144.9	2289.689	617434.6
IPSL-CM5A-LR	PEPIC	5593256	24442.2	5617698
MIROC5	GEPIC	1984038	15343.4	1999382
MIROC5	LPJmL	385830	2364.448	388194.4
MIROC5	PEPIC	3714602	23448.62	3738051

Statistics:

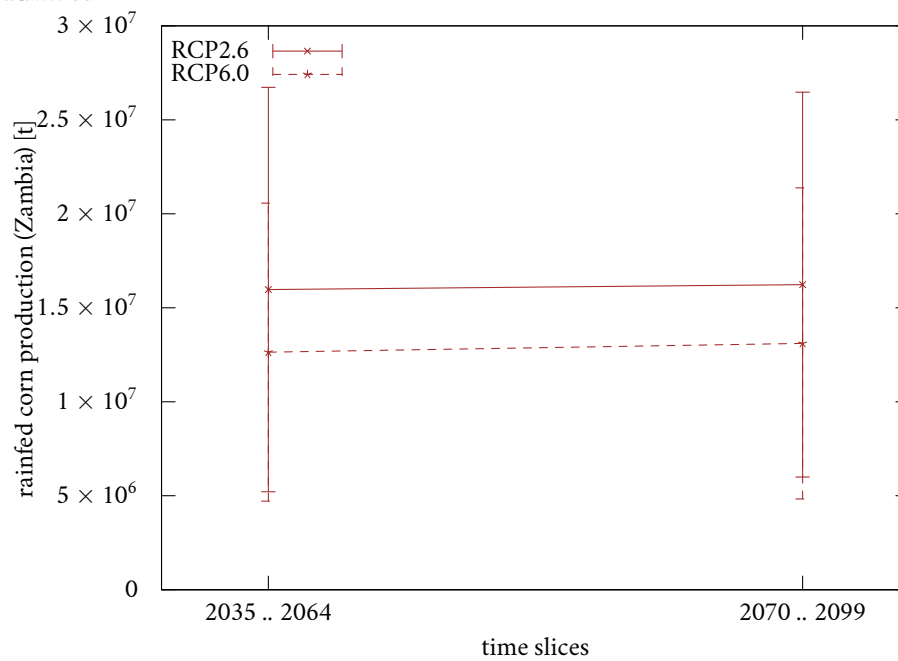
	mean [t]	median [t]	standard deviation [t]
rainfed	2.51992e+06	2354746	1.74772e+06
irrigated	29268.3	18572.9	33952.5
total	2.54918e+06	2400079	1.76284e+06

Total production per capita:

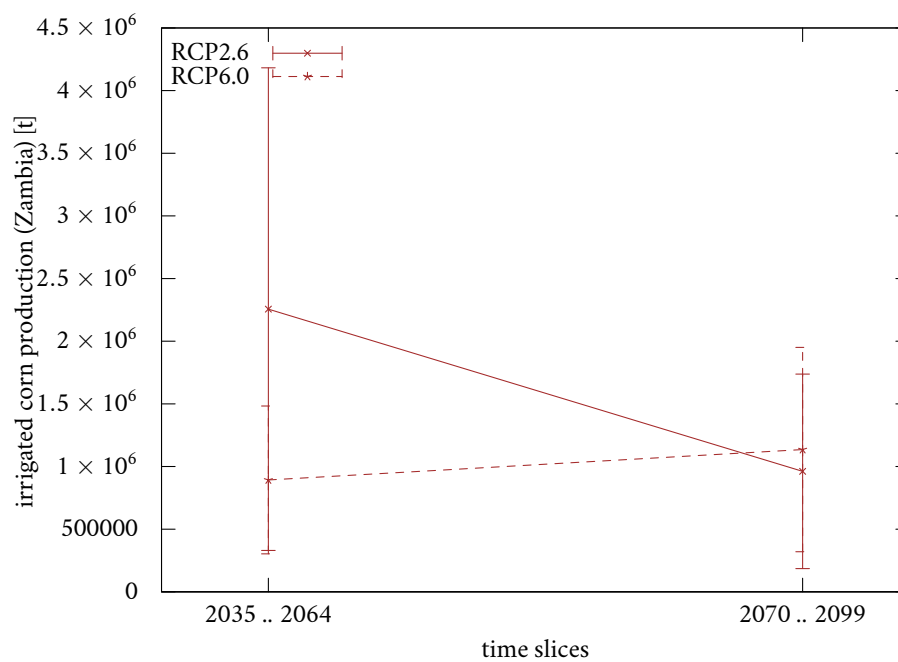
	SSP2	SSP1	SSP3	SSP2ZM	SSP2DM
population	150852500	8.07904e+07	2.41025e+08	157588950	1.44431e+08
total production per capita	0.0168985	0.031553	0.0105764	0.0161761	0.0176498

1.5 Zambia

Rainfed

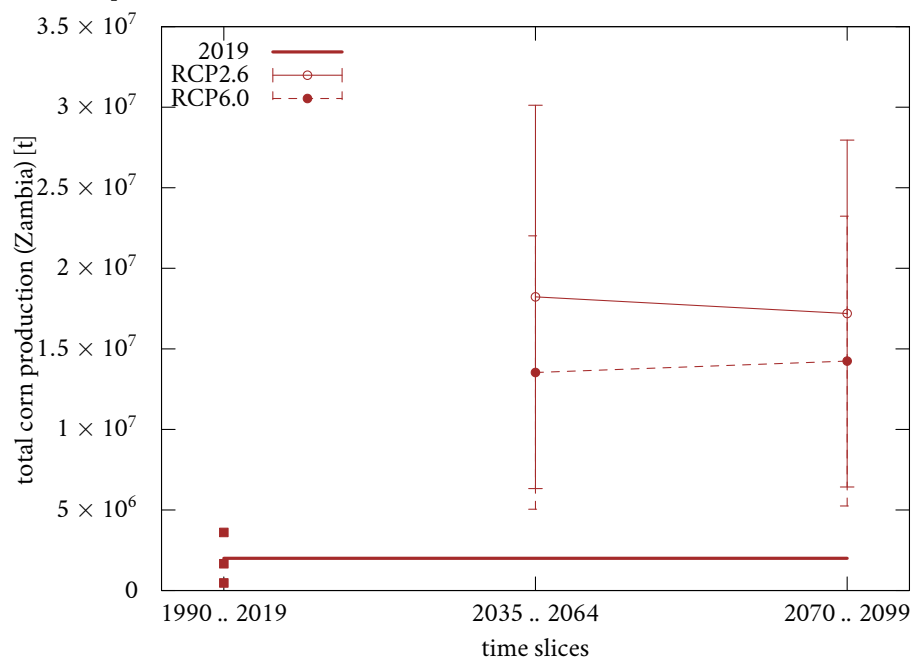


Irrigated



Total

Observed production 2019: 2000000 t



(The entry at 1990 .. 2019 shows the mean/min/max of the last 30 years. The future time slices, on the other hand, depict the mean across climate and impact models while the whiskers shows the standard deviation across models.)

RCP2.6 / 2035 .. 2064

climate model	crop model	rf production [t]	irr production [t]	total production [t]
GFDL-ESM2M	GEPIC	1.557184e+07	3342719	1.891456e+07
GFDL-ESM2M	LPJmL	2165804	452169	2617974
GFDL-ESM2M	PEPIC	2.160367e+07	4666470	2.627014e+07
HadGEM2-ES	GEPIC	1.570591e+07	1639353	1.734526e+07
HadGEM2-ES	LPJmL	2342739	234083.2	2576822
HadGEM2-ES	PEPIC	2.18526e+07	2295510	2.414811e+07
IPSL-CM5A-LR	GEPIC	1.851072e+07	4554006	2.306473e+07
IPSL-CM5A-LR	LPJmL	2532865	611574.8	3144440
IPSL-CM5A-LR	PEPIC	2.495911e+07	6254217	3.121332e+07
MIROC5	GEPIC	2.647266e+07	1221803	2.769446e+07
MIROC5	LPJmL	3578512	163465.3	3741977
MIROC5	PEPIC	3.634196e+07	1636254	3.797821e+07

Statistics:

	mean [t]	median [t]	standard deviation [t]
rainfed	1.59699e+07	17108315	1.07607e+07
irrigated	2.25597e+06	1.6378e+06	1.9261e+06
total	1.82258e+07	20989645	1.18977e+07

Total production per capita:

	SSP2	SSP1	SSP3	SSP2ZM	SSP2DM
population	3.53629e+07	2.75717e+07	4.39452e+07	3.561e+07	35110850
total production per capita	0.515393	0.661033	0.414739	0.511817	0.519093

RCP6.0 / 2035 .. 2064

climate model	crop model	rf production [t]	irr production [t]	total production [t]
GFDL-ESM2M	GEPIC	1.636241e+07	1210430	1.757284e+07
GFDL-ESM2M	LPJmL	2070622	157170.7	2227792
GFDL-ESM2M	PEPIC	2.251908e+07	1671524	2.41906e+07
HadGEM2-ES	GEPIC	1.456781e+07	1226278	1.579408e+07
HadGEM2-ES	LPJmL	2076774	169027.5	2245802
HadGEM2-ES	PEPIC	2.049474e+07	1677800	2.217254e+07
IPSL-CM5A-LR	GEPIC	1.424695e+07	1118856	1.536581e+07
IPSL-CM5A-LR	LPJmL	1845262	144049.6	1989312
IPSL-CM5A-LR	PEPIC	1.974115e+07	1521574	2.126272e+07
MIROC5	GEPIC	1.465206e+07	718685.9	1.537075e+07
MIROC5	LPJmL	2104269	101122.9	2205392
MIROC5	PEPIC	2.098137e+07	997076.6	2.197845e+07

Statistics:

	mean [t]	median [t]	standard deviation [t]
rainfed	1.26385e+07	14609935	7.92844e+06
irrigated	892800	1.05797e+06	589827
total	1.35313e+07	15582415	8.48651e+06

Total production per capita:

	SSP2	SSP1	SSP3	SSP2ZM	SSP2DM
population	3.53629e+07	2.75717e+07	4.39452e+07	3.561e+07	35110850
total production per capita	0.382641	0.490768	0.307913	0.379986	0.385388

RCP2.6 / 2070 .. 2099

climate model	crop model	rf production [t]	irr production [t]	total production [t]
GFDL-ESM2M	GEPIC	1.808404e+07	1980683	2.006472e+07
GFDL-ESM2M	LPJmL	2358748	264365.9	2623114
GFDL-ESM2M	PEPIC	2.425764e+07	2725260	2.69829e+07
HadGEM2-ES	GEPIC	1.655178e+07	1105065	1.765685e+07
HadGEM2-ES	LPJmL	2614915	159975	2774890
HadGEM2-ES	PEPIC	2.36332e+07	1546023	2.517922e+07
IPSL-CM5A-LR	GEPIC	2.049327e+07	802359.1	2.129563e+07
IPSL-CM5A-LR	LPJmL	2683048	103403.8	2786451
IPSL-CM5A-LR	PEPIC	2.71897e+07	1082389	2.827209e+07
MIROC5	GEPIC	2.267453e+07	702200.3	2.337673e+07
MIROC5	LPJmL	3126399	96647.28	3223046
MIROC5	PEPIC	3.112524e+07	968713.7	3.209395e+07

Statistics:

	mean [t]	median [t]	standard deviation [t]
rainfed	1.62327e+07	19288655	1.02367e+07
irrigated	961424	885536	776307
total	1.71941e+07	20680175	1.07657e+07

Total production per capita:

	SSP2	SSP1	SSP3	SSP2ZM	SSP2DM
population	5.06788e+07	3.12757e+07	8.14273e+07	5.16955e+07	4.96645e+07
total production per capita	0.339276	0.549759	0.211159	0.332603	0.346205

RCP6.0 / 2070 .. 2099

climate model	crop model	rf production [t]	irr production [t]	total production [t]
GFDL-ESM2M	GEPIC	1.759993e+07	1347901	1.894783e+07
GFDL-ESM2M	LPJmL	2213207	170136	2383343
GFDL-ESM2M	PEPIC	2.40022e+07	1845295	2.584749e+07
HadGEM2-ES	GEPIC	1.60988e+07	1845589	1.794439e+07
HadGEM2-ES	LPJmL	2139510	238521.4	2378031
HadGEM2-ES	PEPIC	2.143765e+07	2455038	2.389269e+07
IPSL-CM5A-LR	GEPIC	1.471476e+07	1606236	1.6321e+07
IPSL-CM5A-LR	LPJmL	1697601	191346.9	1888948
IPSL-CM5A-LR	PEPIC	1.996781e+07	2155430	2.212324e+07
MIROC5	GEPIC	1.465525e+07	709455.2	1.53647e+07
MIROC5	LPJmL	1950829	94503.77	2045333
MIROC5	PEPIC	2.079011e+07	966426	2.175654e+07

Statistics:

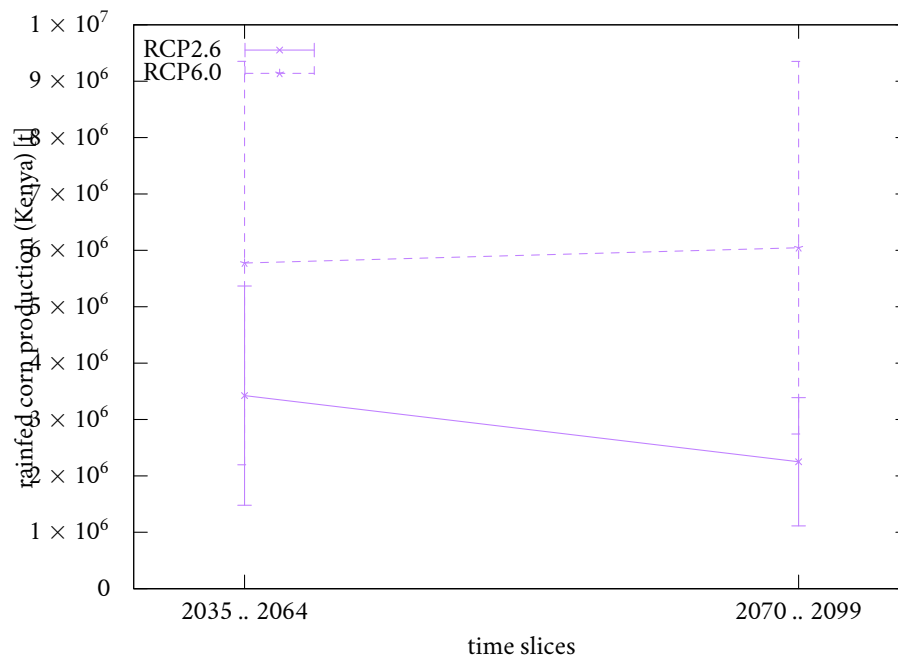
	mean [t]	median [t]	standard deviation [t]
rainfed	1.31056e+07	15406780	8.27607e+06
irrigated	1.13549e+06	1.15716e+06	815367
total	1.42411e+07	17132695	8.99342e+06

Total production per capita:

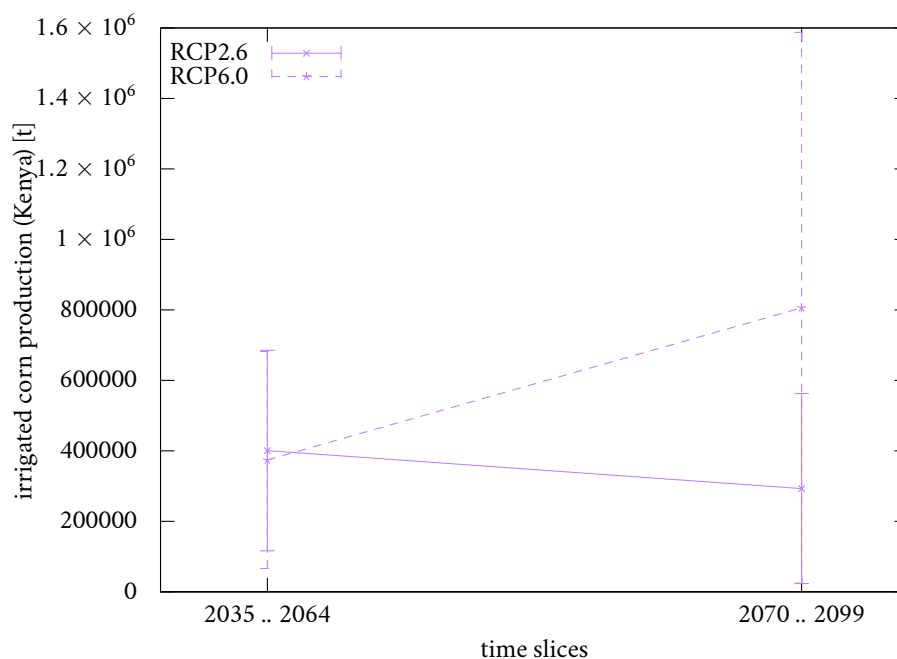
	SSP2	SSP1	SSP3	SSP2ZM	SSP2DM
population	5.06788e+07	3.12757e+07	8.14273e+07	5.16955e+07	4.96645e+07
total production per capita	0.281007	0.455341	0.174893	0.27548	0.286746

1.6 Kenya

Rainfed

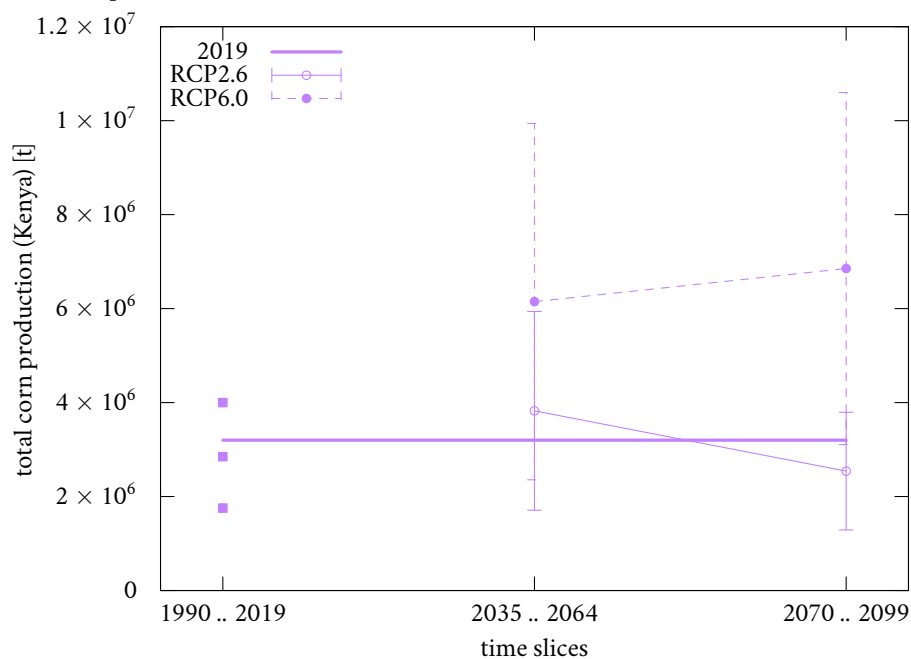


Irrigated



Total

Observed production 2019: 3200000 t



(The entry at 1990 .. 2019 shows the mean/min/max of the last 30 years. The future time slices, on the other hand, depict the mean across climate and impact models while the whiskers shows the standard deviation across models.)

