

**AGRICULTURE SECTOR [NADP]
ALIGNMENT TO VISION 2050, DSP
2030, and MTDP 2015**

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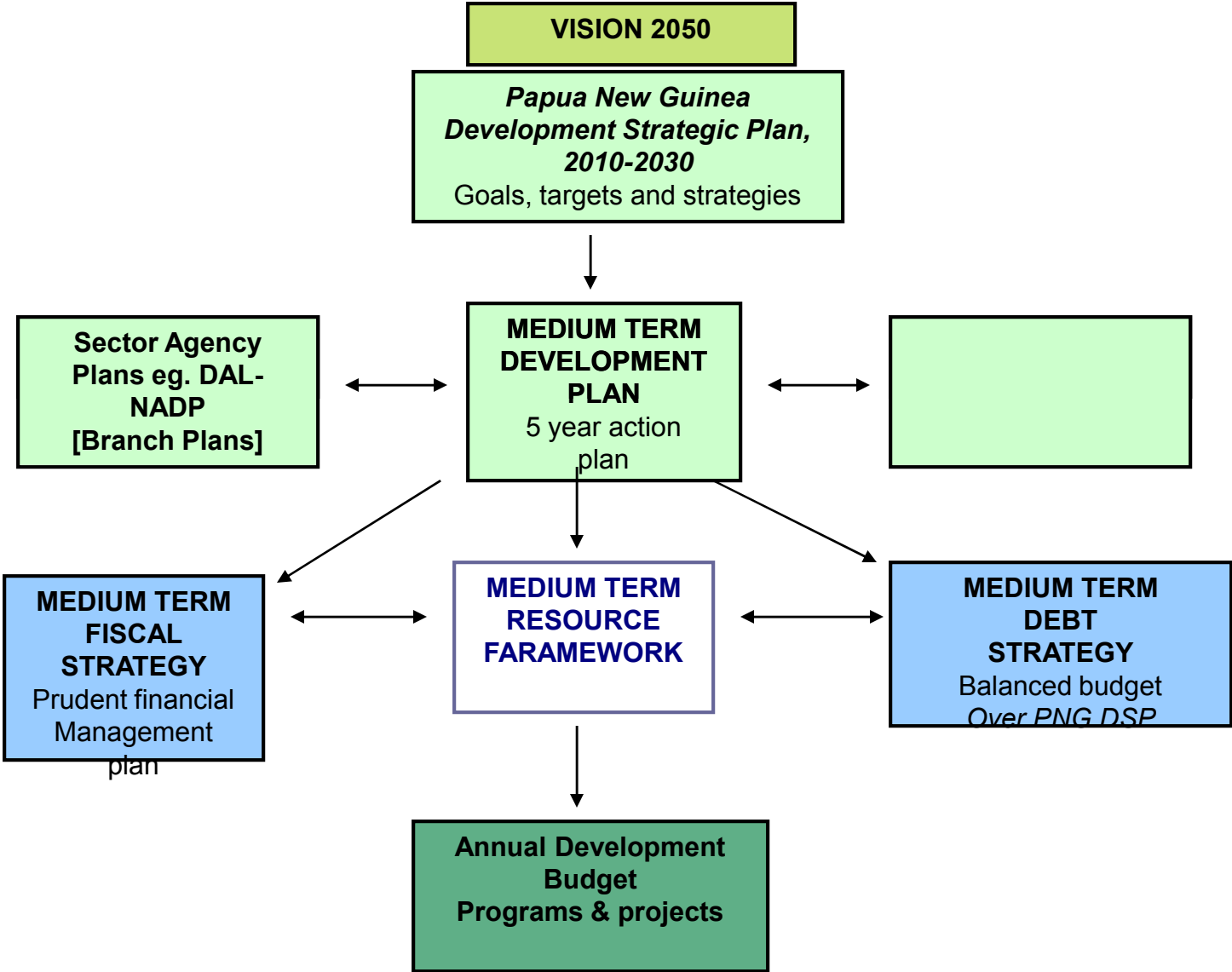
April 1, 2011
Ela Beach Hotel

THE BACKGROUND

- The National Agriculture Development Plan (2007 – 2016) was launched in March 2007.
 - The Government's PNG VISION 2050 (National Strategic Plan (NSP) was launched in November 2009, and
- In April 2010, the Government launched the National Development Strategic Plan (DSP) 2030
- The Medium Term Development Plan 2011 – 2015 was launched in October 2010
- The Four policies are to guide the nation's development in the short, medium to long term.

