

CARD 4TH ANNUAL GENERAL MEETING PRESENTATION - ZAMBIA

TO BE HELD IN NOVEMBER, 2011



Presentation Outline



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List of Abbreviations

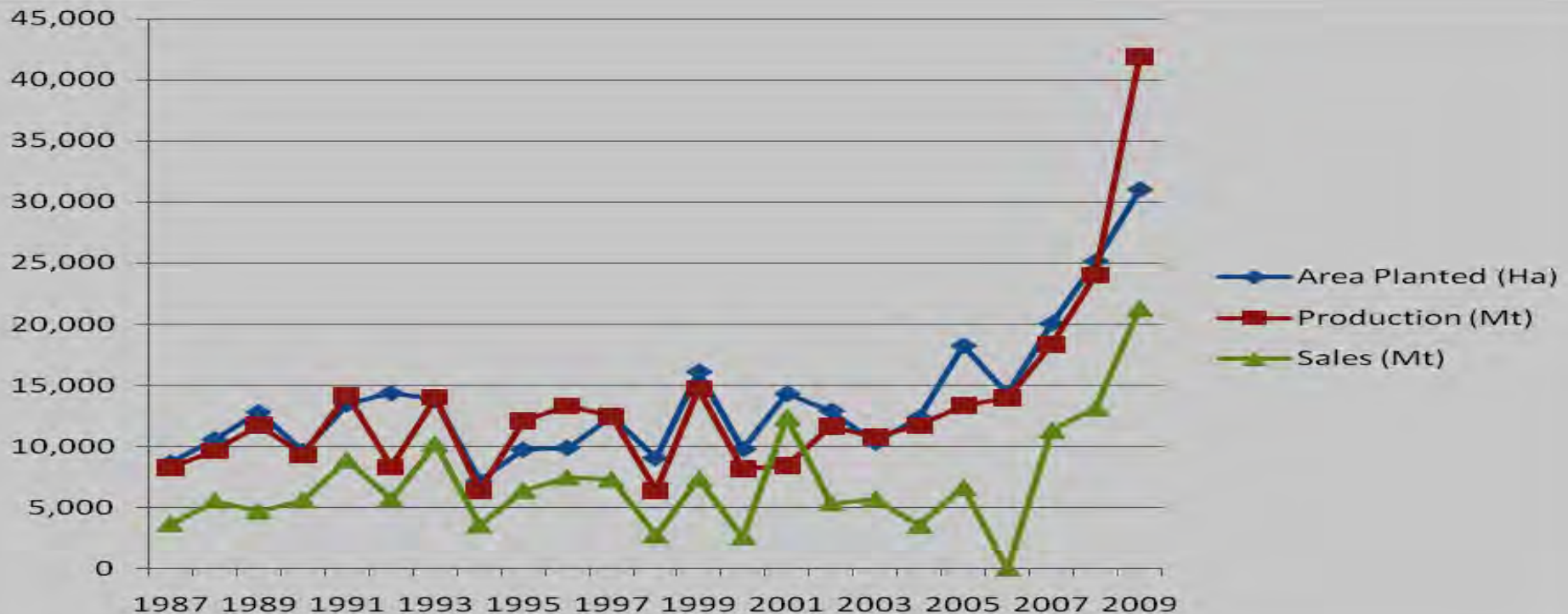


Abbreviation	Full Name
ACF	Agricultural Consultative Forum
CAADP	Comprehensive African Agriculture Development Programme
CARD	Coalition for African Rice Development
CSO	Central Statistics Office
FAO	Food and Agriculture Organization of the United Nation
JICA	Japan International Cooperation Agency
MACO	Ministry of Agriculture & Cooperatives
NAP	National Agricultural Policy
NIP	National Irrigation Policy
NRDS	National Rice Development Strategy
SCCI	Seed Control & Certification Institute
SNDP	Sixth National Development Plan
ZNRDS	Zambia National Rice Development Strategy

