







SUMMARY TABLE OF TECHNOLOGIES AND INNOVATIONS DEVELOPED READY FOR COMMERCIALISATION

		INSTITUTION	Africa Rice Center
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		WEB	http://www.africarice.org/ ; smartiv.wordpress.com
Technology /Innovation	Function /Uses	Readiness to Market and potential users	Photos or illustrations
1. RiceAdvice	Android based decision support tool for providing farmers with pre-season field-specific management guidelines for rice production systems in Africa	Farmers, extension workers, private rice sectors, and development agencies having smartphone or tablet with android device	https://www.riceadvice.info/en/ https://play.google.com/store/apps/details?id=com.cocapacity.rice
2. Smart-valleys	Participatory and low-cost development of rice-based systems in inland valleys through improved water management. Farmers design and implement a systems of bunds, drainage axes and, if possible, irrigation canals and perform field levelling.	Ready. The methodology has been developed and validated in Togo and Benin. <i>Smart-valleys</i> training manuals are available.	

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<p>4. Manual weeders for all crops</p>	<p>For weeding of weeds</p>	<p>Service providers Groupings/Association Cooperatives Young women and men</p>	
<p>5. Rice and wheat Reaper</p>	<p>Harvesting (rice, wheat)</p>	<p>Service providers Groupings/Association Cooperatives Young women and men</p>	
<p>6. Multicrop ASI Thresher Small</p>	<p>Threshing and cleaning (rice, cowpeas, sorghum, soya, wheat, maize).</p>	<p>Service providers Groupings/Association Cooperatives Young and women</p>	



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<p>7. Rice Thresher-Cleaner (ASI)</p>	<p>Threshing, cleaning and separating rice</p>	<p>Service providers Groupings/Association Cooperatives Young and women</p>	
<p>8. Rice milling machine</p>	<p>Paddy cleaner, a rice husker and milling, a rice grader and elevators</p>	<p>Service providers Groupings/Association Cooperatives</p>	

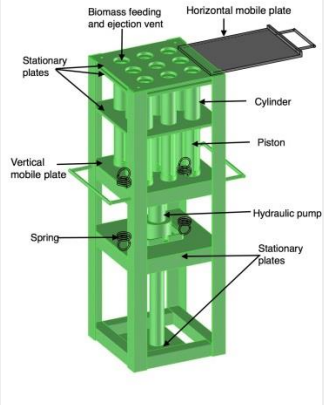


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		<p>INSTITUTION</p>	<p>Africa Rice Center (AfricaRice)</p>
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		WEB	www.africarice.org/www.ricehub.org
Technology /Innovation	Function /Uses	Readiness to Market and potential users	Photos or illustrations
9.GEM Steamers (up to 100 kg per steaming batch)	Paddy steaming during rice parboiling	Ready for market with potential users being rice parboilers or food processors (pasteurization)	
10.GEM Soaking Tanks (up to 750 kg per soaking batch)	Paddy soaking during rice parboiling	Ready for market with potential users being rice parboilers	
11.Improved Rocket Stoves	Energy-efficient wood/briquette stove for parboiling	Ready for market with potential users being rice parboilers or food processors (pasteurization)	
12.Laborsaving devices (chain hoist system and rotatory hoist system)	Reduction of drudgery during parboiling	Ready for market with potential users being rice parboilers	
13. AfricaRice modified Rice husk gasifier stoves	Direct gasification of agricultural residues to produce thermal energy	Ready for market with potential users being rice households, restaurants and small agro-processing companies	
			

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<p>14. AfricaRice-Multi-Piston manual briquetter</p>	<p>Manual briquetting of materials with particle sizes less than 0.8mm</p>	<p>Ready for market with potential users being youths who are interested in taking up briquetting as a business</p>	
<p>15. AfricaRice-TCMS hammer mill</p>	<p>Grinding of cereals for food/feed and agricultural wastes for briquetting or pelleting</p>	<p>Ready for market with potential users being youths who are interested in taking up the business</p>	
<p>16. AfricaRice-TCMS mixer</p>	<p>Mixing of materials for briquetting or pelleting</p>	<p>Ready for market with potential users being youths who are interested in taking up briquetting/pelleting as a business</p>	

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<p>17. AfricaRice-TCMS motorized briquetter/pelleter</p>	<p>Motorized pelleting/briquetting of materials with particle sizes less than 0.8mm</p>	<p>Ready for market with potential users being youths who are interested in taking up briquetting/pelleting as a business</p>	
<p>18. Briquette production technology</p>	<p>Procedures for the production of wood briquettes from rice husk and biochar.</p>	<p>Ready for market with potential users being youths who are interested in taking up briquetting/pelleting as a business</p>	
<p>19. Pellet production technology</p>	<p>Procedures for the production of wood pellets from rice husk.</p>	<p>Ready for market with potential users being youths who are interested in taking up briquetting/pelleting as a business.</p>	