Although NADP's tenure is not over, MTDP 2015, DSP 2030 and Vision 2050 take precedence. Government will be allocating resources based on DSP 2030 and the Vision 2050 in the short to medium term. **Therefore, it is necessary that NADP be aligned to the higher national development objectives in the three strategic plans [as indicated].**

Linking the PNG DSP to the annual budget

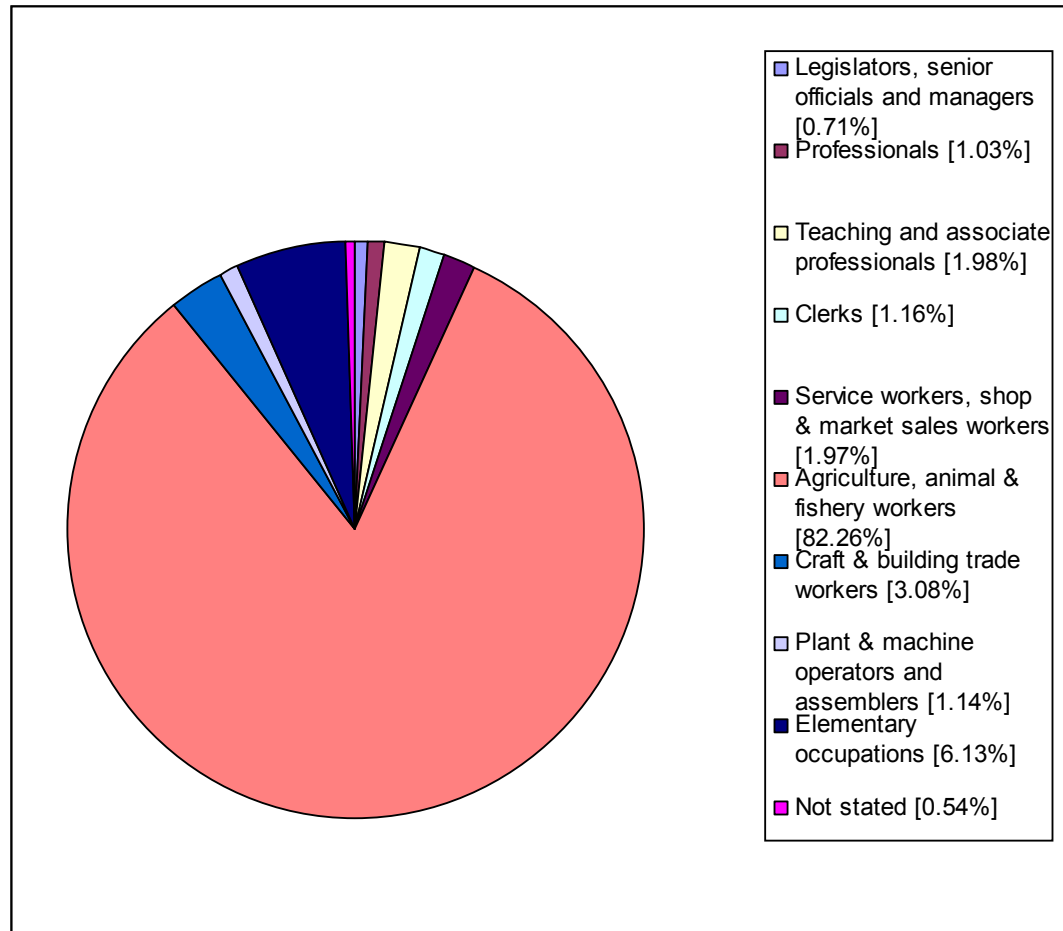


Purpose: Alignment of NADP to Government Policies; such as MTDS, DSP 2010-2030 and PNG Vision 2050 in the promotion of smart, wise, fair and happy society
(“the Challenge”)