Background-Basic Facts



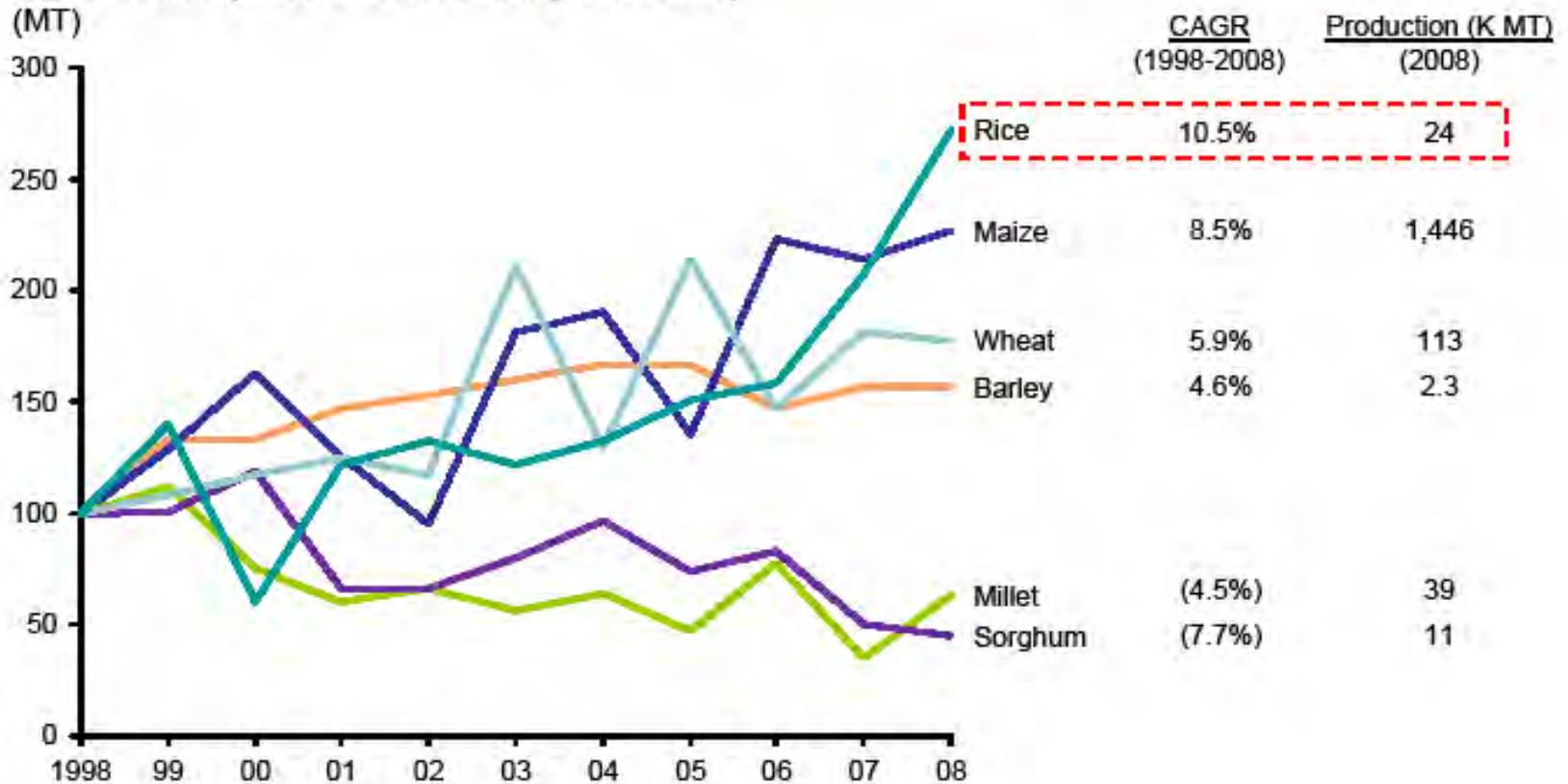
- n In the last 20 years (1988 to 2008) rice production in Zambia has increased by two and a half times (2.5) rising from 9,293 MT to 24,023 MT.