RCP2.6 / 2035 .. 2064

climate model	crop model	rf production [t]	irr production [t]	total production [t]
GFDL-ESM2M	GEPIC	1761498	459952.8	2221342
GFDL-ESM2M	LPJmL	1364534	76920.84	1441455
GFDL-ESM2M	PEPIC	2121474	707640.6	2829115
HadGEM2-ES	GEPIC	4737377	473889.4	5211170
HadGEM2-ES	LPJmL	1697023	81505.76	1778529
HadGEM2-ES	PEPIC	7034274	733671.8	7767848
IPSL-CM5A-LR	GEPIC	3185388	583860.3	3768972
IPSL-CM5A-LR	LPJmL	1822503	112232	1934735
IPSL-CM5A-LR	PEPIC	4872974	923946.8	5794398
MIROC5	GEPIC	4578169	235224.4	4813394
MIROC5	LPJmL	1472743	36834.7	1509578
MIROC5	PEPIC	6433590	382851.9	6816442

Statistics:

	mean [t]	median [t]	standard deviation [t]
rainfed	3.42346e+06	2653431	1.94426e+06
irrigated	400711	421402	284505
total	3.82391e+06	3.29904e+06	2.11428e+06

Total production per capita:

	SSP2	SSP1	SSP3	SSP2ZM	SSP2DM
population	8.72507e+07	7.41797e+07	1.04712e+08	87251850	8.72307e+07
total production per capita	0.0438267	0.0515493	0.0365184	0.0438261	0.0438367

RCP6.0 / 2035 .. 2064

climate model	crop model	rf production [t]	irr production [t]	total production [t]
GFDL-ESM2M	GEPIC	3050337	225805.7	3276130
GFDL-ESM2M	LPJmL	2138188	32021.93	2170210
GFDL-ESM2M	PEPIC	3972192	351609.4	4323801
HadGEM2-ES	GEPIC	8556094	426329.1	8982141
HadGEM2-ES	LPJmL	2639258	67951.48	2707209
HadGEM2-ES	PEPIC	1.312967e+07	649963	1.377945e+07
IPSL-CM5A-LR	GEPIC	5213138	708905.6	5922044
IPSL-CM5A-LR	LPJmL	2429576	119097.7	2548674
IPSL-CM5A-LR	PEPIC	8263090	1096988	9359760
MIROC5	GEPIC	7221842	293240.4	7515082
MIROC5	LPJmL	2003785	45061.75	2048847
MIROC5	PEPIC	1.068e+07	471208.6	1.115121e+07

Statistics:

	mean [t]	median [t]	standard deviation [t]
rainfed	5.77476e+06	4592665	3.57807e+06
irrigated	374015	322425	307678
total	6.14871e+06	5.12292e+06	3.79181e+06

Total production per capita:

	SSP2	SSP1	SSP3	SSP2ZM	SSP2DM
population	8.72507e+07	7.41797e+07	1.04712e+08	87251850	8.72307e+07
total production per capita	0.0704718	0.0828894	0.0587202	0.0704708	0.0704879

RCP2.6 / 2070 .. 2099

climate model	crop model	rf production [t]	irr production [t]	total production [t]
GFDL-ESM2M	GEPIC	1614415	273409.8	1887406
GFDL-ESM2M	LPJmL	1028079	45897.33	1073976
GFDL-ESM2M	PEPIC	1738923	406782.8	2142859
HadGEM2-ES	GEPIC	3336818	268308.3	3604759
HadGEM2-ES	LPJmL	1272612	47044.99	1319657
HadGEM2-ES	PEPIC	5151580	396982.4	5546594
IPSL-CM5A-LR	GEPIC	1964934	634624.9	2594832
IPSL-CM5A-LR	LPJmL	1733392	133908.2	1867300
IPSL-CM5A-LR	PEPIC	2620630	978663.4	3587239
MIROC5	GEPIC	2454450	122541.7	2576992
MIROC5	LPJmL	995860.9	20180.57	1016041
MIROC5	PEPIC	3093196	187880.4	3281077

Statistics:

	mean [t]	median [t]	standard deviation [t]
rainfed	2.25041e+06	1.85193e+06	1.13743e+06
irrigated	293019	228094	269721
total	2541561	2.35993e+06	1.25235e+06

Total production per capita:

	SSP2	SSP1	SSP3	SSP2ZM	SSP2DM
population	111749850	7.88823e+07	1.69379e+08	1.12126e+08	1.11308e+08
total production per capita	0.0227433	0.0322197	0.0150052	0.022667	0.0228336

RCP6.0 / 2070 .. 2099

climate model	crop model	rf production [t]	irr production [t]	total production [t]
GFDL-ESM2M	GEPIC	3569470	681831.9	4250693
GFDL-ESM2M	LPJmL	2732697	102490.5	2835187
GFDL-ESM2M	PEPIC	6014440	989521.1	7003207
HadGEM2-ES	GEPIC	8137990	619649.1	8757300
HadGEM2-ES	LPJmL	2894691	99099	2993790
HadGEM2-ES	PEPIC	1.254715e+07	905768.7	1.345211e+07
IPSL-CM5A-LR	GEPIC	5605339	1892273	7496765
IPSL-CM5A-LR	LPJmL	2855189	330725.8	3185915
IPSL-CM5A-LR	PEPIC	9249119	2843146	1.208903e+07
MIROC5	GEPIC	6588780	445211.2	7033990
MIROC5	LPJmL	1919751	68878.37	1988629
MIROC5	PEPIC	1.044564e+07	694375.6	1.114001e+07

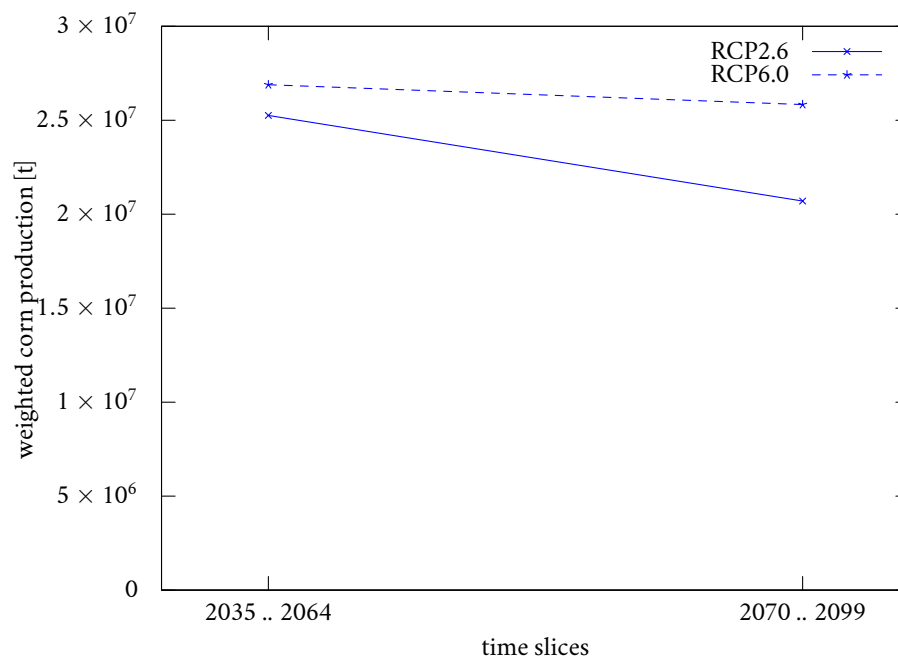
Statistics:

	mean [t]	median [t]	standard deviation [t]
rainfed	6046688	5.80989e+06	3.304e+06
irrigated	806081	650740	781570
total	6.85222e+06	7.0186e+06	3.74563e+06

Total production per capita:

	SSP2	SSP1	SSP3	SSP2ZM	SSP2DM
population	111749850	7.88823e+07	1.69379e+08	1.12126e+08	1.11308e+08
total production per capita	0.0613175	0.0868664	0.040455	0.0611118	0.0615609

1.7 Weighted production

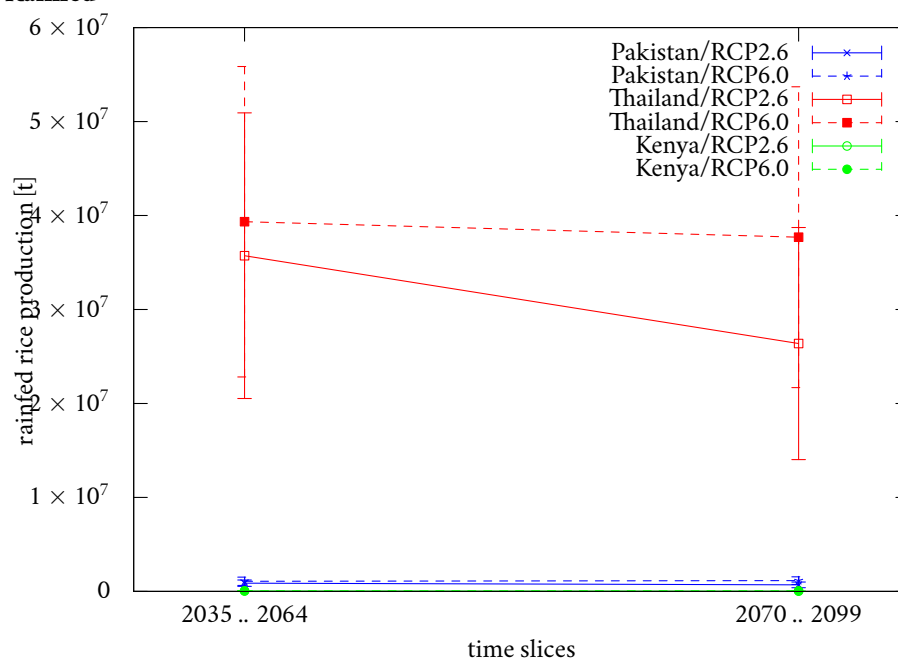


time slice	RCP	weighted production [t]
2035 .. 2064	RCP2.6	25257722
2070 .. 2099	RCP2.6	20700491
2035 .. 2064	RCP6.0	26887817
2070 .. 2099	RCP6.0	25835899

