

To achieve high-income status by 2020, Malaysia must grow by 6% per year to reach GNI per capita of RM48,000 or USD15,000

GNI per capita

HIGH-INCOME NATION



* At 2020 prices, consistent with EPU assumptions for inflation=2.8% and population growth=1%

† 2009 population 27.9 million, 2020 projected population 31.6 million (EPU projection)

SOURCE: World Bank, Economic Planning Unit, Department of Statistics

The Country has a Vision To transform... High Income; Develop Status by 2020

ETP >> EPPs



Irrigation Management Modernization for the Future



National Key Economic Areas (NKEAs) in the ETP

11 industry sectors were prioritised in addition to Greater KL/KV



Water is not an NKEA

But Water is critical for the success



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The water issues now and in the future

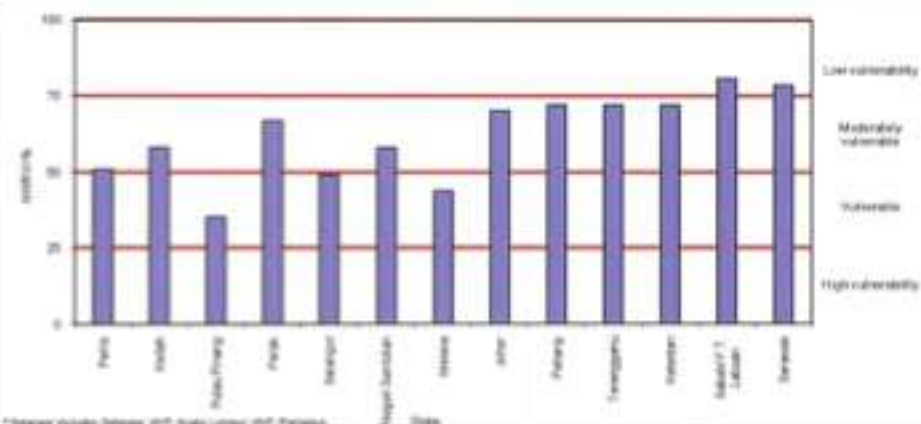
Total Water Demand against Total Water Availability for All Sectors

States	Land Area (sq.km)	Total Consumptive Water Demand (mm)					Effective yield (mm)	Excess/deficit (mm) - Unregulated Flows				
		2020	2025	2030	2040	2050		2020	2025	2030	2040	2050
Peninsular Malaysia	803	372.8	364.2	346.6	345.3	343.3	71	(83)	(294)	(277)	(175)	(272)
Selangor	9,388	307.4	313.2	299.1	303.4	303.8	113	(194)	(205)	(187)	(190)	(198)
Kuala Lumpur	2,044	726.4	751.9	797.5	834.4	833.2	120	(609)	(673)	(677)	(734)	(733)
Perak	23,020	97.7	93.9	87.5	83.8	85.1	142	47	48	54	54	53
Negeri Sembilan	6,366	112	104.1	93.9	94.7	94.2	76	21	27	32	32	31
Malacca	2,484	283.8	283.1	273.9	266.0	263.4	86	(130)	(135)	(140)	(141)	(137)
Johor	16,220	27.2	26.8	24.8	24.6	24.7	171	134	125	117	122	103
Pulau Pinang	36,027	20.1	19.2	18.8	18.2	18.5	149	149	139	140	140	139
Terengganu	23,020	17.8	16.8	15.4	15.1	15.7	254	186	179	179	177	175
Kedah	23,020	108.1	107.3	105.0	106.0	106.2	170	67	58	70	70	68
Peninsular Malaysia	132,470	36.5	35.1	32.2	32.9	32.2	139	62	56	57	58	58
Sabah	166,000	12.9	12.9	12.9	12.7	12.7	205	139	138	137	137	137
PT Labuan	70	297.7	284.3	281.6	286.0	288.0	123	125	58	27	59	8
Sarawak	134,400	8.4	7.3	6.7	6.5	6.5	225	113	109	103	104	102
East Malaysia	198,470	10.6	9.2	8.4	8.2	8.2	268	238	215	211	210	210
Total Malaysia	330,940	49.7	47.6	43.7	43.6	43.7	225.0	149.2	175.8	175.8	175.5	169.9