Rice is an emerging cereal food crop in Zambia



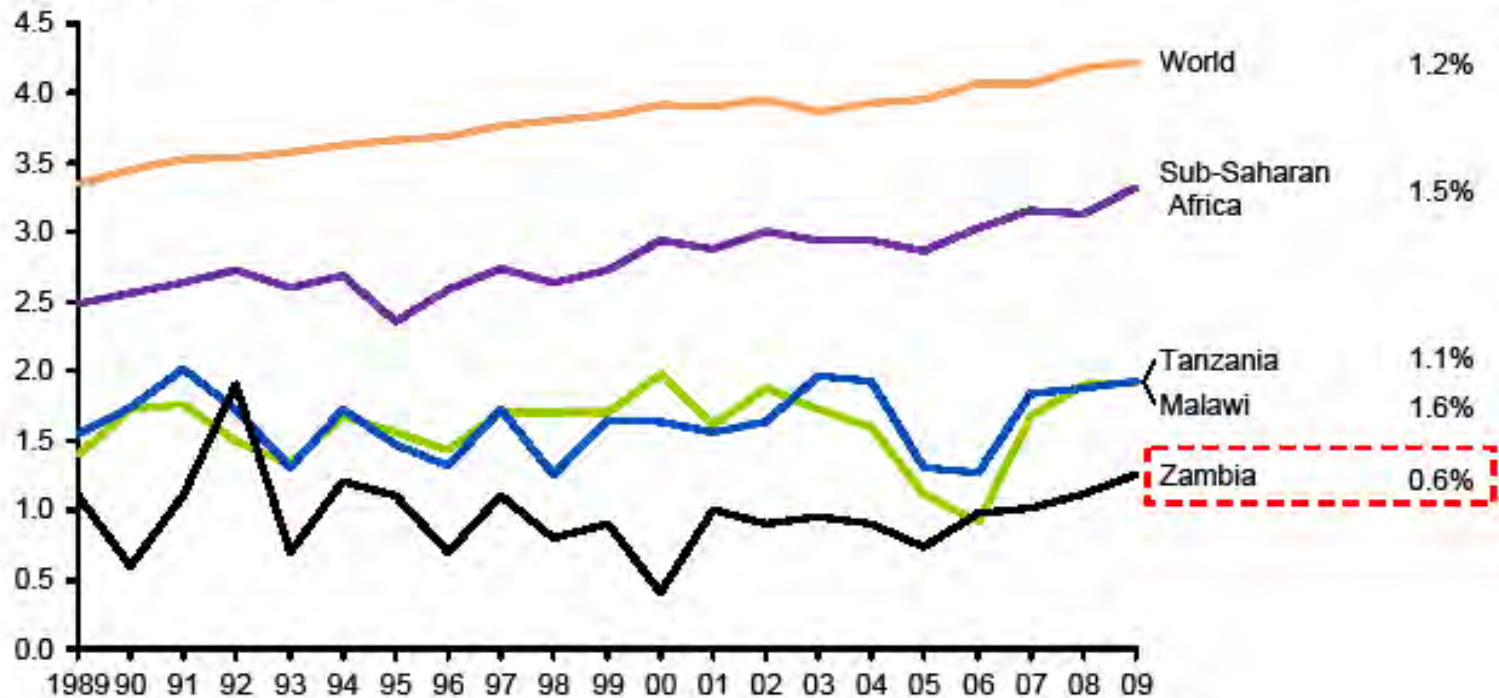
Indexed cereal production in Zambia (1998 – 2008)



Source: MACO, CSO, JICA, FAO

Poor agronomic practices and limited extension services have resulted in historically low productivity

Rice productivity (1989 – 2009)
(MT / HA)



Source: MACO, CSO, USDA

Background-Related Policy



Agricultural Policies

- n Government is implementing the National Agricultural Policy (NAP), National Irrigation Policy (NIP), Sixth National Development Plan (SNDP) and now the Comprehensive African Agriculture Development Programme (CAADP). The rice sub-sector has been realigned to CAADP principles particularly pillar III and IV.
- n Agricultural Market Reforms – From highly regulated and centralized to market oriented.