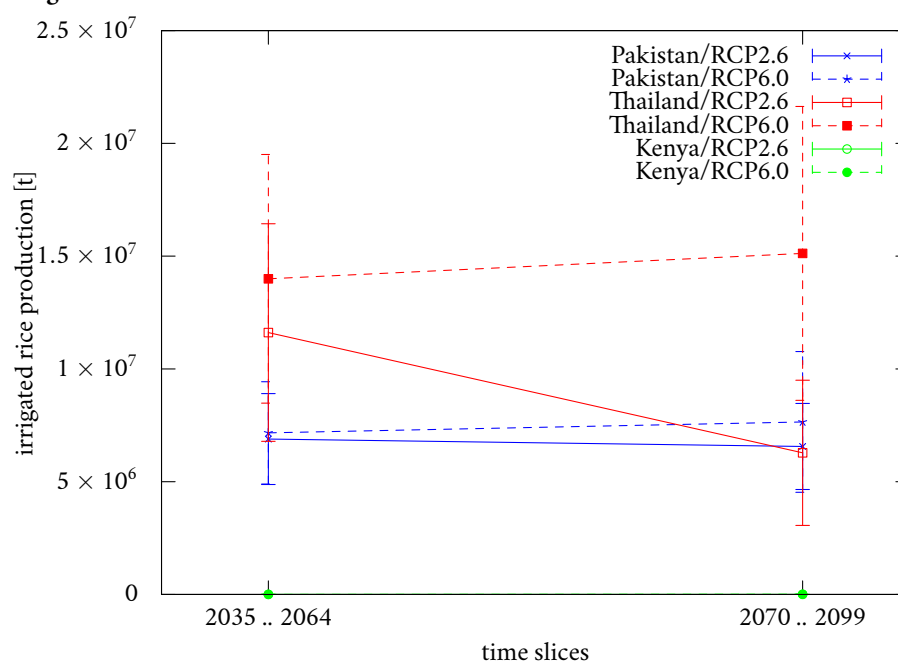
2 Rice

2.1 All countries

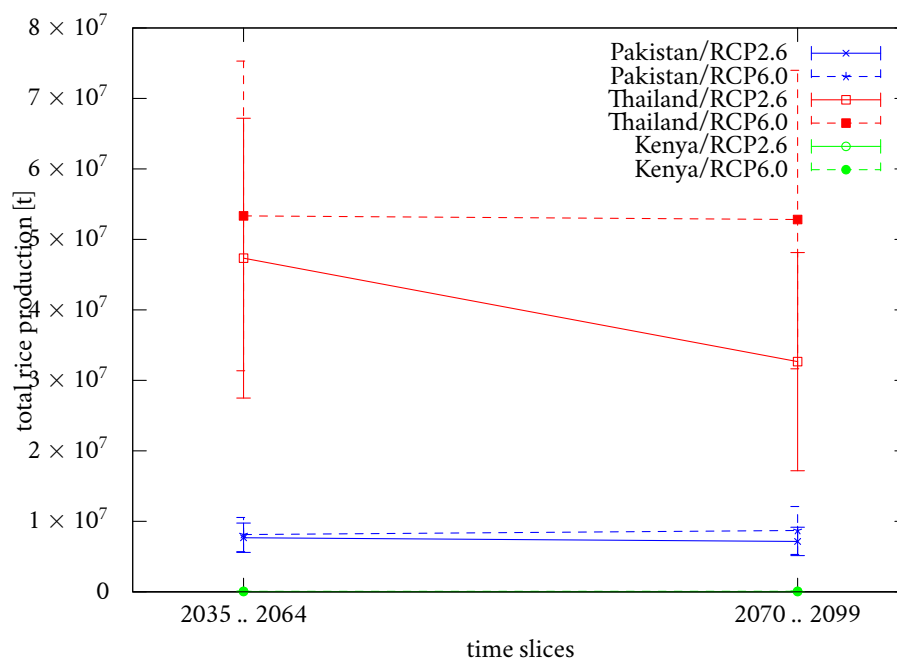
Rainfed



Irrigated

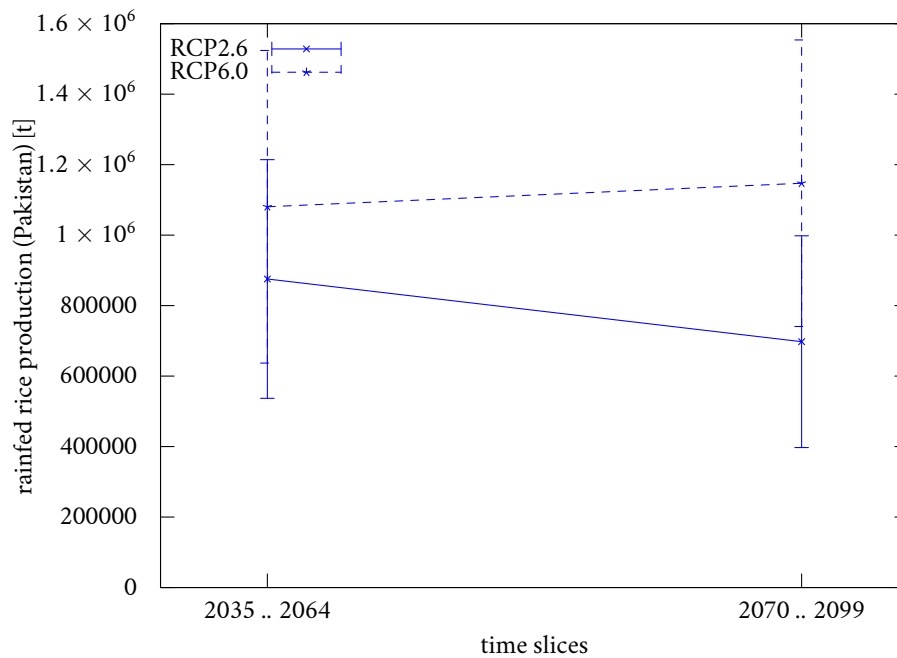


Total

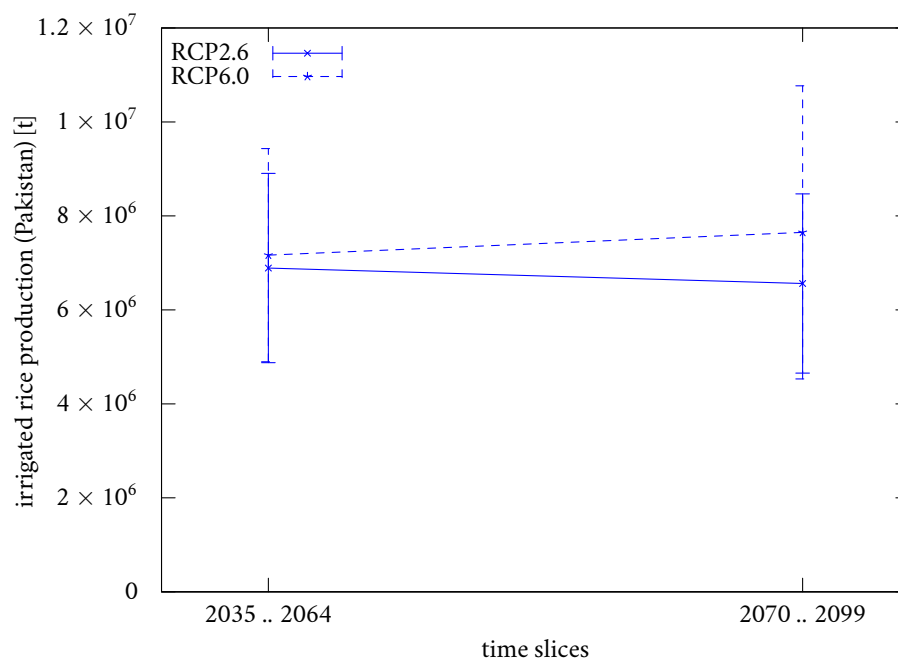


2.2 Pakistan

Rainfed

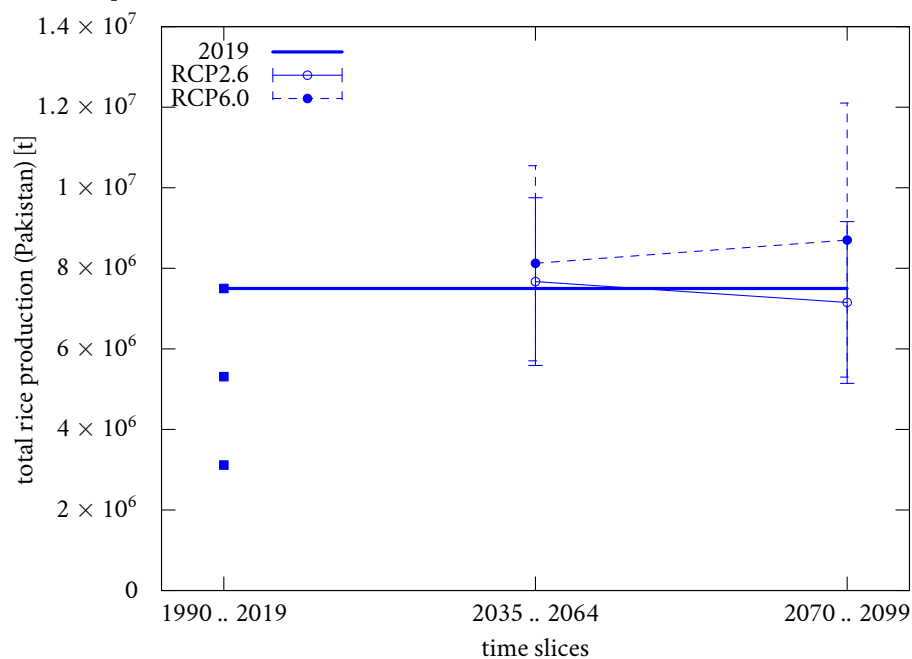


Irrigated



Total

Observed production 2019: 7500000 t



(The entry at 1990 .. 2019 shows the mean/min/max of the last 30 years. The future time slices, on the other hand, depict the mean across climate and impact models while the whiskers show the standard deviation across models.)

RCP2.6 / 2035 .. 2064

climate model	crop model	rf production [t]	irr production [t]	total production [t]
GFDL-ESM2M	GEPIC	519855	4358948	4878802
GFDL-ESM2M	LPJmL	556948.8	9512066	1.006902e+07
GFDL-ESM2M	PEPIC	758719.2	5475862	5577804
HadGEM2-ES	GEPIC	922780.2	4834564	5757345
HadGEM2-ES	LPJmL	865051.4	9386885	1.025194e+07
HadGEM2-ES	PEPIC	1407655	6121850	7433083
IPSL-CM5A-LR	GEPIC	543319.6	4914008	5457328
IPSL-CM5A-LR	LPJmL	448647	9462943	9911590
IPSL-CM5A-LR	PEPIC	903503.1	6320226	6863348
MIROC5	GEPIC	960775.5	5430250	6391026
MIROC5	LPJmL	1016927	9951161	1.096809e+07
MIROC5	PEPIC	1602626	6913536	8486666

Statistics:

	mean [t]	median [t]	standard deviation [t]
rainfed	875567	884277	338680
irrigated	6.89019e+06	6221038	2.01416e+06
total	7.6705e+06	7.14822e+06	2.08278e+06

Total production per capita:

	SSP2	SSP1	SSP3	SSP2ZM	SSP2DM
population	2.97771e+08	2.58256e+08	3.37573e+08	3.01193e+08	2.94352e+08
total production per capita	0.0257597	0.0297011	0.0227225	0.0254671	0.0260589

RCP6.0 / 2035 .. 2064

climate model	crop model	rf production [t]	irr production [t]	total production [t]
GFDL-ESM2M	GEPIC	949097.8	4490536	5439634
GFDL-ESM2M	LPJmL	989101.1	9994399	1.09835e+07
GFDL-ESM2M	PEPIC	1302901	5649502	6108449
HadGEM2-ES	GEPIC	1293041	5038276	6331318
HadGEM2-ES	LPJmL	1289147	1.012609e+07	1.141524e+07
HadGEM2-ES	PEPIC	1953836	6488318	8373041
IPSL-CM5A-LR	GEPIC	413412.9	4489798	4903211
IPSL-CM5A-LR	LPJmL	344358.9	9364264	9708623
IPSL-CM5A-LR	PEPIC	676687.9	5777586	5957202
MIROC5	GEPIC	972051.3	5933128	6905180
MIROC5	LPJmL	1191871	1.102782e+07	1.221969e+07
MIROC5	PEPIC	1590698	7600032	9161061

Statistics:

	mean [t]	median [t]	standard deviation [t]
rainfed	1.08052e+06	1.09049e+06	443560
irrigated	7.16498e+06	6210723	2.26845e+06
total	8.12551e+06	7.63911e+06	2.42329e+06

Total production per capita:

	SSP2	SSP1	SSP3	SSP2ZM	SSP2DM
population	2.97771e+08	2.58256e+08	3.37573e+08	3.01193e+08	2.94352e+08
total production per capita	0.0272878	0.031463	0.0240704	0.0269778	0.0276047

RCP2.6 / 2070 .. 2099

climate model	crop model	rf production [t]	irr production [t]	total production [t]
GFDL-ESM2M	GEPIC	361402	4070511	4431913
GFDL-ESM2M	LPJmL	320245.2	8941185	9261430
GFDL-ESM2M	PEPIC	505769.3	5060968	4799110
HadGEM2-ES	GEPIC	697162.4	4609984	5307146
HadGEM2-ES	LPJmL	620894.9	8696685	9317580
HadGEM2-ES	PEPIC	1050995	5770856	6734963
IPSL-CM5A-LR	GEPIC	489115.8	4728190	5217306
IPSL-CM5A-LR	LPJmL	400407.5	8934749	9335157
IPSL-CM5A-LR	PEPIC	802599.4	6072086	6524800
MIROC5	GEPIC	828368.7	5356123	6184492
MIROC5	LPJmL	929002.2	9691247	1.062025e+07
MIROC5	PEPIC	1365628	6800570	8080158

Statistics:

	mean [t]	median [t]	standard deviation [t]
rainfed	697633	659029	300377
irrigated	6.5611e+06	5921471	1.90723e+06
total	7.15119e+06	6.62988e+06	2.00792e+06

Total production per capita:

	SSP2	SSP1	SSP3	SSP2ZM	SSP2DM
population	3.48681e+08	2.58171e+08	4.82448e+08	3.57956e+08	3.39585e+08
total production per capita	0.0205093	0.0276994	0.0148227	0.0199778	0.0210586

RCP6.0 / 2070 .. 2099

climate model	crop model	rf production [t]	irr production [t]	total production [t]
GFDL-ESM2M	GEPIC	901015.1	4268225	5169240
GFDL-ESM2M	LPJmL	1162961	1.098753e+07	1.215049e+07
GFDL-ESM2M	PEPIC	1318966	5443462	5997918
HadGEM2-ES	GEPIC	1010909	5158208	6169117
HadGEM2-ES	LPJmL	1416115	1.198554e+07	1.340165e+07
HadGEM2-ES	PEPIC	1635700	6593822	8149755
IPSL-CM5A-LR	GEPIC	516487.1	3815908	4332395
IPSL-CM5A-LR	LPJmL	532698.1	1.005178e+07	1.058448e+07
IPSL-CM5A-LR	PEPIC	845839.2	4902436	5464948
MIROC5	GEPIC	976832.3	6611546	7588378
MIROC5	LPJmL	1745933	1.341272e+07	1.515865e+07
MIROC5	PEPIC	1704049	8564282	1.02442e+07

Statistics:

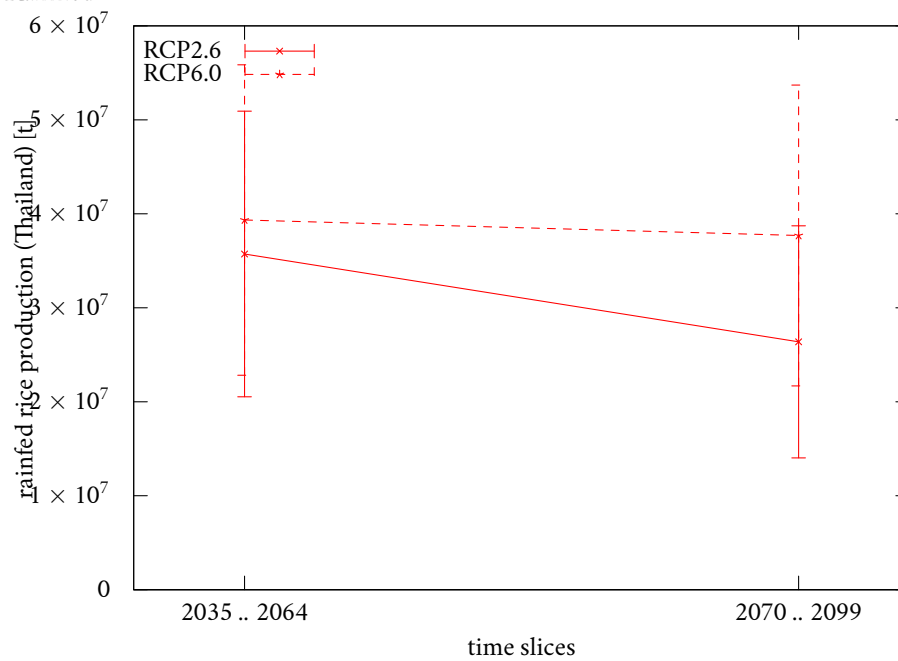
	mean [t]	median [t]	standard deviation [t]
rainfed	1.14729e+06	1086935	406581
irrigated	7.64962e+06	6602684	3.11859e+06
total	8.70094e+06	7.86907e+06	3.40238e+06

Total production per capita:

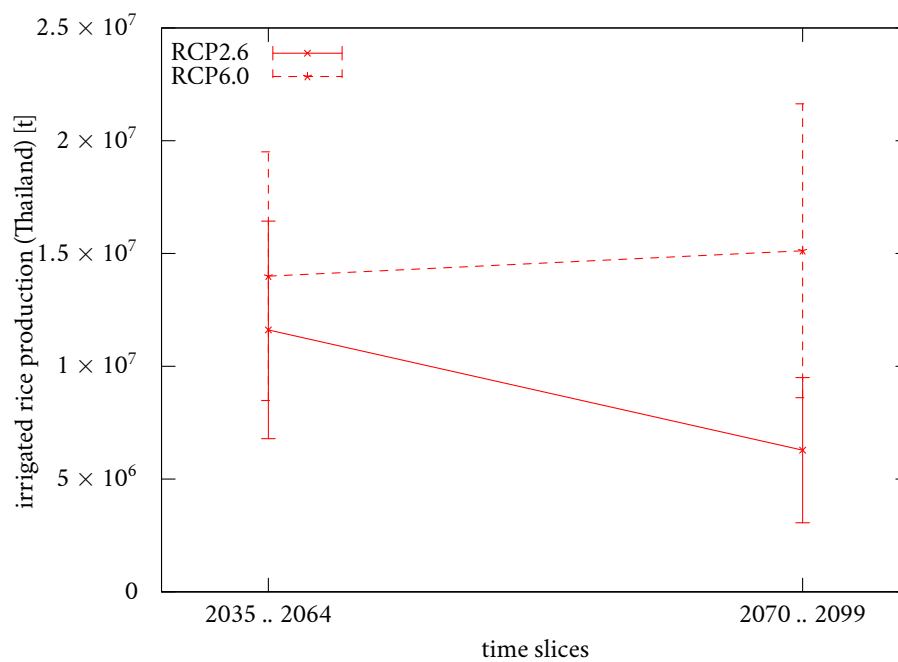
	SSP2	SSP1	SSP3	SSP2ZM	SSP2DM
population	3.48681e+08	2.58171e+08	4.82448e+08	3.57956e+08	3.39585e+08
total production per capita	0.0249539	0.0337022	0.018035	0.0243073	0.0256223

2.3 Thailand

Rainfed

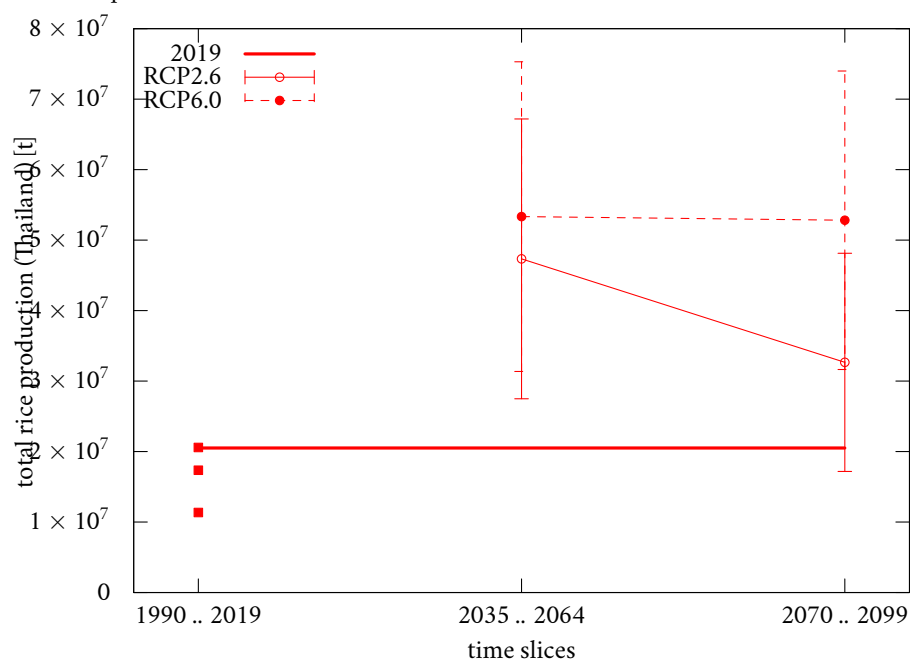


Irrigated



Total

Observed production 2019: 20500000 t



(The entry at 1990 .. 2019 shows the mean/min/max of the last 30 years. The future time slices, on the other hand, depict the mean across climate and impact models while the whiskers shows the standard deviation across models.)