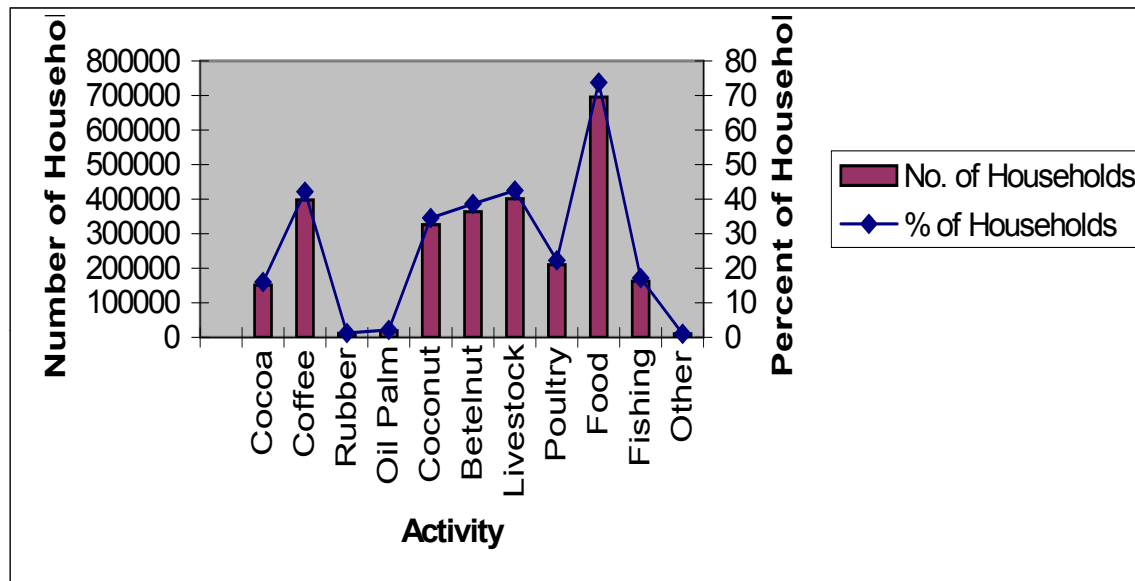
- **PNG VISION 2050 Statement “We will be a Smart, Wise, Fair, Healthy and Happy Society by 2050”**
- **DSP National Goal:** A high quality of life for all Papua New Guineas.
- **(MTDP Goal:** Building the Foundation for Prosperity)
- **NADP 2007 - 2016 Goal :** To stimulate economic growth in the agriculture sector in all Districts through the development of a well coordinated planning and implementation that are interactive, and effective, involving the full participation of the stakeholders, **which promotes food security, income generation (wealth creation) and poverty alleviation.**

The four policies above have similar goals, all of which in summary aim at improving the quality of life for the population. It is therefore important that they are all aligned and implemented jointly by all the agencies. departments and partners for success.

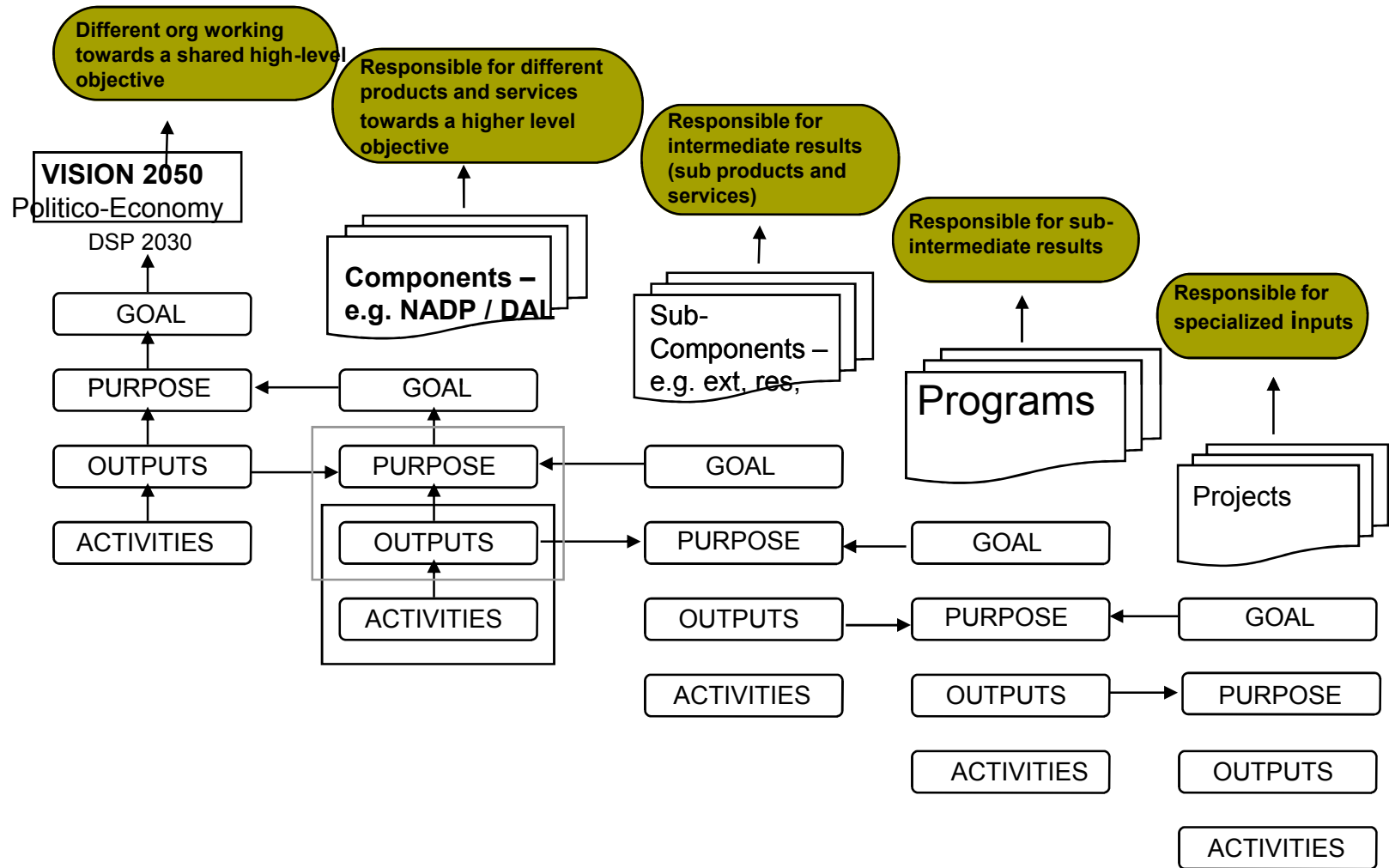
Agriculture, Animals and Fisheries Population in PNG (2000 Census)