Vision and Scope of NRDS



Vision

A vibrant rice sector contributing significantly to economic growth by 2030

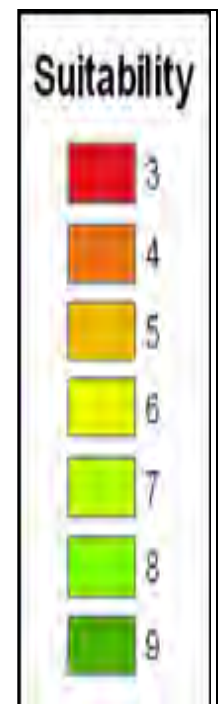
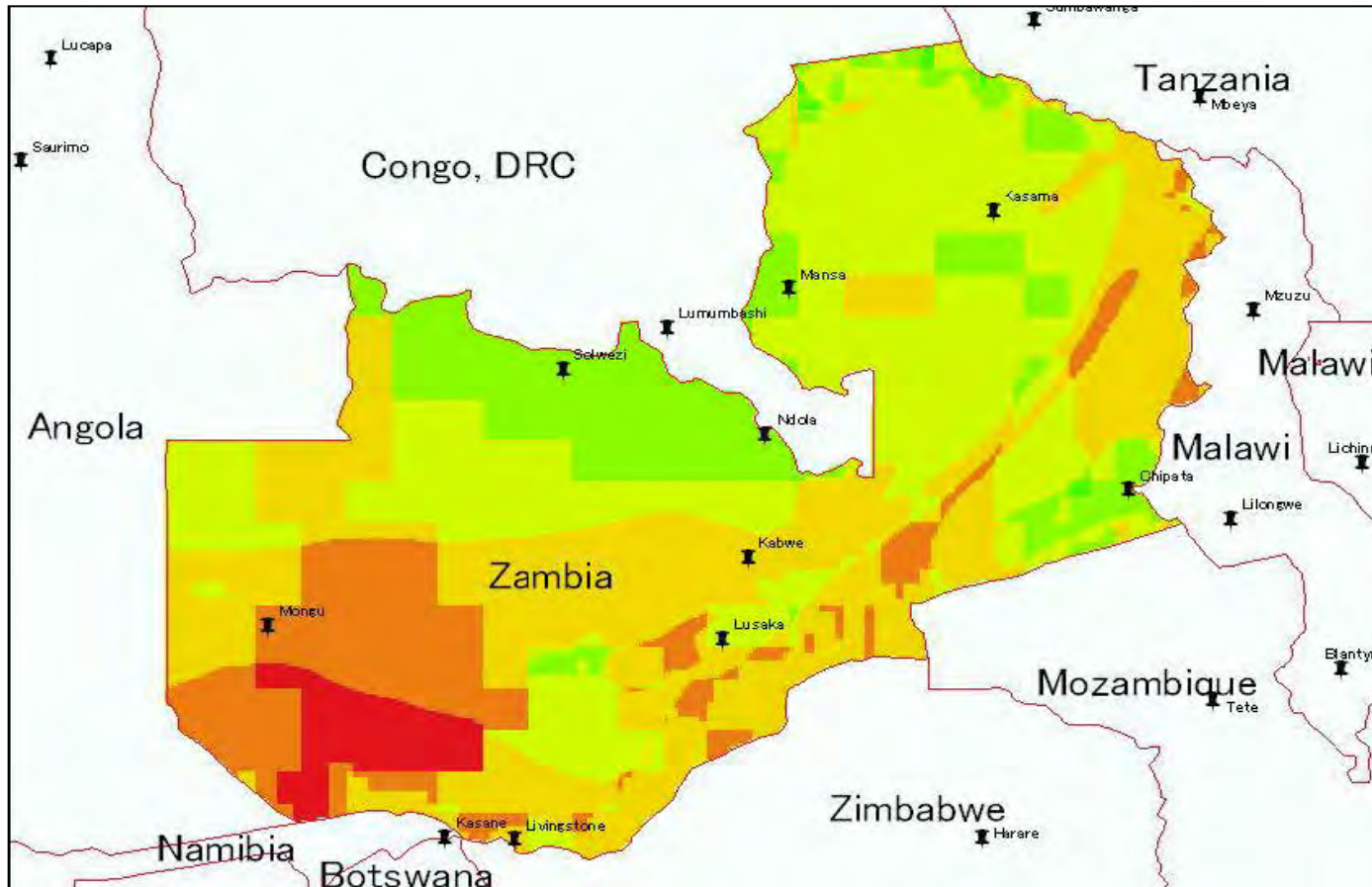
Objective

The overall objective is to double the rice production in Zambia in the next five (5) years

Goal

To accelerate commercialization of the private sector led Zambian rice industry as a key driver for uplifting isolated rural economies by improving the profitability of all enterprises along the value chain through utilisation of locally adapted low cost modern technologies reduce rural poverty and improve household and national food security