RCP2.6 / 2035 .. 2064

climate model	crop model	rf production [t]	irr production [t]	total production [t]
GFDL-ESM2M	GEPIC	3.470779e+07	1.161407e+07	4.632186e+07
GFDL-ESM2M	LPJmL	1.592987e+07	5199572	2.112944e+07
GFDL-ESM2M	PEPIC	4.976431e+07	1.533596e+07	6.510026e+07
HadGEM2-ES	GEPIC	3.580097e+07	1.210016e+07	4.790113e+07
HadGEM2-ES	LPJmL	1.57541e+07	5338123	2.109223e+07
HadGEM2-ES	PEPIC	5.040865e+07	1.599595e+07	6.64046e+07
IPSL-CM5A-LR	GEPIC	4.09743e+07	1.18195e+07	5.27938e+07
IPSL-CM5A-LR	LPJmL	1.761376e+07	5060453	2.267421e+07
IPSL-CM5A-LR	PEPIC	5.771655e+07	1.545162e+07	7.316817e+07
MIROC5	GEPIC	3.792934e+07	1.491969e+07	5.284903e+07
MIROC5	LPJmL	1.705626e+07	6502571	2.355883e+07
MIROC5	PEPIC	5.505009e+07	2.001723e+07	7.506733e+07

Statistics:

	mean [t]	median [t]	standard deviation [t]
rainfed	3.57255e+07	36865155	1.51945e+07
irrigated	1.16129e+07	11959830	4.82363e+06
total	4.73384e+07	50347465	1.98455e+07

Total production per capita:

	SSP2	SSP1	SSP3	SSP2ZM	SSP2DM
population	6.61611e+07	66132950	6.63361e+07	63988300	6.82178e+07
total production per capita	0.715502	0.715807	0.713614	0.739798	0.69393

RCP6.0 / 2035 .. 2064

climate model	crop model	rf production [t]	irr production [t]	total production [t]
GFDL-ESM2M	GEPIC	3.797684e+07	1.509191e+07	5.306875e+07
GFDL-ESM2M	LPJmL	1.753116e+07	6812708	2.434386e+07
GFDL-ESM2M	PEPIC	5.435326e+07	1.991789e+07	7.427115e+07
HadGEM2-ES	GEPIC	4.016376e+07	1.542111e+07	5.558487e+07
HadGEM2-ES	LPJmL	1.809759e+07	6905084	2.500267e+07
HadGEM2-ES	PEPIC	5.666971e+07	2.031877e+07	7.698849e+07
IPSL-CM5A-LR	GEPIC	4.206208e+07	1.45387e+07	5.660078e+07
IPSL-CM5A-LR	LPJmL	1.858217e+07	6377988	2.496016e+07
IPSL-CM5A-LR	PEPIC	5.936354e+07	1.899059e+07	7.835413e+07
MIROC5	GEPIC	4.336917e+07	1.566569e+07	5.903486e+07
MIROC5	LPJmL	2.017211e+07	6937869	2.710998e+07
MIROC5	PEPIC	6.373957e+07	2.096642e+07	8.470599e+07

Statistics:

	mean [t]	median [t]	standard deviation [t]
rainfed	39340080	41112920	1.6516e+07
irrigated	1.39954e+07	15256510	5.5123e+06
total	5.33355e+07	56092825	2.19702e+07

Total production per capita:

	SSP2	SSP1	SSP3	SSP2ZM	SSP2DM
population	6.61611e+07	66132950	6.63361e+07	63988300	6.82178e+07
total production per capita	0.806146	0.806489	0.804019	0.83352	0.781841

RCP2.6 / 2070 .. 2099

climate model	crop model	rf production [t]	irr production [t]	total production [t]
GFDL-ESM2M	GEPIC	2.291189e+07	5229630	2.814152e+07
GFDL-ESM2M	LPJmL	1.009409e+07	2307729	1.240182e+07
GFDL-ESM2M	PEPIC	3.245335e+07	6942304	3.939565e+07
HadGEM2-ES	GEPIC	2.397186e+07	5699324	2.967119e+07
HadGEM2-ES	LPJmL	1.02959e+07	2468588	1.276449e+07
HadGEM2-ES	PEPIC	3.23554e+07	7493414	3.984882e+07
IPSL-CM5A-LR	GEPIC	2.885797e+07	6128314	3.498628e+07
IPSL-CM5A-LR	LPJmL	1.234057e+07	2660079	1.500065e+07
IPSL-CM5A-LR	PEPIC	3.98844e+07	8103308	4.798771e+07
MIROC5	GEPIC	3.617237e+07	1.026014e+07	4.643251e+07
MIROC5	LPJmL	1.585244e+07	4393846	2.024629e+07
MIROC5	PEPIC	5.133107e+07	1.367997e+07	6.501104e+07

Statistics:

	mean [t]	median [t]	standard deviation [t]
rainfed	2.63768e+07	26414915	1.23465e+07
irrigated	6.28055e+06	5913819	3.21801e+06
total	3.26573e+07	32328735	1.5479e+07

Total production per capita:

	SSP2	SSP1	SSP3	SSP2ZM	SSP2DM
population	5.36378e+07	5.28631e+07	55022400	4.77112e+07	5.8994e+07
total production per capita	0.608849	0.617771	0.593527	0.684479	0.55357

RCP6.0 / 2070 .. 2099

climate model	crop model	rf production [t]	irr production [t]	total production [t]
GFDL-ESM2M	GEPIC	3.19307e+07	2.140574e+07	5.333644e+07
GFDL-ESM2M	LPJmL	1.596271e+07	1.008437e+07	2.604708e+07
GFDL-ESM2M	PEPIC	4.676983e+07	2.882316e+07	7.5593e+07
HadGEM2-ES	GEPIC	3.699174e+07	1.442427e+07	5.141601e+07
HadGEM2-ES	LPJmL	1.782256e+07	7086841	2.490941e+07
HadGEM2-ES	PEPIC	5.018402e+07	1.861333e+07	6.879735e+07
IPSL-CM5A-LR	GEPIC	4.099067e+07	1.418541e+07	5.517608e+07
IPSL-CM5A-LR	LPJmL	1.919405e+07	6582902	2.577695e+07
IPSL-CM5A-LR	PEPIC	5.68971e+07	1.846533e+07	7.536243e+07
MIROC5	GEPIC	4.520986e+07	1.48033e+07	6.001316e+07
MIROC5	LPJmL	2.233375e+07	6824390	2.915814e+07
MIROC5	PEPIC	6.804e+07	2.018183e+07	8.822183e+07

Statistics:

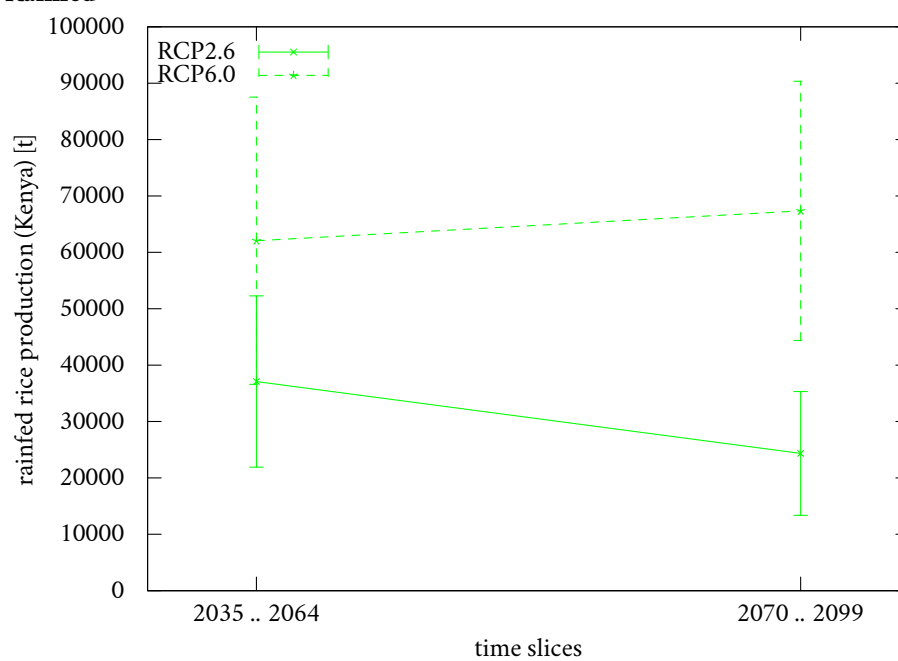
	mean [t]	median [t]	standard deviation [t]
rainfed	3.76939e+07	38991205	1.60062e+07
irrigated	1.51234e+07	14613785	6.51505e+06
total	5.28173e+07	54256260	2.11776e+07

Total production per capita:

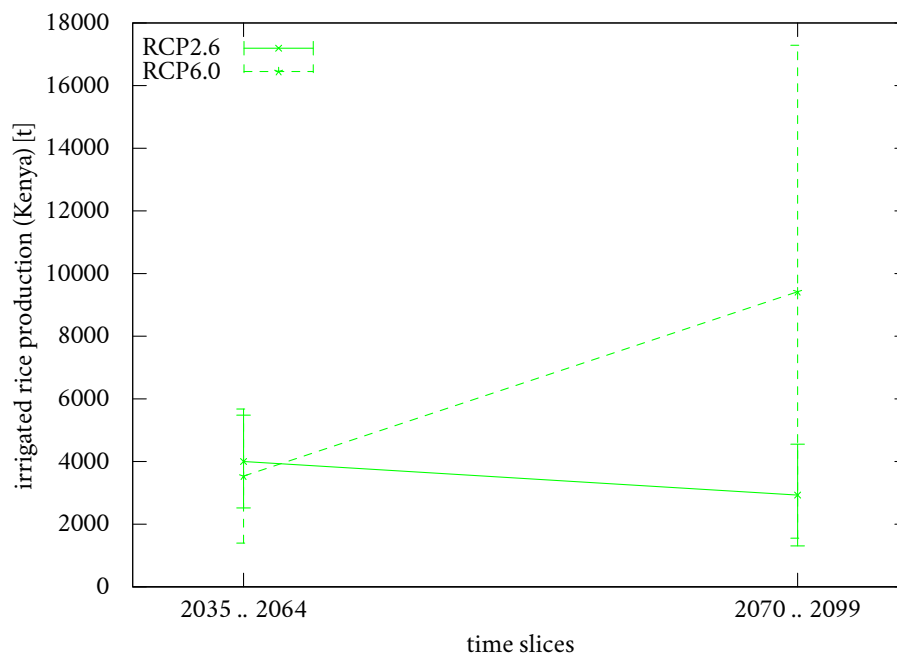
	SSP2	SSP1	SSP3	SSP2ZM	SSP2DM
population	5.36378e+07	5.28631e+07	55022400	4.77112e+07	5.8994e+07
total production per capita	0.984703	0.999134	0.959924	1.10702	0.8953

2.4 Kenya

Rainfed

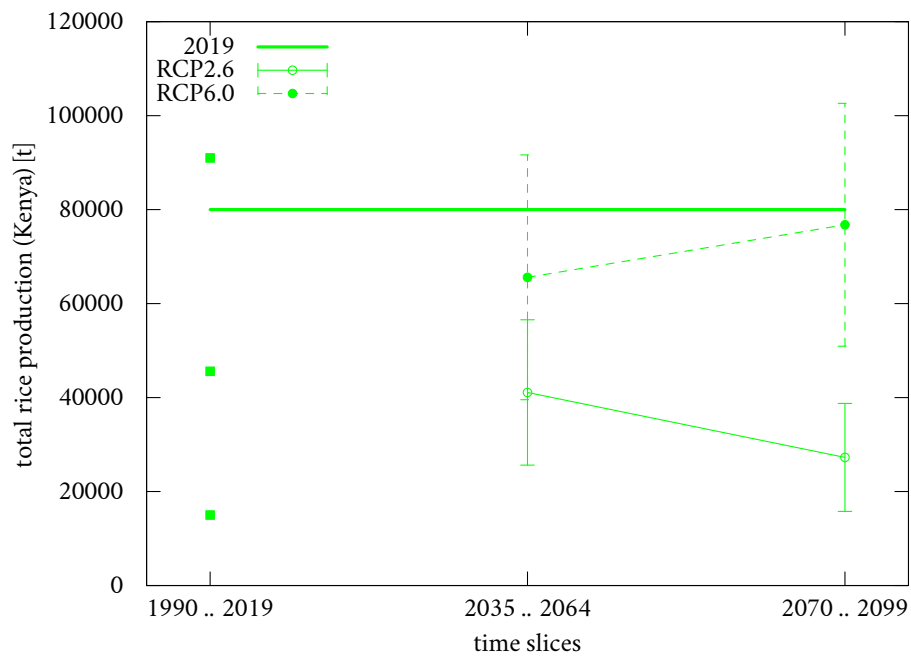


Irrigated



Total

Observed production 2019: 80000 t



(The entry at 1990 .. 2019 shows the mean/min/max of the last 30 years. The future time slices, on the other hand, depict the mean across climate and impact models while the whiskers shows the standard deviation across models.)

RCP2.6 / 2035 .. 2064

climate model	crop model	rf production [t]	irr production [t]	total production [t]
GFDL-ESM2M	GEPIC	19070.38	3686.605	22756.98
GFDL-ESM2M	LPJmL	14585.67	4564.294	19149.97
GFDL-ESM2M	PEPIC	29881.95	5878.676	35760.62
HadGEM2-ES	GEPIC	42912.61	3306.816	46219.42
HadGEM2-ES	LPJmL	34660.79	3796.879	38457.67
HadGEM2-ES	PEPIC	67136.98	5006.397	72143.38
IPSL-CM5A-LR	GEPIC	34169.21	4147.495	38316.71
IPSL-CM5A-LR	LPJmL	27237.02	5095.854	32332.87
IPSL-CM5A-LR	PEPIC	55573.47	6610.984	62179.21
MIROC5	GEPIC	36044.57	1577.843	37622.42
MIROC5	LPJmL	26922.15	1846.613	28768.76
MIROC5	PEPIC	56876.61	2478.071	59354.68

Statistics:

	mean [t]	median [t]	standard deviation [t]
rainfed	37089.3	34415	15190.4
irrigated	3999.71	3972.19	1481.57
total	41088.6	37969.6	15465

Total production per capita:

	SSP2	SSP1	SSP3	SSP2ZM	SSP2DM
population	8.72507e+07	7.41797e+07	1.04712e+08	87251850	8.72307e+07
total production per capita	0.000470926	0.000553906	0.000392396	0.00047092	0.000471034

RCP6.0 / 2035 .. 2064

climate model	crop model	rf production [t]	irr production [t]	total production [t]
GFDL-ESM2M	GEPIC	30021.56	1631.976	31653.53
GFDL-ESM2M	LPJmL	25510.03	1957.532	27467.56
GFDL-ESM2M	PEPIC	47229.24	2545.626	49774.87
HadGEM2-ES	GEPIC	73176.19	2295.174	75471.37
HadGEM2-ES	LPJmL	66606.95	2745.283	69352.23
HadGEM2-ES	PEPIC	116977.8	3535.805	120513.6
IPSL-CM5A-LR	GEPIC	48510.08	5493.962	54004.04
IPSL-CM5A-LR	LPJmL	47361.5	6735.673	54097.18
IPSL-CM5A-LR	PEPIC	84092.51	8665.313	92757.02
MIROC5	GEPIC	57840.22	1801.129	59641.35
MIROC5	LPJmL	52848.65	2198.54	55047.19
MIROC5	PEPIC	94505.02	2810.069	97315.09

Statistics:

	mean [t]	median [t]	standard deviation [t]
rainfed	62056.6	55344.4	25467.2
irrigated	3534.67	2645.45	2140.28
total	65591.3	57344.3	26046.3

Total production per capita:

	SSP2	SSP1	SSP3	SSP2ZM	SSP2DM
population	8.72507e+07	7.41797e+07	1.04712e+08	87251850	8.72307e+07
total production per capita	0.000751757	0.000884222	0.000626397	0.000751747	0.000751929

RCP2.6 / 2070 .. 2099

climate model	crop model	rf production [t]	irr production [t]	total production [t]
GFDL-ESM2M	GEPIC	14588.09	1955.464	16543.56
GFDL-ESM2M	LPJmL	11149.06	2445.208	13594.27
GFDL-ESM2M	PEPIC	21547.24	3317.528	24864.77
HadGEM2-ES	GEPIC	32490.3	2012.91	34503.21
HadGEM2-ES	LPJmL	24354.79	2387.722	26742.51
HadGEM2-ES	PEPIC	51740.75	3284.953	55025.31
IPSL-CM5A-LR	GEPIC	23717.32	4130.529	27847.85
IPSL-CM5A-LR	LPJmL	14930.53	5229.099	20159.63
IPSL-CM5A-LR	PEPIC	34683.5	6626.695	41293.75
MIROC5	GEPIC	19977.57	1003.912	20981.48
MIROC5	LPJmL	13712.34	1127.684	14840.02
MIROC5	PEPIC	29174.11	1631.279	30805.39

Statistics:

	mean [t]	median [t]	standard deviation [t]
rainfed	24338.8	22632.3	10974.9
irrigated	2929.42	2416.47	1623.62
total	27266.8	25803.6	11492.5

Total production per capita:

	SSP2	SSP1	SSP3	SSP2ZM	SSP2DM
population	111749850	7.88823e+07	1.69379e+08	1.12126e+08	1.11308e+08
total production per capita	0.000243999	0.000345664	0.000160981	0.00024318	0.000244967

RCP6.0 / 2070 .. 2099

climate model	crop model	rf production [t]	irr production [t]	total production [t]
GFDL-ESM2M	GEPIC	34958.3	5023.622	39981.92
GFDL-ESM2M	LPJmL	44028.46	6065.541	50094
GFDL-ESM2M	PEPIC	60556.09	7821.444	68377.53
HadGEM2-ES	GEPIC	72457.55	4472.517	76930.06
HadGEM2-ES	LPJmL	67079.15	5067.013	72146.16
HadGEM2-ES	PEPIC	117146.1	6920.683	124066.8
IPSL-CM5A-LR	GEPIC	54505.2	17960.29	72465.48
IPSL-CM5A-LR	LPJmL	61629.99	21153.17	82783.16
IPSL-CM5A-LR	PEPIC	94945.02	27962.55	122886.8
MIROC5	GEPIC	55260.48	2780.421	58040.9
MIROC5	LPJmL	50194.82	3321.966	53516.79
MIROC5	PEPIC	95558.05	4492.502	100050.6

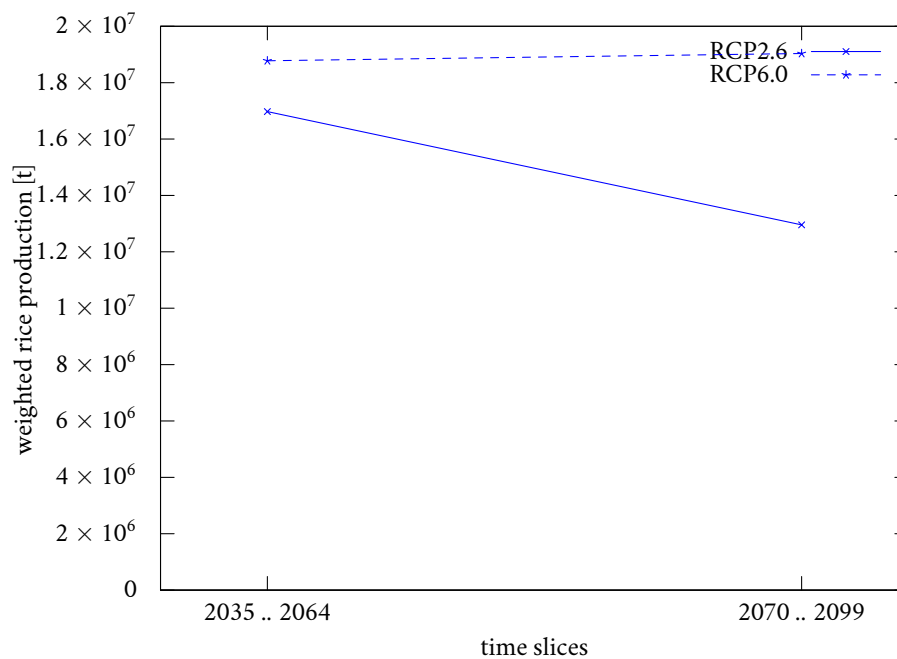
Statistics:

	mean [t]	median [t]	standard deviation [t]
rainfed	67359.9	61093	22986.3
irrigated	9420.14	5566.28	7867.6
total	76778.4	72305.8	25834