PNG households in various agricultural activities [2000 Census]



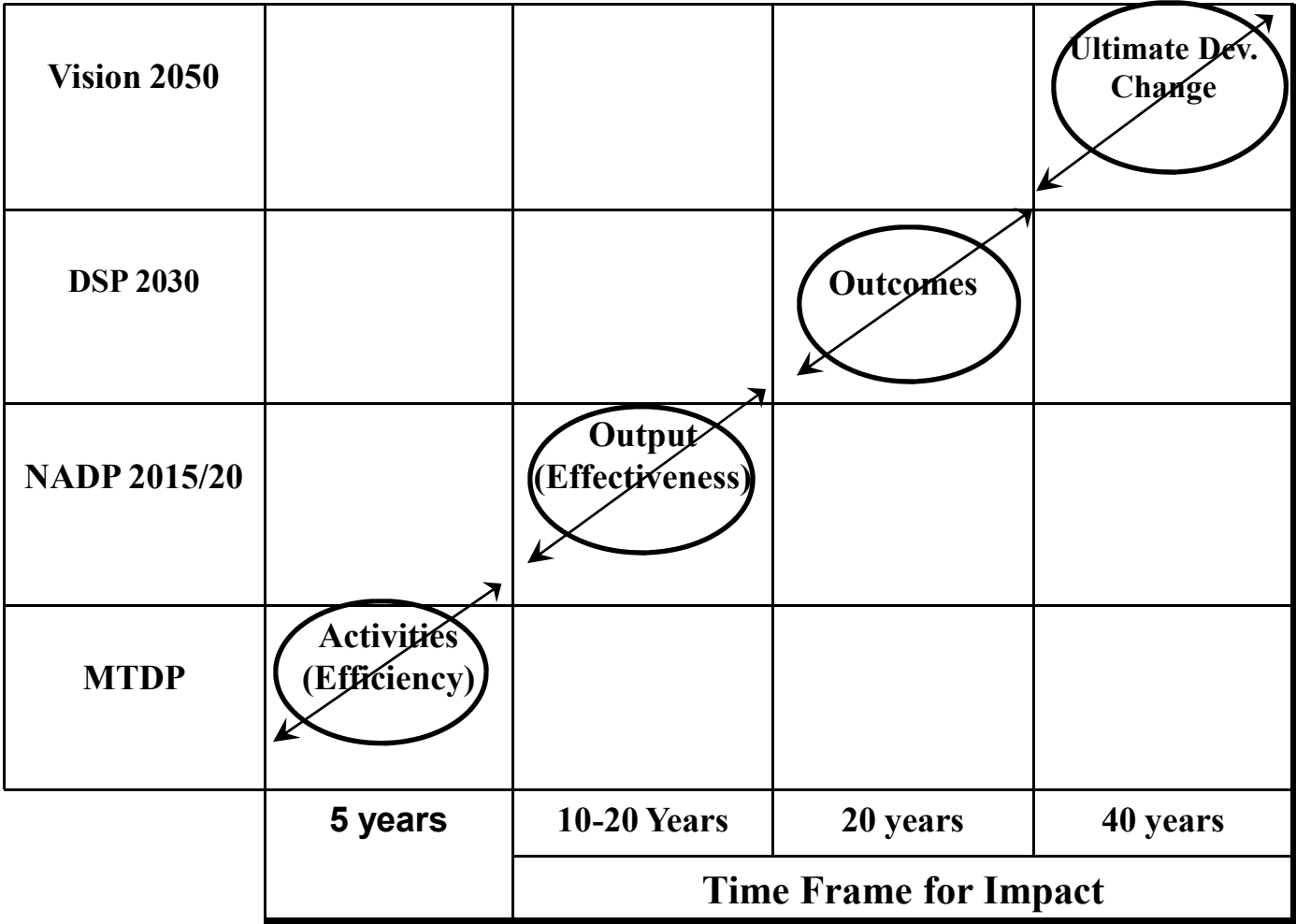
Cascading Logic – Tying Related Elements Together – Managing 4 Results