Rice Production Map



Zambia Suitability Map for Rice

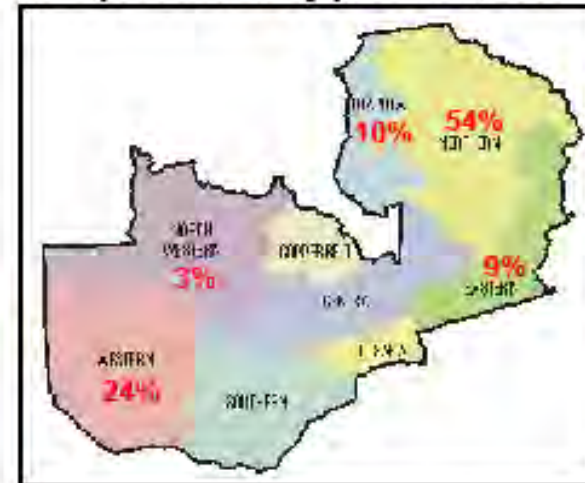
This suitability map for growing rice is created based on the following three factors;
Annual rainfall / Elevation / Soil pH.

In addition, rice is vital for poverty reduction and food security



- Rice is cultivated in the **most rural provinces of Zambia**, where the incidence of poverty is the highest
- **80,000 rice growers** are estimated to be active in Zambia; **nearly all are smallholder farmers**
- Rice production is viable economic activity. It proves to be **profitable** while also providing **downstream employment opportunities** in production, processing, and marketing

Rice production by province, 2008



- Between **30-50%** of rice production is retained for home consumption, ensuring **food security** in areas not suitable for growing maize and other staples
- Over **90,000 HA** are suitable for **paddy rice production**, of which only ~1/3 is currently cultivated. Abundant land for upland rice varieties holds additional untapped potential

Source: CUTS International, JICA

Priority Sub-sector



- n Rain fed lowland flood plains
- n Rain fed upland and valleys
- n Irrigated schemes

Year	Rainfed lowland			Rainfed upland			Irrigated			Total or Average		
	Area (Ha)	Yield (tons)	Prod' (tons)	Area (Ha)	Yield (tons)	Prod' (tons)	Area (Ha)	Yield (tons)	Prod' (tons)	Area (Ha)	Yield (tons)	Prod' (tons)
2008	27.9	1.3	36.9	2.48	1.3	3.28	0.62	1.3	0.82	31	1.3	41
2013	25.2	2.0	50.4	7.2	2.0	14.4	3.6	2.0	7.2	36	2.0	72
2018	21.0	3.0	63.0	10.5	3.0	31.5	10.5	3.0	31.5	42	3.0	126