Source: RWSR (2006-2010) (Q1 2011)

That 5 States in Peninsular Malaysia is already in deficit of unregulated available supply. Other States in declining trend

Agriculture under threat

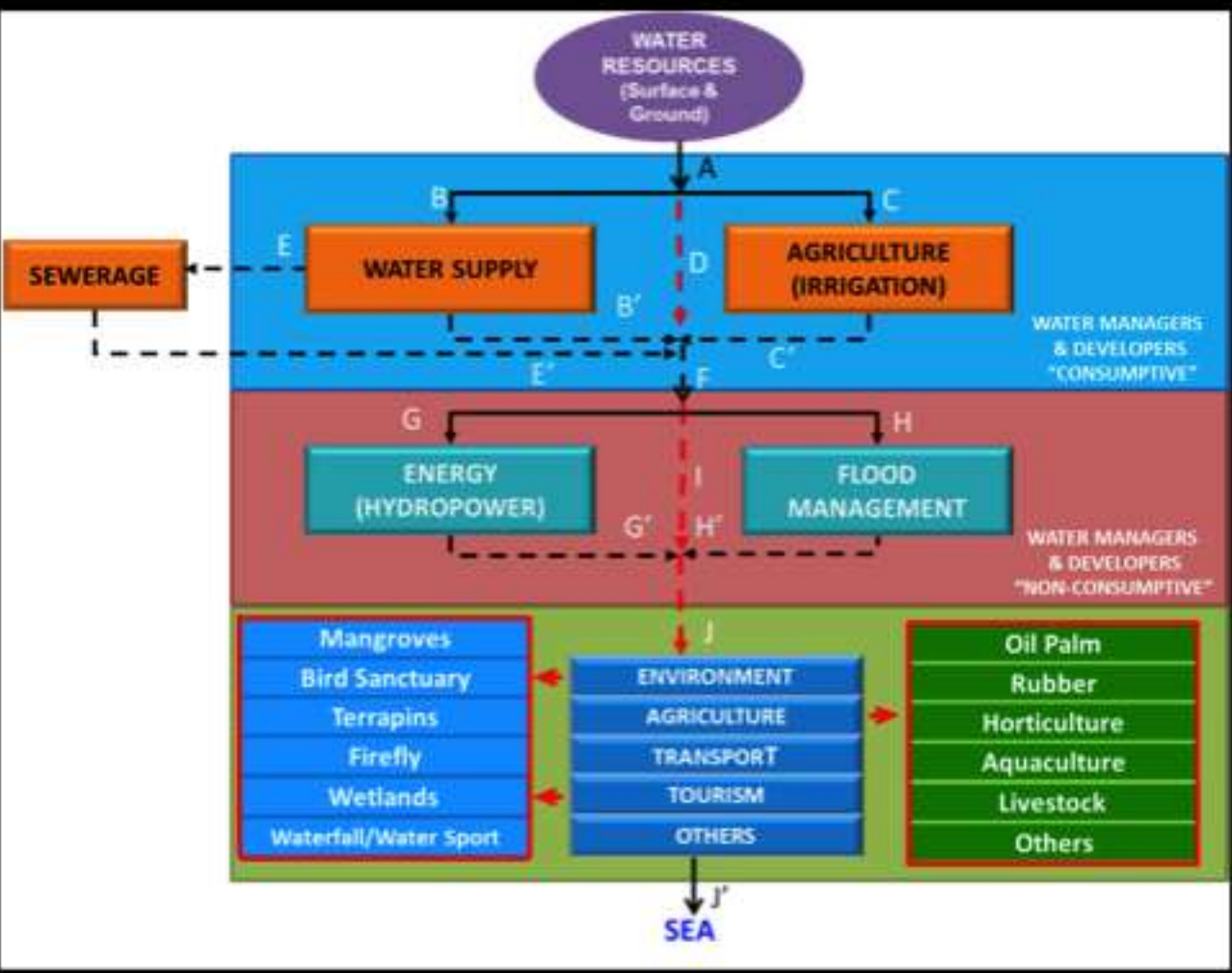


None of the States in the Peninsular are in the Low Vulnerability Index? Sabah and Sarawak only just..



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Agriculture is at the “mercy” of other sectors?