Total production per capita:

	SSP2	SSP1	SSP3	SSP2ZM	SSP2DM
population	111749850	7.88823e+07	1.69379e+08	1.12126e+08	1.11308e+08
total production per capita	0.000687056	0.000973329	0.000453294	0.000684751	0.000689783

2.5 Weighted production

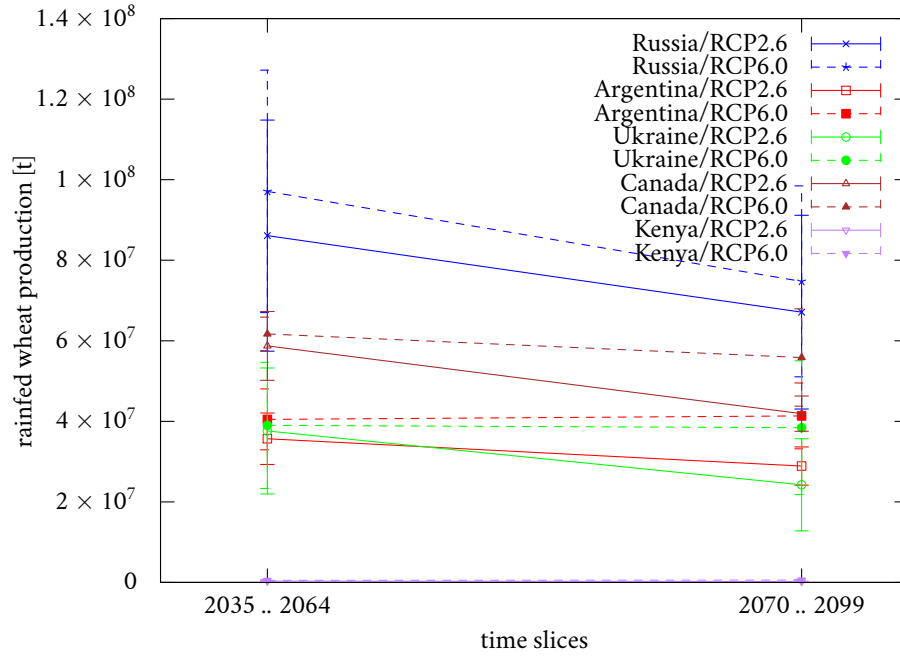


time slice	RCP	weighted production [t]
2035 .. 2064	RCP2.6	16973835
2070 .. 2099	RCP2.6	12955625
2035 .. 2064	RCP6.0	18777965
2070 .. 2099	RCP6.0	19033955

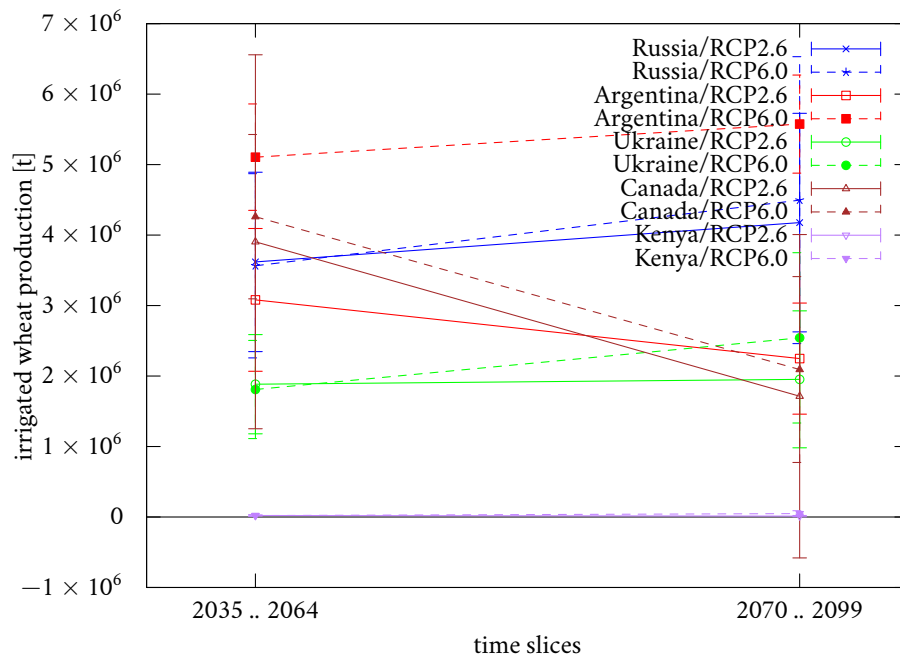
3 Wheat

3.1 All countries

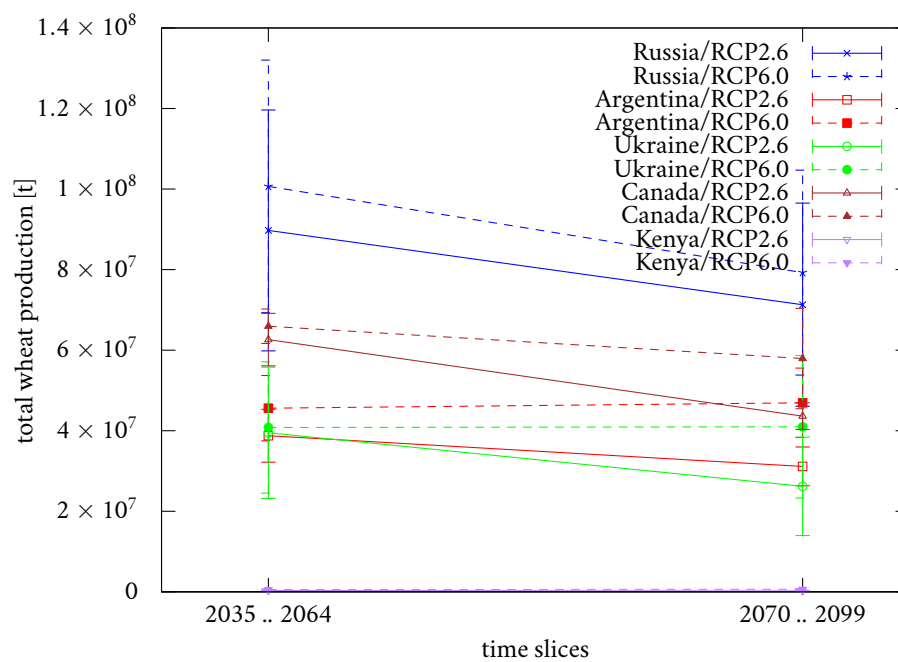
Rainfed



Irrigated

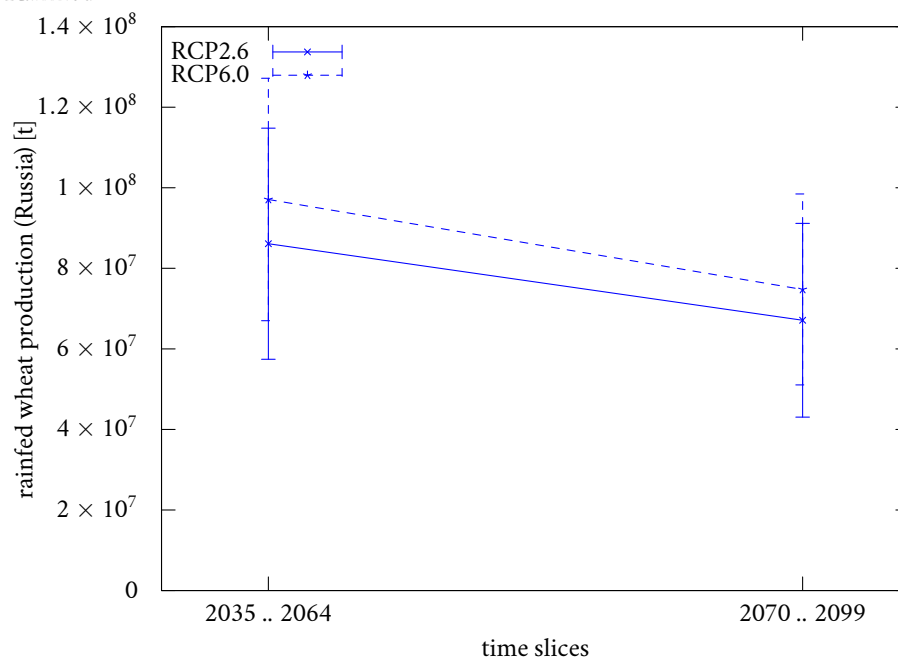


Total

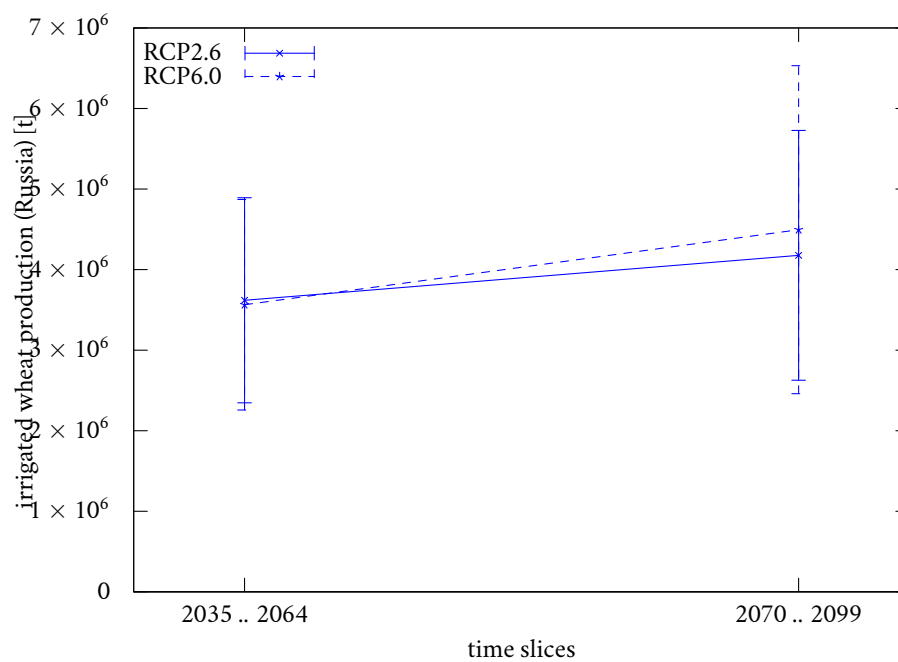


3.2 Russia

Rainfed

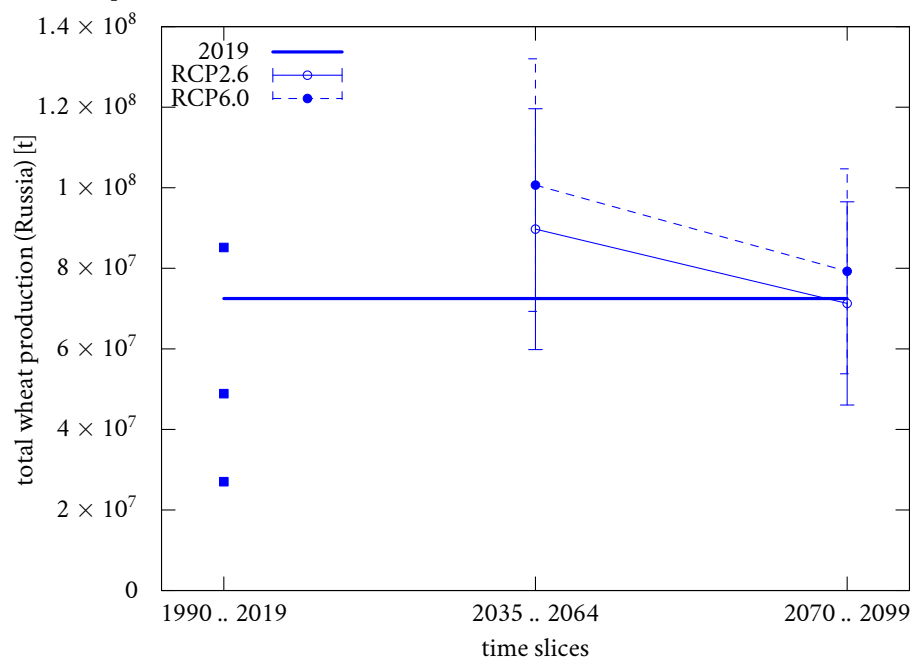


Irrigated



Total

Observed production 2019: 72500000 t



(The entry at 1990 .. 2019 shows the mean/min/max of the last 30 years. The future time slices, on the other hand, depict the mean across climate and impact models while the whiskers shows the standard deviation across models.)

RCP2.6 / 2035 .. 2064

climate model	crop model	rf production [t]	irr production [t]	total production [t]
GFDL-ESM2M	GEPIC	1.066258e+08	4638638	1.112645e+08
GFDL-ESM2M	LPJmL	4.589238e+07	1982090	4.787447e+07
GFDL-ESM2M	PEPIC	1.045257e+08	5007504	1.095326e+08
HadGEM2-ES	GEPIC	1.004055e+08	4165449	1.045709e+08
HadGEM2-ES	LPJmL	4.31833e+07	1811403	4.49947e+07
HadGEM2-ES	PEPIC	9.756256e+07	4555516	1.021181e+08
IPSL-CM5A-LR	GEPIC	1.09392e+08	4541437	1.139335e+08
IPSL-CM5A-LR	LPJmL	4.487863e+07	1928877	4.68075e+07
IPSL-CM5A-LR	PEPIC	1.056948e+08	4927644	1.106225e+08
MIROC5	GEPIC	1.132989e+08	3926958	1.172258e+08
MIROC5	LPJmL	5.005296e+07	1748234	5.18012e+07
MIROC5	PEPIC	1.117856e+08	4197729	1.159825e+08

Statistics:

	mean [t]	median [t]	standard deviation [t]
rainfed	8.61082e+07	102465600	2.86937e+07
irrigated	3.61929e+06	4181589	1.27278e+06
total	8.97274e+07	107051750	2.99043e+07

Total production per capita:

	SSP2	SSP1	SSP3	SSP2ZM	SSP2DM
population	1.34119e+08	1.33864e+08	1.30551e+08	1.2475e+08	1.42938e+08
total production per capita	0.669013	0.670288	0.687298	0.719258	0.627737

RCP6.0 / 2035 .. 2064

climate model	crop model	rf production [t]	irr production [t]	total production [t]
GFDL-ESM2M	GEPIC	1.245932e+08	5063281	1.296565e+08
GFDL-ESM2M	LPJmL	6.019648e+07	2271040	6.246752e+07
GFDL-ESM2M	PEPIC	1.241775e+08	5533580	1.297111e+08
HadGEM2-ES	GEPIC	1.140697e+08	3655503	1.177252e+08
HadGEM2-ES	LPJmL	5.409961e+07	1522815	5.562242e+07
HadGEM2-ES	PEPIC	1.131367e+08	3981621	1.171184e+08
IPSL-CM5A-LR	GEPIC	1.226765e+08	4339824	1.270164e+08
IPSL-CM5A-LR	LPJmL	5.404364e+07	1855576	5.589922e+07
IPSL-CM5A-LR	PEPIC	1.213454e+08	4736920	1.260823e+08
MIROC5	GEPIC	1.14094e+08	3858818	1.179528e+08
MIROC5	LPJmL	5.18197e+07	1819092	5.363879e+07
MIROC5	PEPIC	1.109302e+08	4129578	1.150595e+08

Statistics:

	mean [t]	median [t]	standard deviation [t]
rainfed	9.70986e+07	113603200	3.00989e+07
irrigated	3.56397e+06	3.92022e+06	1.3069e+06
total	1.00663e+08	117421800	3.13525e+07

Total production per capita:

	SSP2	SSP1	SSP3	SSP2ZM	SSP2DM
population	1.34119e+08	1.33864e+08	1.30551e+08	1.2475e+08	1.42938e+08
total production per capita	0.75055	0.75198	0.771063	0.806918	0.704242

RCP2.6 / 2070 .. 2099

climate model	crop model	rf production [t]	irr production [t]	total production [t]
GFDL-ESM2M	GEPIC	7.082634e+07	5912433	7.673878e+07
GFDL-ESM2M	LPJmL	3.106014e+07	2469281	3.352942e+07
GFDL-ESM2M	PEPIC	6.869726e+07	6403578	7.510083e+07
HadGEM2-ES	GEPIC	8.186343e+07	4424184	8.628762e+07
HadGEM2-ES	LPJmL	3.433544e+07	1864241	3.619968e+07
HadGEM2-ES	PEPIC	8.009057e+07	4772151	8.486272e+07
IPSL-CM5A-LR	GEPIC	8.381962e+07	5316224	8.913584e+07
IPSL-CM5A-LR	LPJmL	3.295414e+07	2175590	3.512972e+07
IPSL-CM5A-LR	PEPIC	7.986175e+07	5803666	8.566542e+07
MIROC5	GEPIC	1.010129e+08	4290061	1.053029e+08
MIROC5	LPJmL	4.401797e+07	2151019	4.616899e+07
MIROC5	PEPIC	9.676889e+07	4543284	1.013122e+08

Statistics:

	mean [t]	median [t]	standard deviation [t]
rainfed	6.7109e+07	75344045	2.40607e+07
irrigated	4.17714e+06	4483734	1.55056e+06
total	7.12862e+07	80800750	2.52199e+07

Total production per capita:

	SSP2	SSP1	SSP3	SSP2ZM	SSP2DM
population	1.30116e+08	1.24743e+08	126895500	1.05485e+08	1.51932e+08
total production per capita	0.547867	0.571465	0.561771	0.675795	0.469198