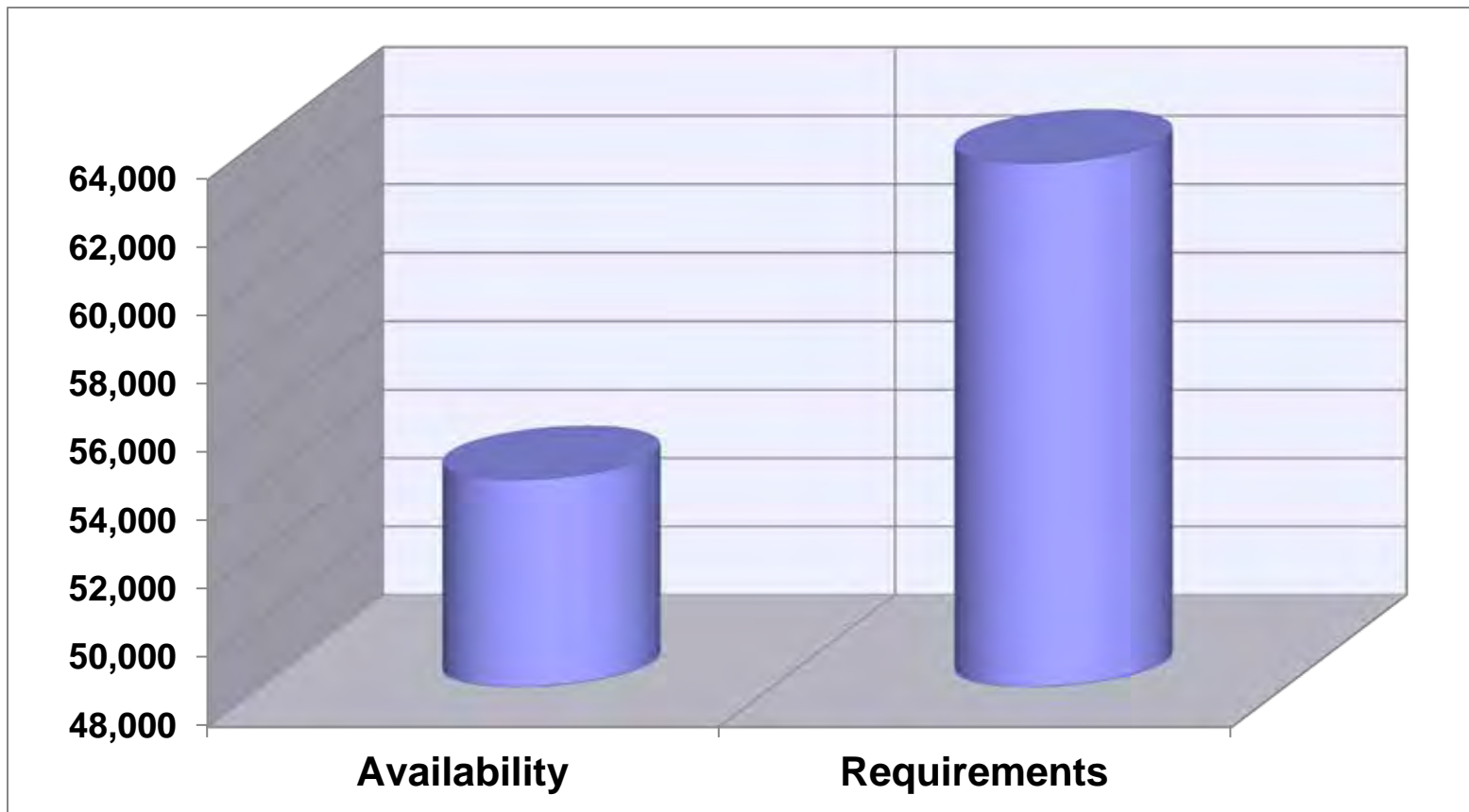
Note: Area (1,000 ha), yield (t/ha) and production 1,000 tons)

Projection of Rice Production

41,000 Tons (2008) ⇒ 126,000 Tons(2018)

Approximately 3 times !

Estimated total availability against total requirements of RICE (metric tons) for 2009/2010 agricultural season. This shows a deficit of nine (9) thousand metric tons