Types of actors per the system level

Longterm National Development Plans	Timeframe	Scope	Agents/Actors
Vision 2050	40 years	Defines the ideal Society for PNG	<i>GoPNG</i> ; nation among nations; (govt/private industry/civil society)
DSP 2030	20 years	Defines the whole of Government's Commitments and Approach	<u><i>DNPM</i></u> ; Line Depts/Different Sector Agencies – govt/private and donors
MTDP	5 years		
NADP 2016 (2020)	5-10 years	Defines the Government's Sectoral Priorities - Agriculture	<u><i>NDAL</i></u> ; economic sector agencies, sub-sector agencies & partners in private industries, NGOs etc...
.... <i>NARS-Research</i> ...	<i>5-10 years</i>	<i>Define research functions</i>	<i>NARS organisations; industry/sub-sector agencies etc..</i>

Objectives/Managing for Results – 40Year Impact Pathway



Defines the ideal Society for PNG

Defines the whole of Government's Commitments and Approach

Defines the Government's Sectoral Priorities

Defines the criteria to guide Government's Annual Budgets

Linkages for NADP

- Vision 2050
 - Wealth Creation
 - focus on manufacturing, **agriculture**, forestry, fisheries and tourism
 - Agriculture Impact projects
 - Human Capital Devt
 - Eenvt & Climate Change
 - DSP 2030
 - Agriculture one of 15 Sectoral Strategies
 - Through economic corridors concept
 - Human Capital Devt
 - Eenvt & Climate Change
- MTDP 2015**
- Agriculture one of 9 Economic Sectoral Strategies

Review of NADP

- Based on the cascading logic, NADP Values, Vision, Mission, Goal and Purpose were reviewed for its alignment to the Vision 2050 and DSP 2030.
- The purpose was further analyzed and Thematic areas and objectives were developed for the Key areas of implementation.
- As discussed below;

Values – NSP, DSP and NADP

PLANNING LEVEL	VALUES
	Integrity Excellence Discipline Christian value-based leadership
DSP 2030	National principles?
NADP 2007 -2016 Values Common vision Cooperation Transparency Excellence Relevance	Updated NADP Values Integrity People- Centered Empowerment Service Stewardship Innovativeness

Vision – NSP, DSP and NADP

PLANNING LEVEL	VISION
NSP 2050	We will be a smart, wise, fair, healthy and happy society by 2050
DSP 2030	PNG will be a prosperous middle-income country by 2030
NADP 2007 – 2016	Sustainable transformation of PNG’s agriculture sector into a vibrant and productive economic sector that contributes to economic growth, social well-being, national food security and poverty alleviation
Updated NADP Vision	Prosperous, happy and empowered Agricultural communities in food secure PNG

Level	Mission
NSP 2050	Creating opportunities for personal and national advancement through economic growth, smart innovative ideas, quality service and ensuring a fair and equitable distribution of benefits in a safe and secure environment for all citizens
DSP 2030	
NADP 2007 – 2016 Mission	Enhance the quality of life for over 87% of rural population in 89 districts and 19 provinces, through increased productivity, sustainable and quality production coupled with integrated planning and sustainable and environmental sustainable management
Updated NADP Mission	Transform PNG's agriculture through smart partnership and innovative, sustainable and entrepreneurial farming systems and value chains

GOAL – NSP, DSP and NADP

PLANNING LEVEL	GOAL
NSP 2050	
DSP 2030	A high quality of life for all Papua New Guineans
NADP 2007 = 2016	To stimulate economic growth in the agriculture sector in all districts through the development of a well coordinated planning and implementation that are interactive and effective, involving the full participation of the stakeholders, which promotes food security, income and poverty alleviation.
Updated NADP Goal	Prosperous, happy and empowered Agricultural communities in food secure PNG

NADP PURPOSE

NADP 2007 - 2016 Version

1. To reduce costs of production and improve quality of agricultural produce for both domestic and international markets
2. To increase income earning opportunities of those dependent on agriculture.
3. To allocate resources based on priority areas
4. To ensure that development is socially, economically, and environmentally sustainable
5. To improve the recognition of women's contributions to rural industries and increase opportunities for women's decision making in agriculture.