- Water for Environment under threat (*Quantity & Quality*)
- Off-river supply and rainfed agriculture under threat (*Quantity & Quality*)

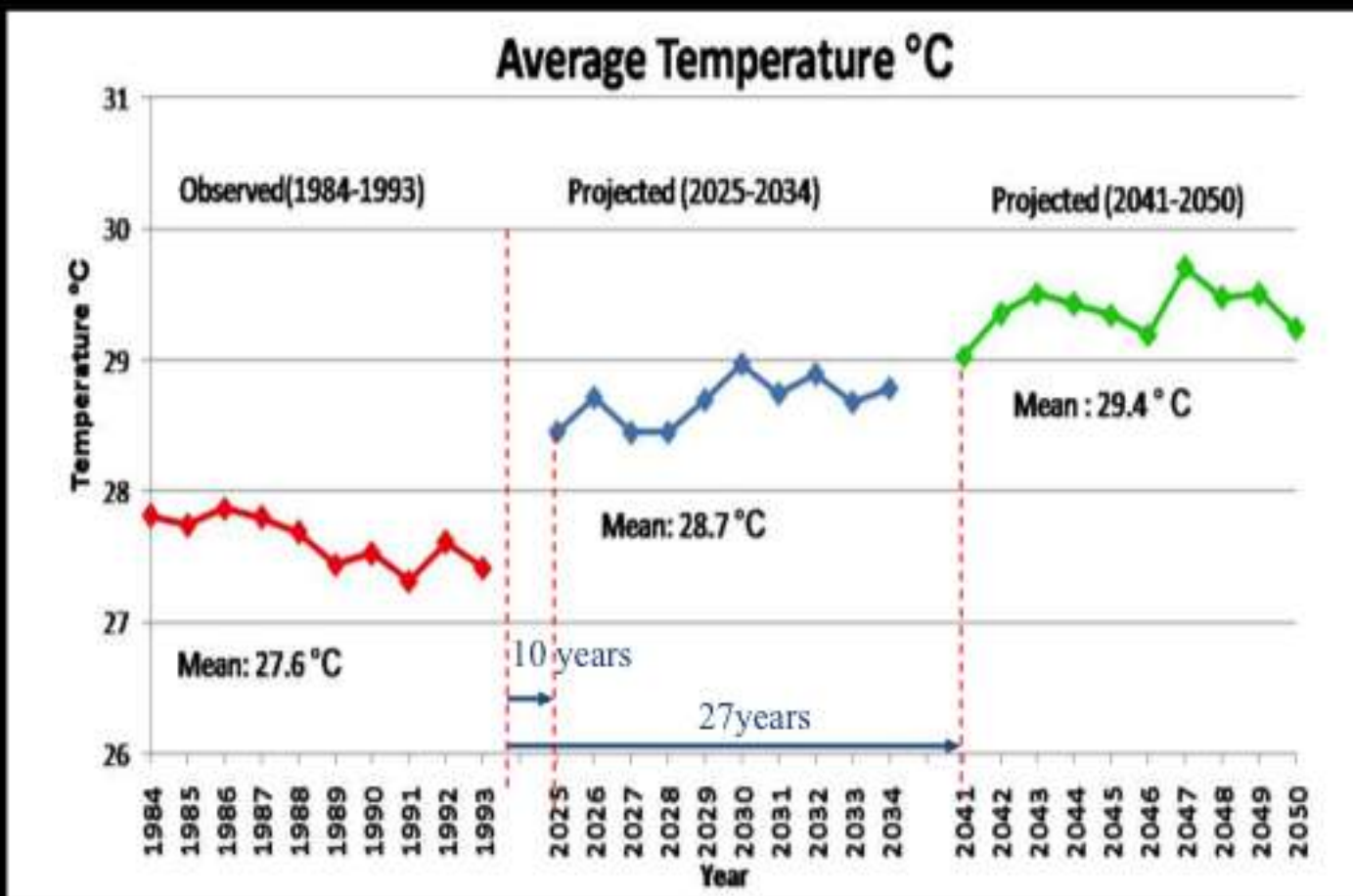
Who cares for rainfed agriculture? (MOA?)
 Who cares for water for oil palm (also a food crop)?