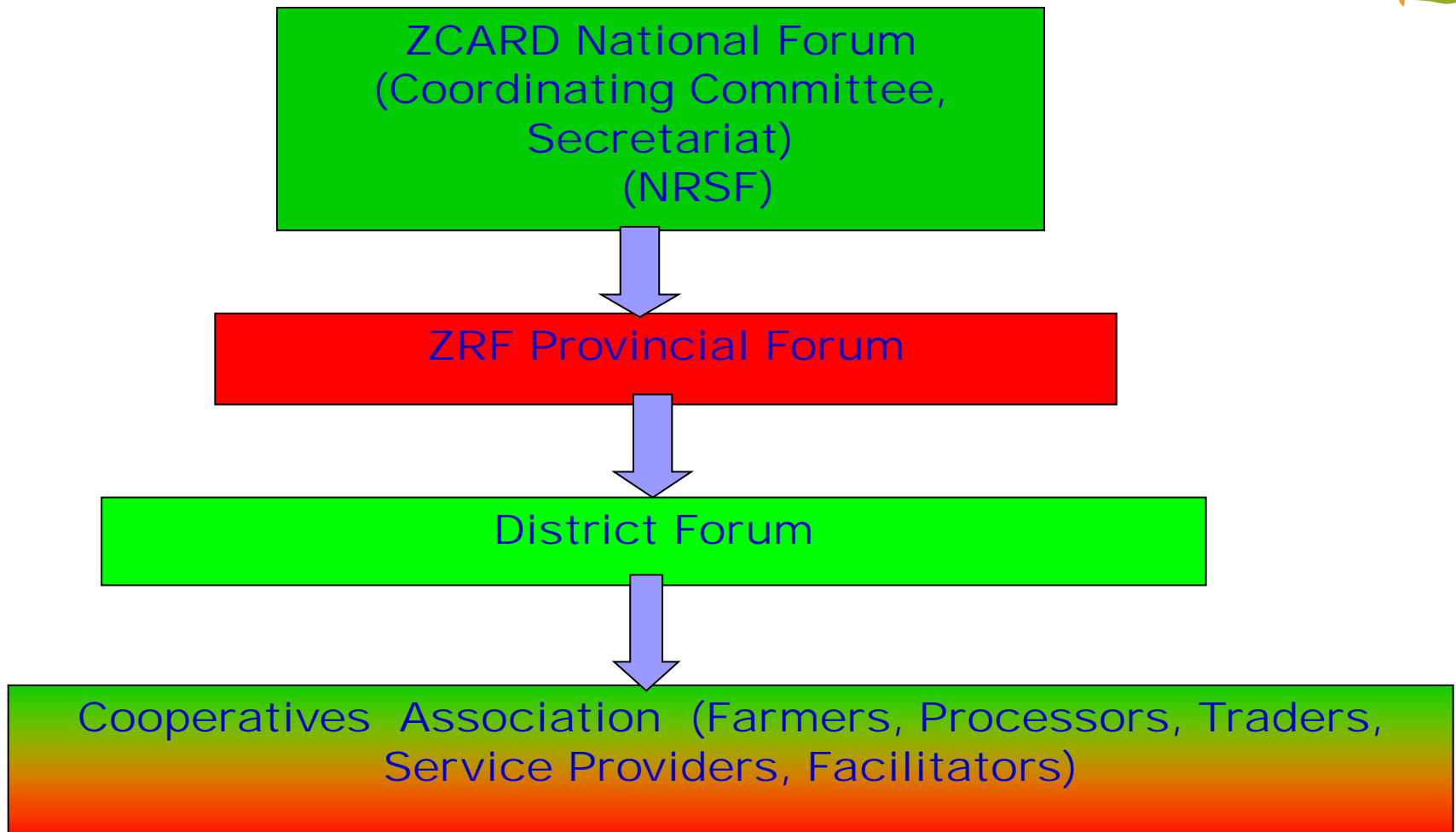


Capacity Development

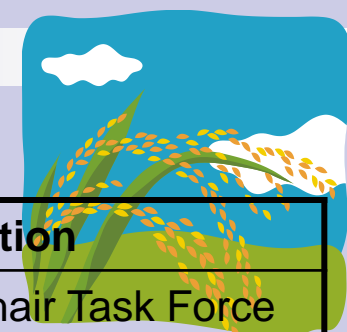


Year	Agricultural Researchers with BSc. MSc. Ph.D			Research Technicians			Extension workers		
	Total	Rice Specialist (full-time)	Rice Specialist (part-time)	Total	Rice Specialists(full-time)	Rice Specialists(part-time)	Total	Rice Specialists(full-time)	Rice Specialists(part-time)
2008	6	3	3	7	2	5	1200	46	6
2013	10	5	5	31	16	15	1580	120	80
2018	15	8	7	45	25	20	1650	400	115

Governance and M &E



List of ZNRDS Taskforce Members



S/N	Name	Job Title	Organisation
1	Alick Daka	Deputy Director	MACO Chair Task Force
2	Moses Mwale	Deputy Director	MACO Research
3	Ella chembe	Deputy Director	ZNFU
4	Mathias Kayemba	Chief Field Crops Officer	MACO Crops
5	Kayoya Masuhwa (Dr)	Chief Agricultural Officer (Tree Crops)	MACO Crops
6	Marble Simwanza	Chief Seed Officer	SCCI (Seeds)
7	Dora Phiri	Chief Cooperatives Officer	MACO (Cooperatives)
8	Michael Isimwaa	Chief Agriculture Statistic and Data A.	MACO (Policy & planning)
9	Kaunda Kapepula	Principal Economist	MACO (Agribusiness)
10	Christopher Kambole	Monitoring and Evaluation Officer	ACF (Farmer forum)
11	Guy Kahonkola	Investment Advisor	ZATAC
12	Shadreck Mwale	Acting Principal Agricultural Officer	MACO Crops

Conclusion



- n This strategy on rice development has been prepared taking into consideration the existing potential and opportunities to enhance rice sub-sector
- n There is need for resource management to encourage sustainable rice development.
- n There is need to facilitate activities related to improving market information, credit, market promotion and distribution in order to increase transparency in trade, improve access to markets and promote greater stability in rice markets

Thank you very much