- **Updated NADP Version**
- ***Enhanced agricultural productivity, scale of production, market access and income generation through smart partnerships and innovative, sustainable and entrepreneurial farming systems and agro-industry***

Thematic [Priority] Areas of NADP

NADP 2007 – 2016 (8 Key Areas)

- 1. Agriculture research, extension, information and training;**
- 2. Food and horticultural crops development;**
- 3. Tree and industrial crops development;**
- 4. Livestock, apiculture and aquaculture development;**
- 5. Spice and minor crops development;**
- 6. Gender, social and HIV/AIDS related issues;**
- 7. Regulatory and technical services;**
- 8. NADP management and coordination.**

Updated NADP Version (Ten Functional Areas)

- 1. Enhanced scale of Production and Productivity;**
- 2. Research and Extension for Development;**
- 3. Natural Resources and Energy Management;**
- 4. Food Safety, Quality and Nutrition;**
- 5. Human Capacity Development and Entrepreneurship;**
- 6. Agro- processing & Marketing**
- 7. Information Management and Communication;**
- 8. Policy Analysis, Advocacy and Enabling Policies;**
- 9. Institutional Capacity Strengthening;**
- 10. Resourcing**

Agriculture Sector Thematic / Functional Areas

1. Enhanced Productivity and Scale of Production
2. Research and Extension for Development
3. Sustainable Natural Resources and Energy Management
4. Food Safety, Quality and Nutrition
5. Human Capacity Development and Entrepreneurship
6. Agro-processing and Marketing
7. Information Management and Communication
8. Policy Analysis, Advocacy and Enabling Policies
9. Institutional Capacity Strengthening
10. Resourcing Management and Coordination

Thematic Areas and Participating Agencies

Thematic Area	Thematic Objectives	Objectively Verifiable Indicators	DAL	OTHER AGENCIES
1. ¹ Enhanced scale of Production and Productivity	Smallholder, Corporate farmers and agro-industry produce at an appropriate efficient scale to meet food security, domestic and international market demand	Increased efficiency and volume and area of production	Food Security, Rubber, Spice, Sago, Cassava	Cocoa, Coffee, Oil Palm, Coconut (KIK), Tea, FPDA, LDC, NARI, NAQIA, Private Sectors, Provinces and Districts, NDB, Micro-Finance, SBDC, Donors.
2. ² Research and Extension for Development	Innovative solutions delivered to all stakeholders within the agriculture value chain	Increased adoption of innovative solutions delivered to all value chain actors	LISTC/HAC, SSSEP, Resource Centers, P&ISS	NARS, Universities, Provinces and Districts, Donors
3. ³ Natural Resources and Energy Management	Smallholder, Corporate farmers and other agriculture value chain actors run environmentally friendly and sustainable farming and production systems	All value chain actors have access to and adopted environmentally friendly and sustainable farming and production systems	Land Use/ PNGRIS	NARI, HAQIA, UPNG, UOT, UNRE, UOG, PNGNFA, DEC, DLPP
4. ⁴ Food Safety, Quality and Nutrition	Food safety, quality and nutritional standards and regulations that protect consumers and meet market standards are put in place and enforced	Enhanced food safety, quality and nutritional standards and effective regulations	CODEX, Food Security, Science & Tech	DOH, NAQIA, FPDA, DEC, NSITT, ICC, NARI, UOT, Commodity Bodies, Private Sectors, Donors
5. ⁵ Human Capacity Development and Entrepreneurship	Men, women, youth, and people living with HIV and other disadvantaged	Increased competent and skilled human capital developed	AE&T (HAC/LISTC), PAD, Food Security, SSSEP	All Sector agencies and Private Sectors, Universities,

Thematic Areas and Participating Agencies

6. Agro- processing & Marketing	Increased value addition of agriculture products that meet market standards and improved market access, infrastructure and fair trade opportunities	Increased downstream and up-stream of agriculture products and increased access to domestic and international markets	Food Security, P&ISS	All sector commodities and agencies, UOT,IPA, DCI, NDB, Commercial banks, Private Sectors, DFATI /IRC, Customs and Tariff
7. Information Management and Communication	Agriculture value chain actors have access to relevant information to make well-informed decisions	Increased access to relevant agric information and communication technologies	Information & Publication and all other DAL branches	Commodity Boards and agencies, Provinces and Districts, Private Sectors, Universities, Donors
8. Policy Analysis, Advocacy and Enabling Policies	Smallholder farmers and other agriculture value chain actors influence the formulation and effective implementation of enabling policies	Increased participation of value chain actors in policy formulation. Effective & efficient formulation of policies	ERPPC CME NAC Secretariat Top Management and other branches P&ISS	NAC .NARS CIMC, RIC, NRI, Central Agencies, NEC, Provinces and Districts. Private Sector, Donors
9. Institutional Capacity Strengthening	Effective planning and management, partnership, coordination, good governance and leadership	Improved planning, management, coordination, partnership, good governance, leadership monitoring and evaluation systems	All Divisional branches and Top Management	NARS, Provinces and Districts, PCMC, Donors, All commodity agencies, Universities
10. Resourcing	NADP and other agriculture value chain actors are empowered and capacitated to mobilize and effectively manage resources for their programs	Empowered and increased allocation of resources to NADP and value chain actors	All DAL Divisional Branches, NADP	NDB, Micro-Finance, All Commodity agencies, Central, Agencies, DCI, SBDC, Donors, Private Sectors, Commercial Banks