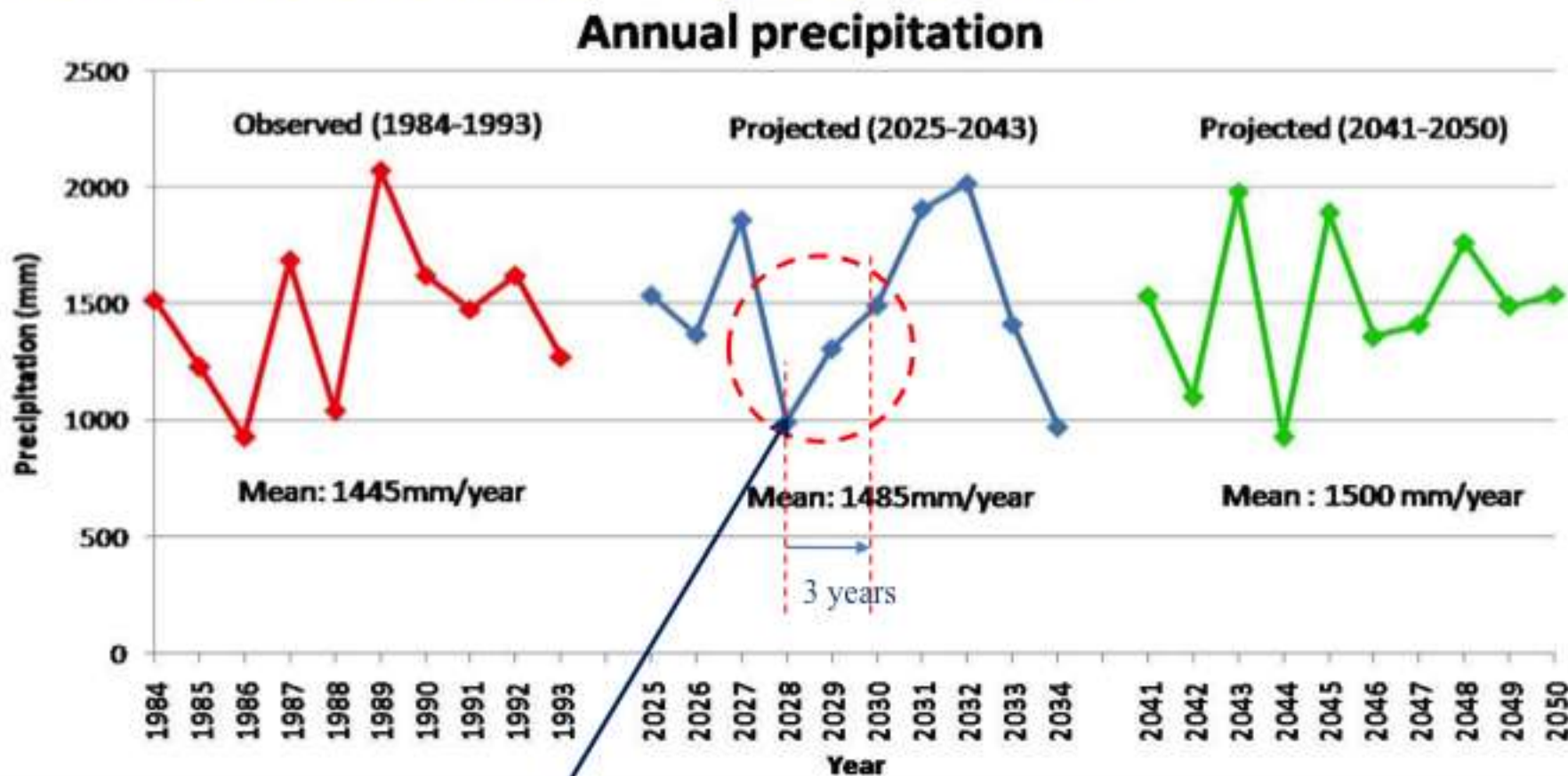
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Climate Change – Pulau Carey