RCP6.0 / 2070 .. 2099

climate model	crop model	rf production [t]	irr production [t]	total production [t]
GFDL-ESM2M	GEPIC	9.585842e+07	7852516	1.037108e+08
GFDL-ESM2M	LPJmL	4.859702e+07	3471956	5.206898e+07
GFDL-ESM2M	PEPIC	9.76985e+07	8554294	1.062527e+08
HadGEM2-ES	GEPIC	7.308774e+07	4090324	7.717807e+07
HadGEM2-ES	LPJmL	3.734728e+07	1725357	3.907264e+07
HadGEM2-ES	PEPIC	7.528213e+07	4406908	7.968904e+07
IPSL-CM5A-LR	GEPIC	8.2925e+07	4310784	8.723578e+07
IPSL-CM5A-LR	LPJmL	3.879282e+07	1773884	4.056671e+07
IPSL-CM5A-LR	PEPIC	8.369693e+07	4666998	8.836392e+07
MIROC5	GEPIC	1.045956e+08	5138418	1.09734e+08
MIROC5	LPJmL	5.39952e+07	2448776	5.644398e+07
MIROC5	PEPIC	1.052043e+08	5507086	1.107114e+08

Statistics:

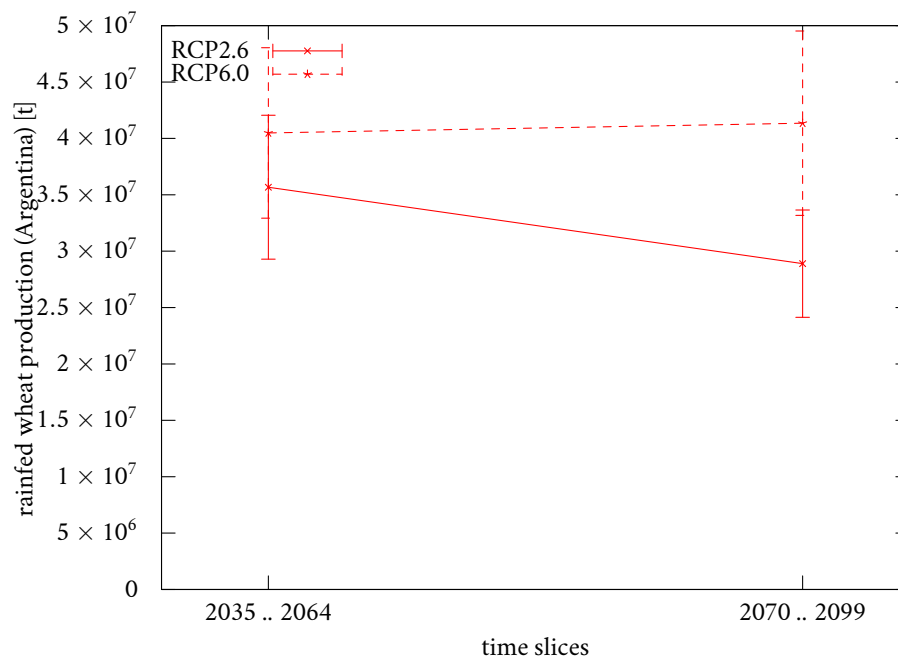
	mean [t]	median [t]	standard deviation [t]
rainfed	74756745	79103565	2.37118e+07
irrigated	4.49561e+06	4358846	2.03579e+06
total	79252335	83462410	2.54418e+07

Total production per capita:

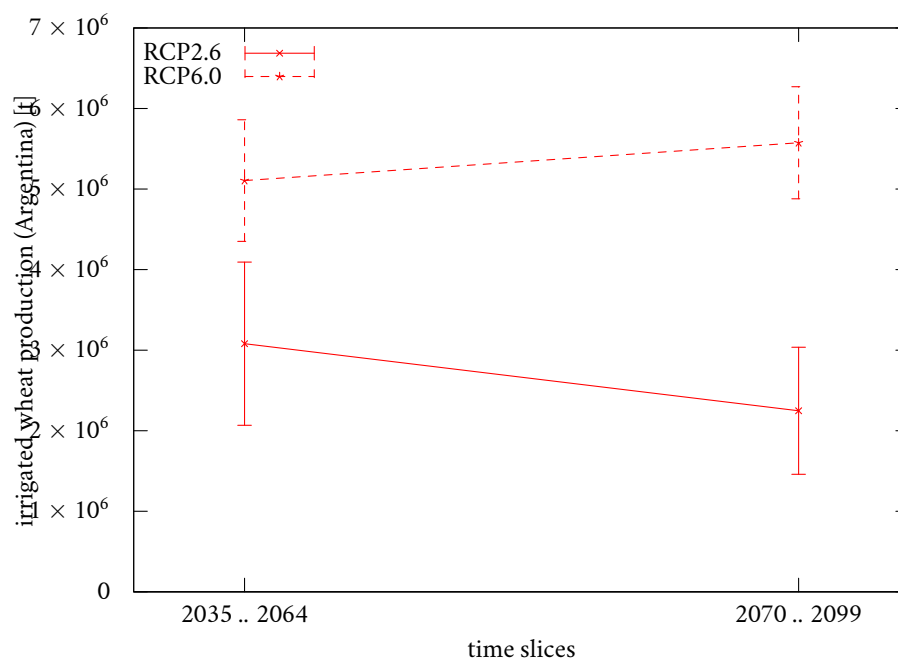
	SSP2	SSP1	SSP3	SSP2ZM	SSP2DM
population	1.30116e+08	1.24743e+08	126895500	1.05485e+08	1.51932e+08
total production per capita	0.60909	0.635325	0.624548	0.751314	0.52163

3.3 Argentina

Rainfed

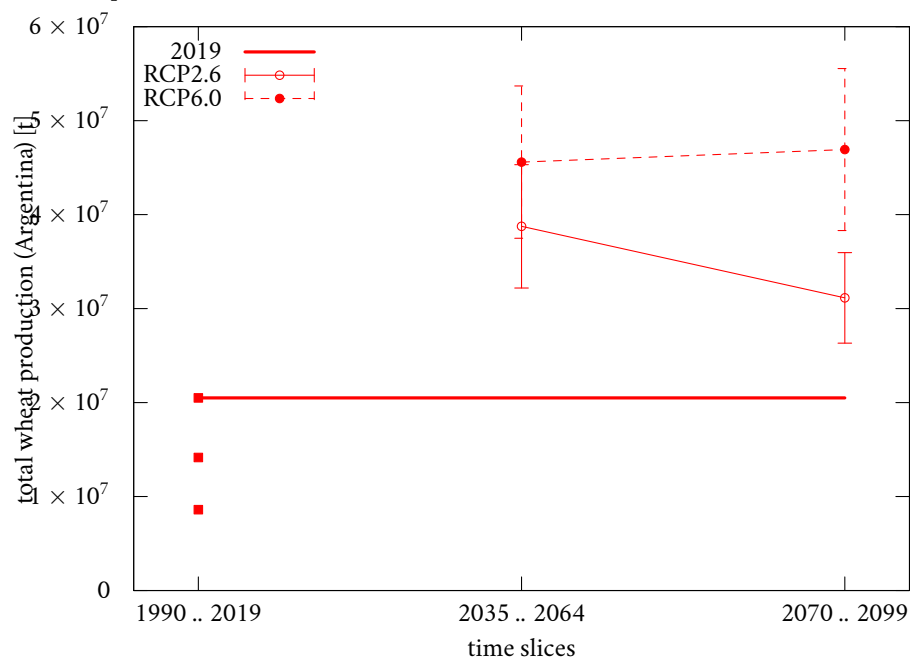


Irrigated



Total

Observed production 2019: 20500000 t



(The entry at 1990 .. 2019 shows the mean/min/max of the last 30 years. The future time slices, on the other hand, depict the mean across climate and impact models while the whiskers shows the standard deviation across models.)

RCP2.6 / 2035 .. 2064

climate model	crop model	rf production [t]	irr production [t]	total production [t]
GFDL-ESM2M	GEPIC	3.456518e+07	4275442	3.884062e+07
GFDL-ESM2M	LPJmL	2.74933e+07	4422928	3.191623e+07
GFDL-ESM2M	PEPIC	3.80711e+07	5190850	4.326112e+07
HadGEM2-ES	GEPIC	3.933576e+07	2869629	4.220539e+07
HadGEM2-ES	LPJmL	3.197812e+07	2919789	3.489791e+07
HadGEM2-ES	PEPIC	4.947242e+07	3534202	5.29953e+07
IPSL-CM5A-LR	GEPIC	3.695346e+07	2368802	3.932227e+07
IPSL-CM5A-LR	LPJmL	2.65569e+07	2421602	2.89785e+07
IPSL-CM5A-LR	PEPIC	3.974037e+07	2851559	4.259178e+07
MIROC5	GEPIC	3.582562e+07	1892330	3.771795e+07
MIROC5	LPJmL	2.731195e+07	1951761	2.926371e+07
MIROC5	PEPIC	4.076362e+07	2263583	4.30263e+07

Statistics:

	mean [t]	median [t]	standard deviation [t]
rainfed	3.56723e+07	36389540	6.38037e+06
irrigated	3.08021e+06	2860594	1.01267e+06
total	3.87514e+07	39081445	6.56173e+06

Total production per capita:

	SSP2	SSP1	SSP3	SSP2ZM	SSP2DM
population	53844100	5.1967e+07	58229250	5.33878e+07	5.4257e+07
total production per capita	0.719696	0.745692	0.665497	0.725847	0.714219

RCP6.0 / 2035 .. 2064

climate model	crop model	rf production [t]	irr production [t]	total production [t]
GFDL-ESM2M	GEPIC	4.146954e+07	5065680	4.653522e+07
GFDL-ESM2M	LPJmL	3.241409e+07	5246022	3.766011e+07
GFDL-ESM2M	PEPIC	4.583201e+07	6051144	5.188272e+07
HadGEM2-ES	GEPIC	4.596222e+07	5176170	5.113839e+07
HadGEM2-ES	LPJmL	3.881918e+07	5278211	4.409739e+07
HadGEM2-ES	PEPIC	5.794409e+07	6389866	6.433388e+07
IPSL-CM5A-LR	GEPIC	3.875147e+07	4879865	4.363133e+07
IPSL-CM5A-LR	LPJmL	3.042022e+07	4942746	3.536296e+07
IPSL-CM5A-LR	PEPIC	4.441188e+07	5939266	5.03237e+07
MIROC5	GEPIC	3.687162e+07	3807435	4.067905e+07
MIROC5	LPJmL	2.983591e+07	3859921	3.369583e+07
MIROC5	PEPIC	4.308809e+07	4627846	4.771586e+07

Statistics:

	mean [t]	median [t]	standard deviation [t]
rainfed	4.0485e+07	40144360	7.55676e+06
irrigated	5.10535e+06	5120925	754826
total	4.5588e+07	45316305	8.10692e+06

Total production per capita:

	SSP2	SSP1	SSP3	SSP2ZM	SSP2DM
population	53844100	5.1967e+07	58229250	5.33878e+07	5.4257e+07
total production per capita	0.846667	0.877249	0.782905	0.853903	0.840223

RCP2.6 / 2070 .. 2099

climate model	crop model	rf production [t]	irr production [t]	total production [t]
GFDL-ESM2M	GEPIC	2.874471e+07	2677516	3.142223e+07
GFDL-ESM2M	LPJmL	2.259638e+07	2825721	2.54221e+07
GFDL-ESM2M	PEPIC	3.151123e+07	3273996	3.476197e+07
HadGEM2-ES	GEPIC	2.948678e+07	2548492	3.203528e+07
HadGEM2-ES	LPJmL	2.336041e+07	2514860	2.587527e+07
HadGEM2-ES	PEPIC	3.678482e+07	3158194	3.992586e+07
IPSL-CM5A-LR	GEPIC	2.866298e+07	2167003	3.082999e+07
IPSL-CM5A-LR	LPJmL	2.193162e+07	2196512	2.412813e+07
IPSL-CM5A-LR	PEPIC	3.124249e+07	2627289	3.386841e+07
MIROC5	GEPIC	3.216591e+07	926735.8	3.309265e+07
MIROC5	LPJmL	2.447102e+07	939775.2	2.541079e+07
MIROC5	PEPIC	3.578749e+07	1114483	3.690169e+07

Statistics:

	mean [t]	median [t]	standard deviation [t]
rainfed	2.88955e+07	29115745	4.75746e+06
irrigated	2.24755e+06	2531676	788247
total	3.11395e+07	31728755	4.81442e+06

Total production per capita:

	SSP2	SSP1	SSP3	SSP2ZM	SSP2DM
population	5.70288e+07	52931400	7.12686e+07	5.57903e+07	58067350
total production per capita	0.546031	0.588299	0.436932	0.558153	0.536265

RCP6.0 / 2070 .. 2099

climate model	crop model	rf production [t]	irr production [t]	total production [t]
GFDL-ESM2M	GEPIC	4.125444e+07	5724745	4.697919e+07
GFDL-ESM2M	LPJmL	3.465069e+07	5935343	4.058603e+07
GFDL-ESM2M	PEPIC	4.790391e+07	6846132	5.474954e+07
HadGEM2-ES	GEPIC	4.640546e+07	5133650	5.153911e+07
HadGEM2-ES	LPJmL	4.275378e+07	5276594	4.803038e+07
HadGEM2-ES	PEPIC	6.15399e+07	6492126	6.803191e+07
IPSL-CM5A-LR	GEPIC	3.739146e+07	4508452	4.189992e+07
IPSL-CM5A-LR	LPJmL	3.088944e+07	4594952	3.54844e+07
IPSL-CM5A-LR	PEPIC	4.452338e+07	5576073	5.006923e+07
MIROC5	GEPIC	3.70814e+07	5225310	4.230671e+07
MIROC5	LPJmL	3.014224e+07	5245498	3.538774e+07
MIROC5	PEPIC	4.16692e+07	6341590	4.800953e+07

Statistics:

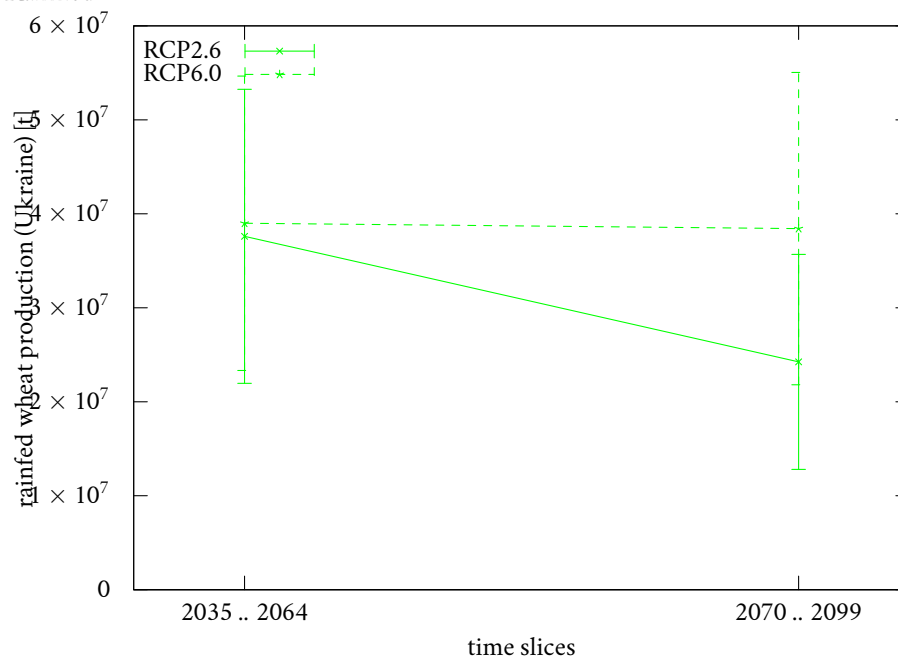
	mean [t]	median [t]	standard deviation [t]
rainfed	4.13504e+07	41461820	8.1757e+06
irrigated	5.57504e+06	5.42633e+06	695793
total	4.69228e+07	47494360	8.61714e+06

Total production per capita:

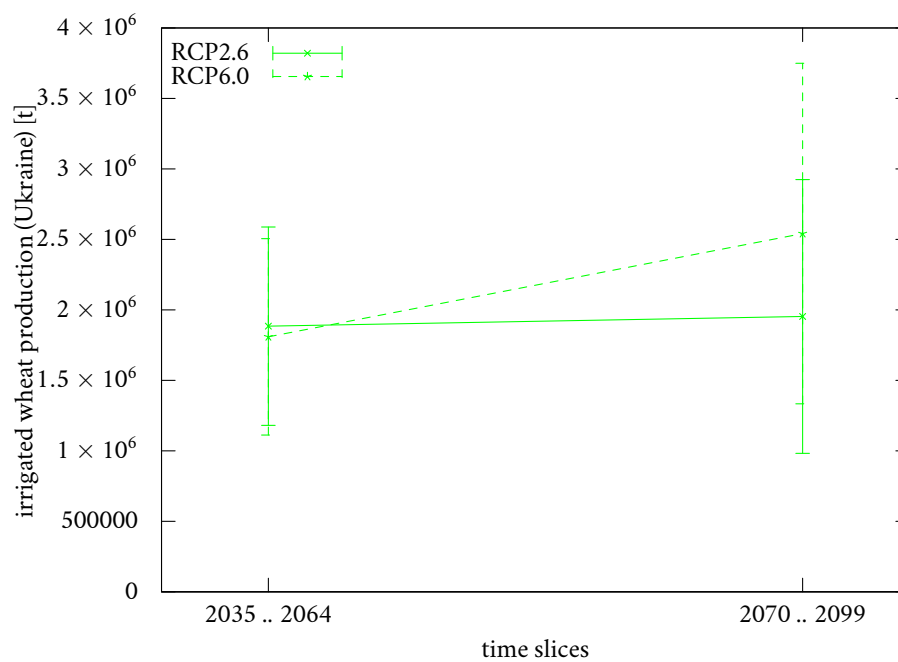
	SSP2	SSP1	SSP3	SSP2ZM	SSP2DM
population	5.70288e+07	52931400	7.12686e+07	5.57903e+07	58067350
total production per capita	0.822791	0.886483	0.658394	0.841057	0.808075

3.4 Ukraine

Rainfed

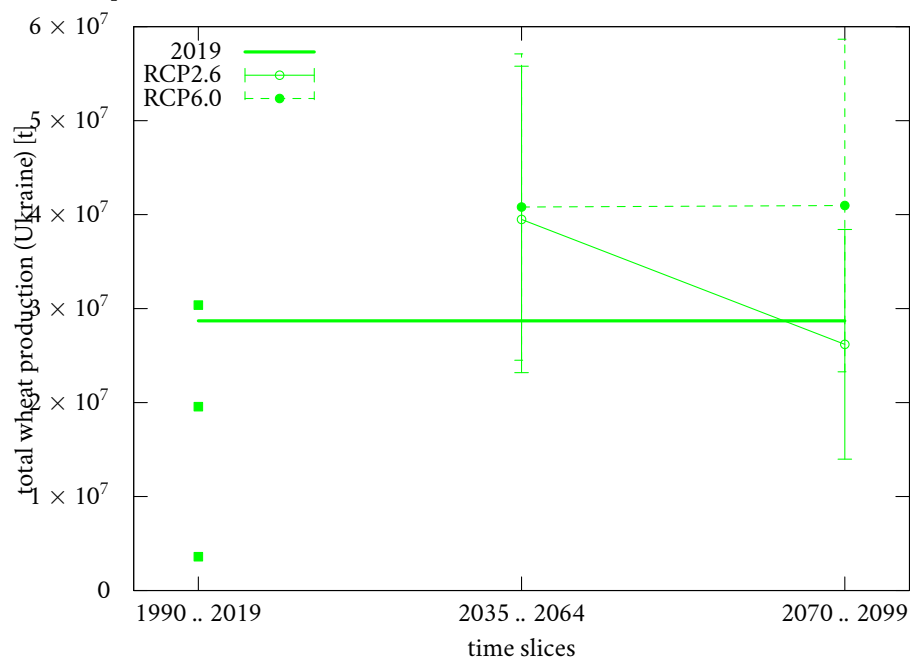


Irrigated



Total

Observed production 2019: 28700000 t



(The entry at 1990 .. 2019 shows the mean/min/max of the last 30 years. The future time slices, on the other hand, depict the mean across climate and impact models while the whiskers shows the standard deviation across models.)