Thematic Areas of some of the Agriculture Sector Agencies

Thematic Areas	DAL	OPIC	CIC	CCI	FPDA	NARI
1	Enhanced Productivity and Scale of Production	Productivity improvement	Productivity Improvement	Productivity Improvement	Productivity Improvement	Agricultural Systems Improvement (Productivity, Efficiency and Stability)
2	Research and Extension for Development	Sustainable expansion of Oilpalm production	Scaling of Production	Scaling and Sustainable Production	Scaling of Production and Supply	Information and Knowledge
3	Sustainable Natural Resources and Energy Management	Information Management and communication	Marketing Systems	Marketing Systems	Marketing Systems	Enabling Environment
4	Food and Nutrition Security	Policy and socio-cultural environment	Information and Communication	Information management and communication	Information Management, Communication and Outreach	Institutional Management and Development
5	Human Capacity Development and Entrepreneurship	Capacity building	Legal and Policy Environment	Regulatory, Legal and Policy Environment	Enabling Legal and Policy environment	
6	Agro- processing & Marketing		Institutional Capacity Strengthening	Institutional Capacity Strengthening	Institutional Capacity strengthening	

DSP & MTDP Targets for Agriculture

Indicator	Source	Baseline	2030 Targets	% Increase
Meat Production	LDC, DAL, Provinces	407,000 tons	4 million tons	982.8%
Coffee	CIC, CRI, ,DAL, Provinces	63,000 tons	500.000 tons	793.7%
Oil Palm	OPIC, OPRA, DAL, Provinces	556,000 tons	1.6 million tons	287.8%
Cocoa	PNGCB, PNGCCI, , DAL, Provinces	56,000 TONS	310,000 tons	553.6%
Copra	KIK, PNGCCI, DAL, Provinces	110,000 tons	440,000 tons	400%
Horticulture production	DAL, NARI, FPDA, Provinces	n/a	5 x increase	5 x increase
Rice production	NARI, DAL, Provinces	imports dominate market	Domestic Production to dominate	Domestic production to dominate
Sago production	DAL, Provinces	n/a	2 large plantations	2 large plantations
Staples banana, taro etc	DAL, NARI , Provinces	n/a	Enough for food and processing	Enough for food and processing

Projections to Address DSP / MTDP Targets

Year	Cocoa	Coffee	Copra	Copra Oil	Tea	Rubber	Palm Oil	% Incre ase
2010	58433	73868	36383	68355	6725	5513	491715	5%
2011	61354	77561	38202	71773	7062	5788	516301	
2012	64422	81439	40112	75361	7415	6078	542116	
2013	67643	85511	42117	79129	7785	6381	569222	
2014	71025	89786	44223	83086	8175	6700	597683	
2015	74576	94276	46434	87240	8583	7036	627567	8%
2016	80542	101818	50149	94219	9270	7599	677772	
2017	84569	109964	54761	101757	10011	8207	731994	
2018	88798	118761	58493	109897	10812	8863	790554	
2019	93238	128261	63172	118689	11677	9672	853798	
2020	97899	138522	68227	128184	12611	10338	922102	10%

Projections to Address DSP / MTDP Targets cont.

Year	Cocoa	Coffee	Copra	Copra Oil	Tea	Rubber	Palm Oil	% Increase
2020	97899	138522	68227	128184	12611	10338	922102	10%
2021	107689	152375	75049	141002	13872	11372	1014312	
2022	118458	167612	82554	155103	15260	12509	1115743	
2023	130304	184373	90810	170613	16786	13760	1227317	
2024	143339	202811	99891	187674	18465	15136	1350049	
2025	157672	223092	109880	206442	20311	16650	1485054	
2026	173440	245401	120868	227086	22342	18315	1633560	
2027	190784	269941	132954	249795	24576	20146	1796916	12%
2028	213678	302334	148909	279770	27526	22564	2012546	
2029	239320	339614	166778	313343	30829	25271	2254050	
2030	268038	379248	186791	450944	34528	28303	2524536	

Year	Cocoa	Coffee	Copra	Copra Oil	Tea	Rubber	Palm Oil
Aligned NADP Projected Targets by 2030	268038	379248	186791	450944	34528	28303	2524536
DSP Targets for 2030	310000	500000	440000		NA	NA	1600000
Deficit / Surplus	-41962	-120752	253209?	???			924536

Projected food crops production at 5% increase per annum (tons) 2010 - 2020

Year	Banana	Cassava	Coconut	Potato	Sago	Taro
2010	584946	364365	135256	25140	111177	307000
2011	614194	382584	142019	26397	116736	322350
2012	644903	401713	149120	27717	122573	338467
2013	677149	421798	156576	29103	128701	355391
2014	711006	442888	164404	30558	135136	373160
2015	746556	465033	172625	32086	141893	391818
2016	783884	488284	181256	33690	148988	411409
2017	823078	512699	190319	35375	156437	431980
2018	864232	538334	199834	37144	164259	453579
2019	907444	565250	209826	39001	172472	476257
2020	952816	593513	220318	40951	181096	500070