Climate Change – Pulau Carey



Relatively long dry period – recovery time to annual average amount over 3 years

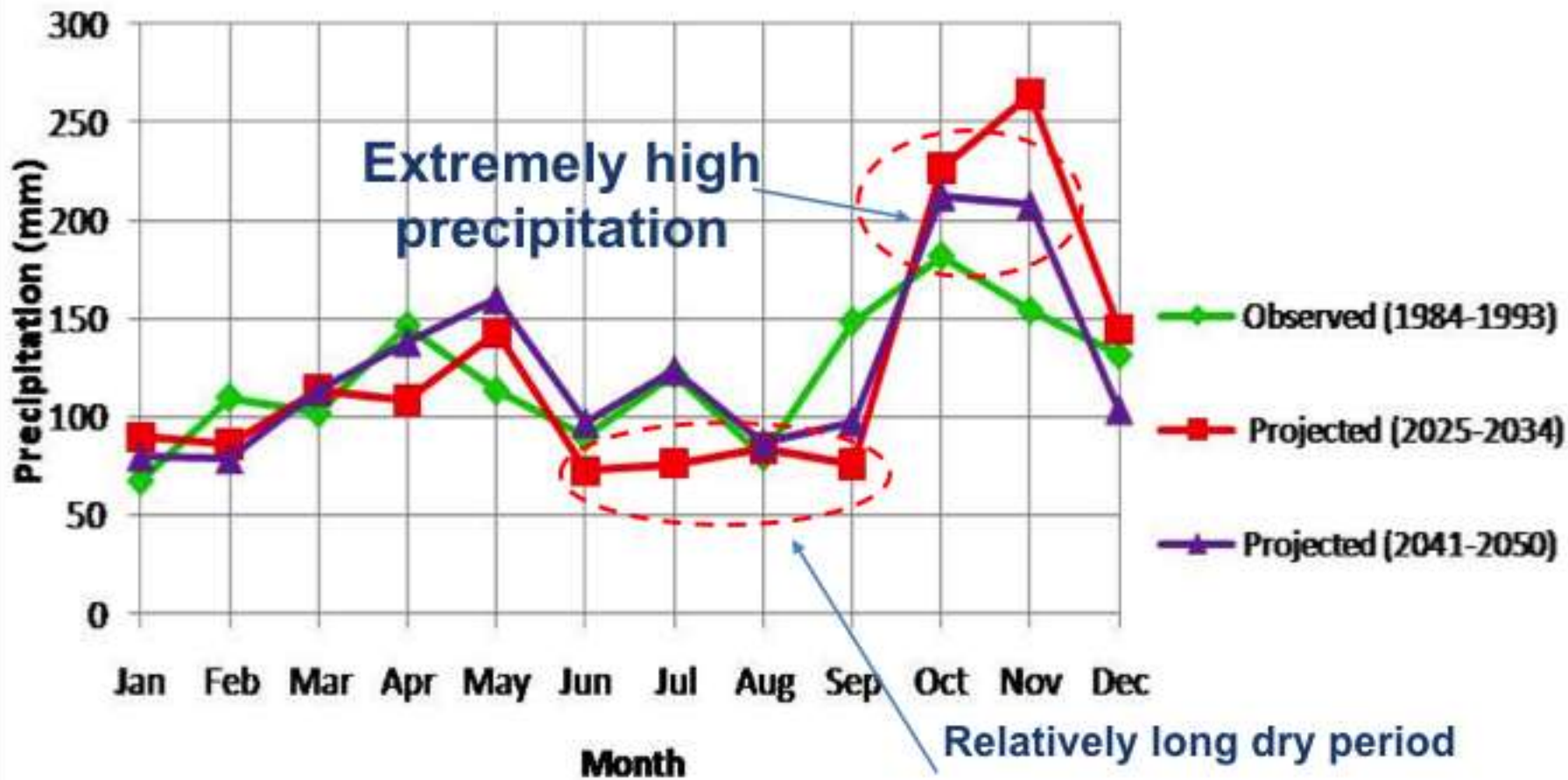


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Climate Change – Pulau Carey

Average Monthly Precipitation (mm)



Advance countries develop, own and export STI



We are still stuck with

Plug & Play

Cut & Paste



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IMM is about change
Change must be with
acceleration to be exciting

How can we make IMM
EXCITING for

Farmers?

Politicians?

For other stakeholders?
(especially the Agriculture and
Water Sectors)

& Us ????



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