RCP2.6 / 2035 .. 2064

climate model	crop model	rf production [t]	irr production [t]	total production [t]
GFDL-ESM2M	GEPIC	5.507773e+07	2969582	5.804732e+07
GFDL-ESM2M	LPJmL	2.046852e+07	1398132	2.186665e+07
GFDL-ESM2M	PEPIC	4.044164e+07	1863078	4.230472e+07
HadGEM2-ES	GEPIC	5.577498e+07	2730943	5.850592e+07
HadGEM2-ES	LPJmL	1.871687e+07	1194493	1.991136e+07
HadGEM2-ES	PEPIC	3.374277e+07	1468102	3.521088e+07
IPSL-CM5A-LR	GEPIC	5.878982e+07	3036261	6.182608e+07
IPSL-CM5A-LR	LPJmL	1.923332e+07	1361102	2.059442e+07
IPSL-CM5A-LR	PEPIC	3.68227e+07	1667804	3.849051e+07
MIROC5	GEPIC	5.933629e+07	2578416	6.19147e+07
MIROC5	LPJmL	1.872894e+07	1075848	1.980479e+07
MIROC5	PEPIC	3.412965e+07	1268992	3.539864e+07

Statistics:

	mean [t]	median [t]	standard deviation [t]
rainfed	3.76053e+07	35476175	1.56429e+07
irrigated	1.8844e+06	1567953	703688
total	3.94897e+07	36944575	1.63048e+07

Total production per capita:

	SSP2	SSP1	SSP3	SSP2ZM	SSP2DM
population	3.81354e+07	3.82517e+07	3.79458e+07	36784550	3.93432e+07
total production per capita	1.03551	1.03236	1.04069	1.07354	1.00372

RCP6.0 / 2035 .. 2064

climate model	crop model	rf production [t]	irr production [t]	total production [t]
GFDL-ESM2M	GEPIC	5.538336e+07	3052606	5.843596e+07
GFDL-ESM2M	LPJmL	2.132512e+07	1456449	2.278157e+07
GFDL-ESM2M	PEPIC	4.076454e+07	1942922	4.270747e+07
HadGEM2-ES	GEPIC	5.863713e+07	2295856	6.093298e+07
HadGEM2-ES	LPJmL	1.961523e+07	990742.3	2.060597e+07
HadGEM2-ES	PEPIC	3.275059e+07	1139196	3.388978e+07
IPSL-CM5A-LR	GEPIC	6.078736e+07	2806156	6.359352e+07
IPSL-CM5A-LR	LPJmL	2.148821e+07	1262194	2.27504e+07
IPSL-CM5A-LR	PEPIC	4.017476e+07	1541337	4.17161e+07
MIROC5	GEPIC	6.028946e+07	2700655	6.299012e+07
MIROC5	LPJmL	2.137849e+07	1177386	2.255588e+07
MIROC5	PEPIC	3.534115e+07	1340401	3.668155e+07

Statistics:

	mean [t]	median [t]	standard deviation [t]
rainfed	3.89946e+07	37757955	1.56638e+07
irrigated	1.80883e+06	1498893	696570
total	4.08034e+07	39198825	1.63008e+07

Total production per capita:

	SSP2	SSP1	SSP3	SSP2ZM	SSP2DM
population	3.81354e+07	3.82517e+07	3.79458e+07	36784550	3.93432e+07
total production per capita	1.06996	1.06671	1.07531	1.10925	1.03711

RCP2.6 / 2070 .. 2099

climate model	crop model	rf production [t]	irr production [t]	total production [t]
GFDL-ESM2M	GEPIC	3.47227e+07	4120013	3.884272e+07
GFDL-ESM2M	LPJmL	1.275518e+07	1915133	1.467032e+07
GFDL-ESM2M	PEPIC	2.482796e+07	2554415	2.738238e+07
HadGEM2-ES	GEPIC	3.687461e+07	2236005	3.911061e+07
HadGEM2-ES	LPJmL	1.215383e+07	976242	1.313007e+07
HadGEM2-ES	PEPIC	2.205701e+07	1185428	2.324244e+07
IPSL-CM5A-LR	GEPIC	2.637434e+07	1812921	2.818726e+07
IPSL-CM5A-LR	LPJmL	9644600	854323.6	1.049892e+07
IPSL-CM5A-LR	PEPIC	1.868803e+07	1163602	1.985163e+07
MIROC5	GEPIC	5.042175e+07	3519721	5.394147e+07
MIROC5	LPJmL	1.549144e+07	1478342	1.696978e+07
MIROC5	PEPIC	2.689648e+07	1623641	2.852012e+07

Statistics:

	mean [t]	median [t]	standard deviation [t]
rainfed	2.42423e+07	23442485	1.14386e+07
irrigated	1.95332e+06	1718281	971281
total	2.61956e+07	25312410	1.2218e+07

Total production per capita:

	SSP2	SSP1	SSP3	SSP2ZM	SSP2DM
population	3.3743e+07	3.25189e+07	3.42014e+07	2.91503e+07	3.75113e+07
total production per capita	0.776327	0.80555	0.765922	0.898639	0.698339

RCP6.0 / 2070 .. 2099

climate model	crop model	rf production [t]	irr production [t]	total production [t]
GFDL-ESM2M	GEPIC	5.43302e+07	4440894	5.877109e+07
GFDL-ESM2M	LPJmL	2.106503e+07	2054130	2.311916e+07
GFDL-ESM2M	PEPIC	3.903995e+07	2826316	4.186627e+07
HadGEM2-ES	GEPIC	5.496536e+07	2930716	5.789608e+07
HadGEM2-ES	LPJmL	1.75027e+07	1187645	1.869034e+07
HadGEM2-ES	PEPIC	2.414647e+07	1095644	2.524211e+07
IPSL-CM5A-LR	GEPIC	6.058428e+07	3338893	6.392317e+07
IPSL-CM5A-LR	LPJmL	2.190035e+07	1470696	2.337105e+07
IPSL-CM5A-LR	PEPIC	3.865617e+07	1789889	4.044606e+07
MIROC5	GEPIC	6.766877e+07	5145102	7.281386e+07
MIROC5	LPJmL	2.349227e+07	2044786	2.553706e+07
MIROC5	PEPIC	3.775566e+07	2173906	3.992956e+07

Statistics:

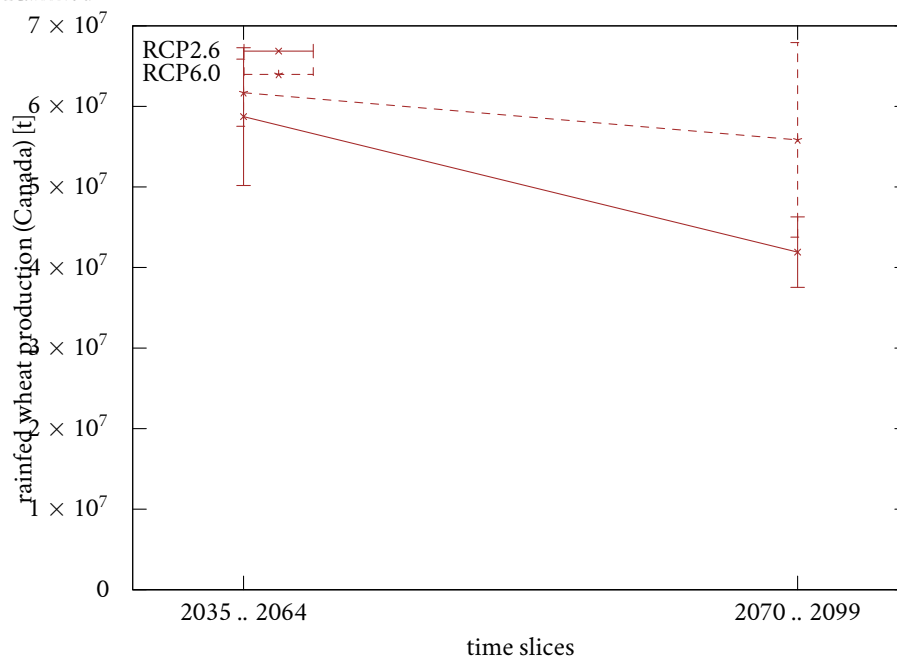
	mean [t]	median [t]	standard deviation [t]
rainfed	3.84256e+07	38205915	1.6615e+07
irrigated	2.54155e+06	2114018	1.20793e+06
total	4.09672e+07	40187810	1.76935e+07

Total production per capita:

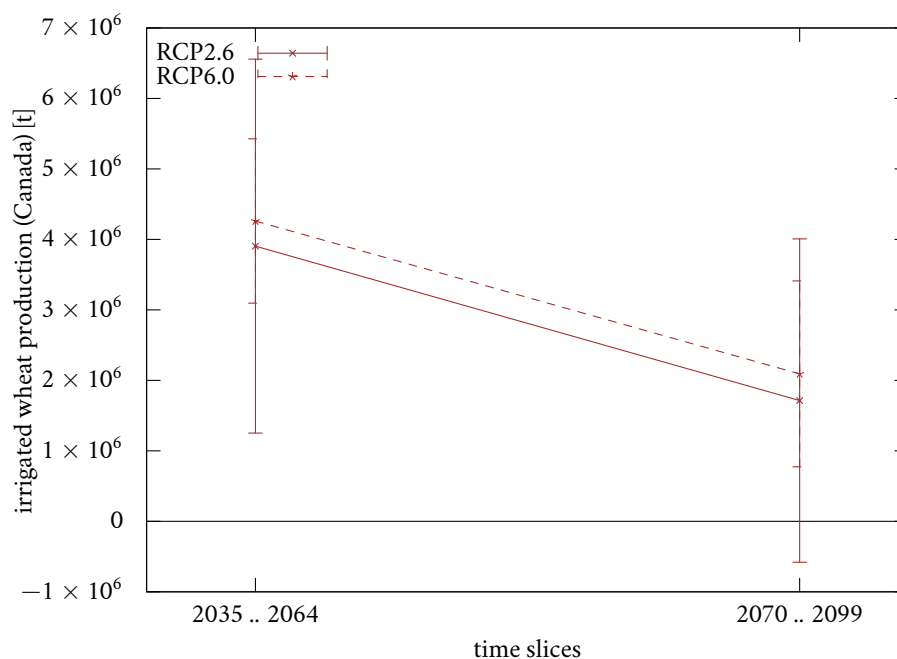
	SSP2	SSP1	SSP3	SSP2ZM	SSP2DM
population	3.3743e+07	3.25189e+07	3.42014e+07	2.91503e+07	3.75113e+07
total production per capita	1.21409	1.2598	1.19782	1.40538	1.09213

3.5 Canada

Rainfed

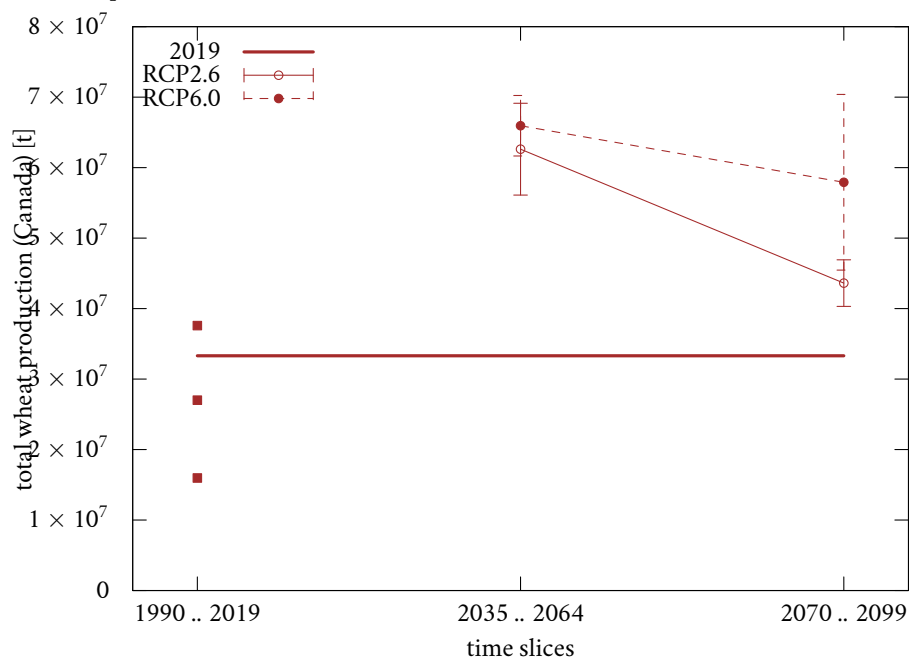


Irrigated



Total

Observed production 2019: 33300000 t



(The entry at 1990 .. 2019 shows the mean/min/max of the last 30 years. The future time slices, on the other hand, depict the mean across climate and impact models while the whiskers shows the standard deviation across models.)

RCP2.6 / 2035 .. 2064

climate model	crop model	rf production [t]	irr production [t]	total production [t]
GFDL-ESM2M	GEPIC	6.853726e+07	0	6.853726e+07
GFDL-ESM2M	LPJmL	6.890018e+07	0	6.890018e+07
GFDL-ESM2M	PEPIC	7.324906e+07	0	7.324906e+07
HadGEM2-ES	GEPIC	5.227418e+07	3638112	5.59123e+07
HadGEM2-ES	LPJmL	4.547982e+07	5557764	5.103759e+07
HadGEM2-ES	PEPIC	5.339782e+07	3602409	5.694354e+07
IPSL-CM5A-LR	GEPIC	6.227901e+07	3906492	6.618551e+07
IPSL-CM5A-LR	LPJmL	5.718178e+07	5604292	6.278607e+07
IPSL-CM5A-LR	PEPIC	6.542159e+07	3891696	6.925971e+07
MIROC5	GEPIC	5.3138e+07	5865772	5.900378e+07
MIROC5	LPJmL	4.738202e+07	8930803	5.631282e+07
MIROC5	PEPIC	5.75399e+07	5859790	6.332465e+07

Statistics:

	mean [t]	median [t]	standard deviation [t]
rainfed	5.87317e+07	57360840	8.55048e+06
irrigated	3.90476e+06	3899094	2.65289e+06
total	6.2621e+07	63055360	6.51268e+06

Total production per capita:

	SSP2	SSP1	SSP3	SSP2ZM	SSP2DM
population	43784300	42054850	3.92493e+07	3.66194e+07	5.04676e+07
total production per capita	1.43022	1.48903	1.59547	1.71005	1.24082

RCP6.0 / 2035 .. 2064

climate model	crop model	rf production [t]	irr production [t]	total production [t]
GFDL-ESM2M	GEPIC	6.239518e+07	3765584	6.616076e+07
GFDL-ESM2M	LPJmL	6.431238e+07	5711999	7.002438e+07
GFDL-ESM2M	PEPIC	6.688233e+07	3738960	7.055179e+07
HadGEM2-ES	GEPIC	5.818426e+07	3074513	6.125878e+07
HadGEM2-ES	LPJmL	5.740864e+07	4670548	6.207919e+07
HadGEM2-ES	PEPIC	6.191294e+07	3056312	6.492019e+07
IPSL-CM5A-LR	GEPIC	6.538837e+07	4723375	7.011174e+07
IPSL-CM5A-LR	LPJmL	5.831574e+07	6923350	6.523909e+07
IPSL-CM5A-LR	PEPIC	6.93536e+07	4717196	7.396471e+07
MIROC5	GEPIC	5.797044e+07	3043963	6.101441e+07
MIROC5	LPJmL	5.508309e+07	4672702	5.975579e+07
MIROC5	PEPIC	6.320438e+07	3034860	6.623924e+07