Projected food crops production at 5% increase per annum (tons) 2021 to 2030

Year	Banana	Cassava	Coconut	Potato	Sago	Taro
2021	1000457	623188	231333	42998	190150	525074
2022	1050480	654348	242900	45148	199658	551328
2023	1103004	687065	255045	47406	209641	578894
2024	1158154	721418	267797	49776	220123	607839
2025	1216062	757489	281187	52265	231129	638231
2026	1276865	795364	295247	54878	242685	670142
2027	1340708	835132	310009	57622	254820	703649
2028	1407743	876889	325509	60503	267561	738832
2029	1478130	920733	341785	63528	280939	775773
2030	1552037	966770	358874	66704	294986	814562

Projected other food crops production at 5% increase per annum (tons) 2010 to 2020

Year	Chinese Taro	Greater Yam	Lesser Yam	Rice	Sweet potato
2010	303577	122430	241714	49000	3848554
2011	318756	128551	253800	51450	4040981
2012	334694	134979	266490	54023	4243030
2013	351429	141728	279815	56724	4455182
2014	369000	148814	293805	59560	4677941
2015	387450	156255	308496	62538	4911838
2016	406823	164068	323920	65665	5157430
2017	427164	172271	340116	68948	5415301
2018	448522	180885	357122	72395	5686067
2019	470948	189929	374978	76015	5970370
2020	494495	199425	393727	79816	6268888

Projected other food crops production at 5% increase per annum (tons) 2021 to 2030

Year	Chinese Taro	Greater Yam	Lesser Yam	Rice	Sweet potato
2021	519220	209397	413414	83807	6582333
2022	545181	219866	434084	87997	6911449
2023	572440	230860	455789	92397	7257022
2024	601062	242403	478578	97017	7619873
2025	631115	254523	502507	101867	8000867
2026	662671	267249	527632	106961	8400910
2027	695805	280611	554014	112309	8820955
2028	730595	294642	581715	117924	9262003
2029	767125	309374	610800	123821	9725103
2030	805481	324843	641340	130012	10211359

The Way Forward

THE WAY FORWARD

- **Corporate/Strategic Plans**
- The DAL and the Agriculture Sector Agencies are at various stages in the formulation of their respective corporate/strategic plans that are aligned to the thematic/functional areas in the aligned NADP.
- **Restructure**
- Based on the aligned and updated corporate/strategic plans by the respective Sector Agencies there may be the need to re-structure in order to implement and deliver the functional/thematic areas developed.
- **Program/Project Development and Implementation**
- Accordingly Programs and Projects are being developed for implementation; to address the targets set by vision 2050, DSP 2030, and MTDP 2015 and the aligned NADP.

The Need for Sustainable Investment in Agriculture

- Sustainable investment in agriculture now will lead to sustainable livelihood of the population for now and the future; especially when our renewable resources decline
- Agriculture will remain the backbone of our population
- Wise Investment of part of the LNG revenue in agriculture is a stimulant and safeguard for sustainable development and prosperity of our rural population.

Areas of Investment

Updated NADP Version (Ten Functional Areas)

- 1. Enhanced scale of Production and Productivity;**
- 2. Research and Extension for Development;**
- 3. Natural Resources and Energy Management;**
- 4. Food Safety, Quality and Nutrition;**
- 5. Human Capacity Development and Entrepreneurship;**
- 6. Agro- processing & Marketing**
- 7. Information Management and Communication;**
- 8. Policy Analysis, Advocacy and Enabling Policies;**
- 9. Institutional Capacity Strengthening;**
- 10. Resourcing**

Funding and Creating of Enabling Environment for Agriculture to take off

Investments in the under-listed will
contribute to boost agriculture further

- Infrastructure
- Education
- Health
- Law and Order

The DAL and the Agricultural Sector Agencies are Aligned and Ready to Lead the Sector to Deliver

- The DAL and the agriculture sector agencies are ready to play key roles in respect of the Thematic/Functional area. They will do this in collaboration with the Provinces, Districts and the Private Sector.
- Team working between and within NARS, the Private Sector, and Districts is being strengthened in order to address the aligned NADP. The DSP and Vision 2050.

We are all part of the TEAM

- The cascading logic teaches us that, we are all part of a team
- We need to play different parts and each must play its part successfully for the team to succeed in achieving the National Vision of;

We will be a smart, wise, fair, healthy and happy society by 2050

TY

It is high time Government stops playing lip service to agriculture funding and its development.

The 82,26% of the PNG Population are ready to lead the country forward, if Govt could just Play its investment part.

And The time is now

Thank you