Statistics:

	mean [t]	median [t]	standard deviation [t]
rainfed	6.17009e+07	62154060	4.1691e+06
irrigated	4.26111e+06	4218066	1.16598e+06
total	6.59433e+07	65699925	4.28899e+06

Total production per capita:

	SSP2	SSP1	SSP3	SSP2ZM	SSP2DM
population	43784300	42054850	3.92493e+07	3.66194e+07	5.04676e+07
total production per capita	1.50609	1.56803	1.68011	1.80077	1.30665

RCP2.6 / 2070 .. 2099

climate model	crop model	rf production [t]	irr production [t]	total production [t]
GFDL-ESM2M	GEPIC	4.237356e+07	0	4.237356e+07
GFDL-ESM2M	LPJmL	4.310226e+07	0	4.310226e+07
GFDL-ESM2M	PEPIC	4.452593e+07	0	4.452593e+07
HadGEM2-ES	GEPIC	4.074967e+07	726930.8	4.14766e+07
HadGEM2-ES	LPJmL	3.790941e+07	1109051	3.901846e+07
HadGEM2-ES	PEPIC	4.258626e+07	726448	4.329926e+07
IPSL-CM5A-LR	GEPIC	4.834389e+07	404539.2	4.874843e+07
IPSL-CM5A-LR	LPJmL	3.995177e+07	589163.4	4.054094e+07
IPSL-CM5A-LR	PEPIC	5.027576e+07	404126.9	5.067804e+07
MIROC5	GEPIC	3.898296e+07	4776972	4.375993e+07
MIROC5	LPJmL	3.303458e+07	7078446	4.011303e+07
MIROC5	PEPIC	4.107221e+07	4742108	4.575782e+07

Statistics:

	mean [t]	median [t]	standard deviation [t]
rainfed	4.1909e+07	41722885	4.37365e+06
irrigated	1.71315e+06	657806	2.29407e+06
total	4.36162e+07	43200760	3.30403e+06

Total production per capita:

	SSP2	SSP1	SSP3	SSP2ZM	SSP2DM
population	52075050	4.5591e+07	4.11977e+07	3.36865e+07	67915250
total production per capita	0.837564	0.956684	1.0587	1.29477	0.642215

RCP6.0 / 2070 .. 2099

climate model	crop model	rf production [t]	irr production [t]	total production [t]
GFDL-ESM2M	GEPIC	6.395735e+07	2642642	6.659999e+07
GFDL-ESM2M	LPJmL	7.690594e+07	4002606	8.090854e+07
GFDL-ESM2M	PEPIC	6.902003e+07	2643303	7.158279e+07
HadGEM2-ES	GEPIC	5.277861e+07	45707.37	5.282432e+07
HadGEM2-ES	LPJmL	5.766978e+07	73437.49	5.774322e+07
HadGEM2-ES	PEPIC	5.766175e+07	44913.6	5.770128e+07
IPSL-CM5A-LR	GEPIC	5.873818e+07	2479568	6.121774e+07
IPSL-CM5A-LR	LPJmL	5.67905e+07	3799959	6.059046e+07
IPSL-CM5A-LR	PEPIC	6.333586e+07	2476641	6.574842e+07
MIROC5	GEPIC	3.576274e+07	1917892	3.768063e+07
MIROC5	LPJmL	3.863434e+07	3039456	4.167379e+07
MIROC5	PEPIC	3.889159e+07	1938818	4.078668e+07

Statistics:

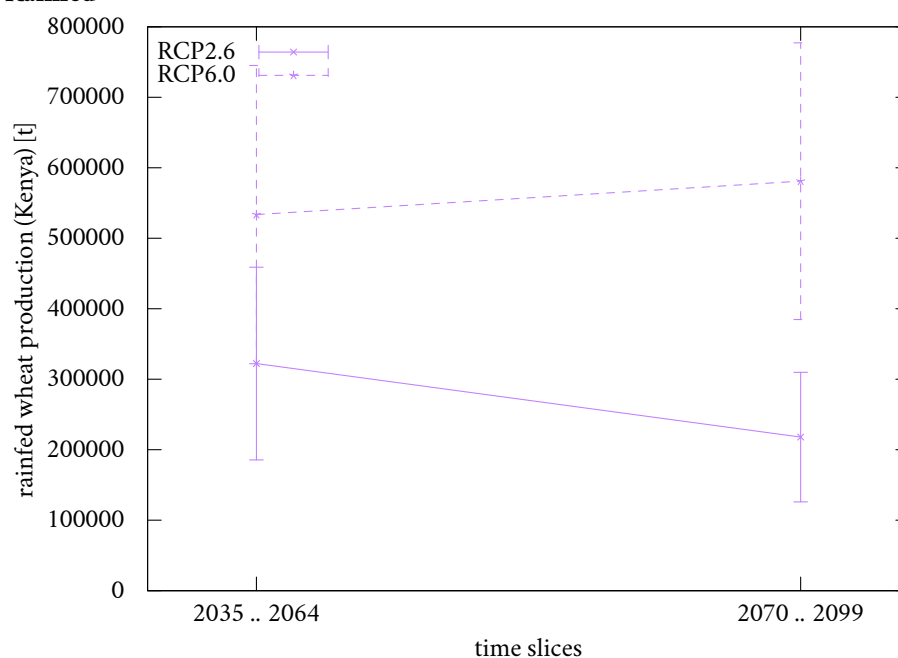
	mean [t]	median [t]	standard deviation [t]
rainfed	5.58456e+07	57665765	1.20806e+07
irrigated	2.09208e+06	2.4781e+06	1.31899e+06
total	5.79215e+07	59166840	1.24598e+07

Total production per capita:

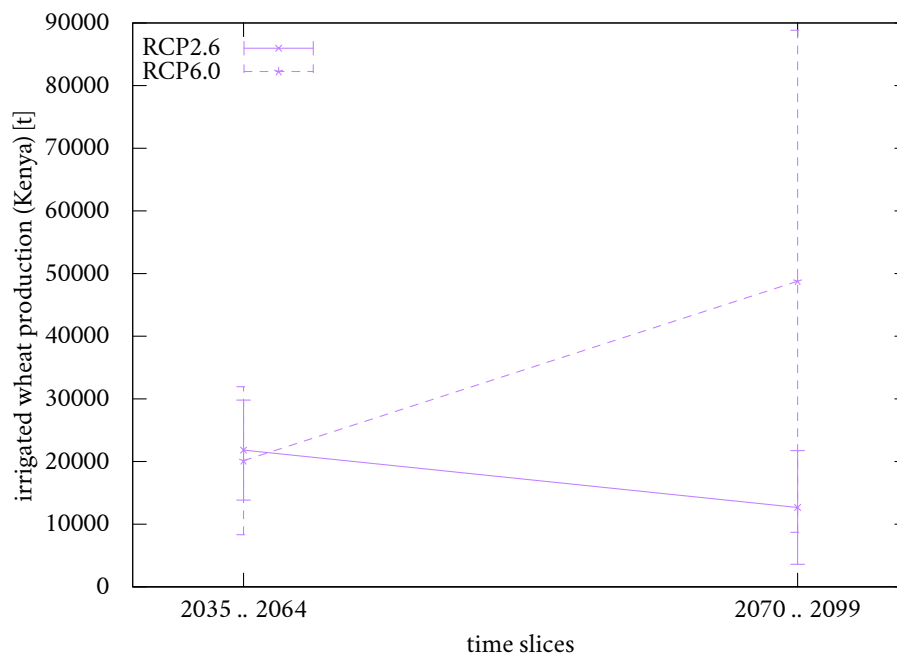
	SSP2	SSP1	SSP3	SSP2ZM	SSP2DM
population	52075050	4.5591e+07	4.11977e+07	3.36865e+07	67915250
total production per capita	1.11227	1.27046	1.40594	1.71943	0.85285

3.6 Kenya

Rainfed

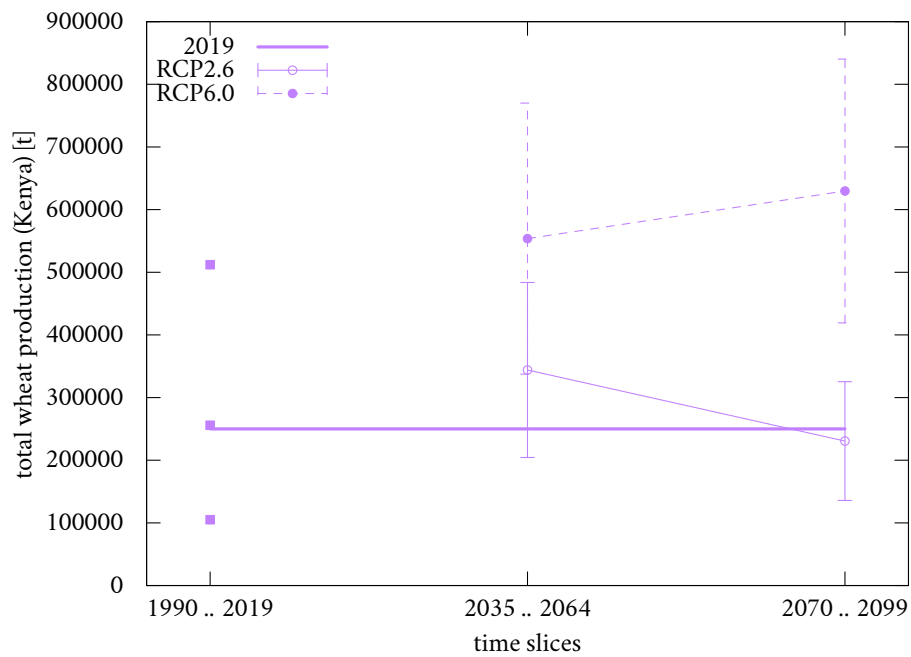


Irrigated



Total

Observed production 2019: 250000 t



(The entry at 1990 .. 2019 shows the mean/min/max of the last 30 years. The future time slices, on the other hand, depict the mean across climate and impact models while the whiskers shows the standard deviation across models.)

RCP2.6 / 2035 .. 2064

climate model	crop model	rf production [t]	irr production [t]	total production [t]
GFDL-ESM2M	GEPIC	223639.7	24297.54	247937.3
GFDL-ESM2M	LPJmL	107628.3	18033.57	125661.8
GFDL-ESM2M	PEPIC	279243.3	30175.65	309418.9
HadGEM2-ES	GEPIC	427340.1	23781.43	451121.5
HadGEM2-ES	LPJmL	224522.6	16976	241498.6
HadGEM2-ES	PEPIC	538694.5	29494.49	568189
IPSL-CM5A-LR	GEPIC	362244.3	28572.31	390816.7
IPSL-CM5A-LR	LPJmL	175019.9	21625.87	196645.7
IPSL-CM5A-LR	PEPIC	454291	35388.23	489631.5
MIROC5	GEPIC	390021.4	11625.26	401646.7
MIROC5	LPJmL	179147.8	7878.572	187026.4
MIROC5	PEPIC	504654	14099.59	518753.6

Statistics:

	mean [t]	median [t]	standard deviation [t]
rainfed	322204	320744	136666
irrigated	21829	22703.7	7979.82
total	344029	350118	139629

Total production per capita:

	SSP2	SSP1	SSP3	SSP2ZM	SSP2DM
population	8.72507e+07	7.41797e+07	1.04712e+08	87251850	8.72307e+07
total production per capita	0.00394299	0.00463778	0.00328548	0.00394294	0.0039439

RCP6.0 / 2035 .. 2064

climate model	crop model	rf production [t]	irr production [t]	total production [t]
GFDL-ESM2M	GEPIC	393832.2	11637.59	405469.8
GFDL-ESM2M	LPJmL	193550.7	8152.161	201702.9
GFDL-ESM2M	PEPIC	500026.2	14396.81	514423
HadGEM2-ES	GEPIC	727514.9	17669.55	745184.5
HadGEM2-ES	LPJmL	423959.3	12464.9	436424.2
HadGEM2-ES	PEPIC	929622.2	22256.87	951879
IPSL-CM5A-LR	GEPIC	546861.9	39040.14	585902.1
IPSL-CM5A-LR	LPJmL	290346.4	28412	318758.4
IPSL-CM5A-LR	PEPIC	725258.2	47741.14	772993.8
MIROC5	GEPIC	578819.8	13769.91	592589.6
MIROC5	LPJmL	327515.7	9432.674	336948.4
MIROC5	PEPIC	765857.2	16604.01	782461.2

Statistics:

	mean [t]	median [t]	standard deviation [t]
rainfed	533597	523444	211600
irrigated	20131.5	15500.4	11809.8
total	553728	550163	216320

Total production per capita:

	SSP2	SSP1	SSP3	SSP2ZM	SSP2DM
population	8.72507e+07	7.41797e+07	1.04712e+08	87251850	8.72307e+07
total production per capita	0.0063464	0.00746468	0.0052881	0.00634632	0.00634786

RCP2.6 / 2070 .. 2099

climate model	crop model	rf production [t]	irr production [t]	total production [t]
GFDL-ESM2M	GEPIC	176926.8	10117.11	187044
GFDL-ESM2M	LPJmL	79135.25	7971.705	87106.95
GFDL-ESM2M	PEPIC	212444.5	12914.94	225357.1
HadGEM2-ES	GEPIC	302650.1	9553.344	312203.4
HadGEM2-ES	LPJmL	151321.3	7423.292	158744.6
HadGEM2-ES	PEPIC	389960.2	12492.9	402446.8
IPSL-CM5A-LR	GEPIC	263517.2	26551.76	290068.9
IPSL-CM5A-LR	LPJmL	115175.8	22178.29	137354.1
IPSL-CM5A-LR	PEPIC	308370.4	32292.26	340510.3
MIROC5	GEPIC	231567.3	3478.486	235045.8
MIROC5	LPJmL	100234.7	2706.074	102940.8
MIROC5	PEPIC	283495.3	4319.23	287814.6

Statistics:

	mean [t]	median [t]	standard deviation [t]
rainfed	217900	222006	91895.3
irrigated	12666.6	9835.23	9071.78
total	230553	230201	94767.4

Total production per capita:

	SSP2	SSP1	SSP3	SSP2ZM	SSP2DM
population	111749850	7.88823e+07	1.69379e+08	1.12126e+08	1.11308e+08
total production per capita	0.00206312	0.00292275	0.00136117	0.0020562	0.00207131

RCP6.0 / 2070 .. 2099

climate model	crop model	rf production [t]	irr production [t]	total production [t]
GFDL-ESM2M	GEPIC	434265.1	34377.96	468643
GFDL-ESM2M	LPJmL	305705.9	25419.6	331125.5
GFDL-ESM2M	PEPIC	678513.1	41186.55	719699.7
HadGEM2-ES	GEPIC	718675.8	27764.95	746440.7
HadGEM2-ES	LPJmL	453428.6	20528.77	473957.3
HadGEM2-ES	PEPIC	922829.2	34011.35	956840.6
IPSL-CM5A-LR	GEPIC	613886.6	115960.9	729847.5
IPSL-CM5A-LR	LPJmL	379375.8	89672.9	469048.7
IPSL-CM5A-LR	PEPIC	828376.1	138923.5	967148.2
MIROC5	GEPIC	539855.1	19245.6	559100.8
MIROC5	LPJmL	328496.1	14065.28	342561.4
MIROC5	PEPIC	768328.3	24145.82	792474.2

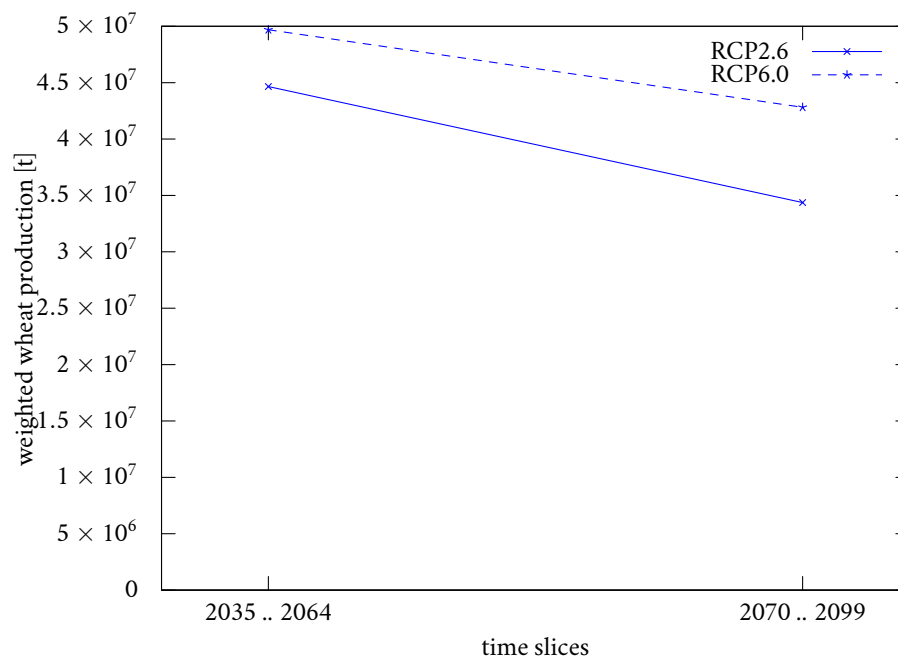
Statistics:

	mean [t]	median [t]	standard deviation [t]
rainfed	580978	576871	196294
irrigated	48775.3	30888.2	40066.9
total	629741	639400	210501

Total production per capita:

	SSP2	SSP1	SSP3	SSP2ZM	SSP2DM
population	111749850	7.88823e+07	1.69379e+08	1.12126e+08	1.11308e+08
total production per capita	0.00563527	0.0079833	0.00371794	0.00561637	0.00565764

3.7 Weighted production



time slice	RCP	weighted production [t]
2035 .. 2064	RCP2.6	44655640
2070 .. 2099	RCP2.6	34371295
2035 .. 2064	RCP6.0	49691925
2070 .. 2099	RCP6.0	42820031