



## Climate Adaptation: Producing More Crops per Drop of Water and with Less Input Knowledge Sharing on System of Rice Intensification (SRI)

Tuesday, February 9, 2010

Sites: Bamako, Mali; Antananarivo, Madagascar; Chennai, India; Washington, DC, USA

*Organizing Partners:*

*World Bank Institute • The World Bank • Global Development Learning Network*

**Introduction:** The World Bank Institute, in collaboration with the World Bank AFTEN, AFTAR and AFTWR are organizing the second knowledge exchange events related to coping with climate change in agricultural water management, in general, and applications of innovative agricultural practices with potential for climate adaptation, in particular. One such practice is the system of rice intensification, known as SRI.

**Background:** SRI is a set of innovative rice farming practices to increase the productivity of land and water, as well as other resources. SRI is based on principles of developing healthy, large and deep root systems, which are better resistant to drought, water logging, wind and other damaging climate effects. SRI requires less irrigation water input. With climate change and increasing stress on water resources, SRI is among potential climate adaptation options in managing agricultural water. Originally developed in Madagascar in the 1980s, SRI use has now spread throughout many countries around the world.



larger, more effective  
root systems



healthier, stronger  
stalks and tillers



greater resistance to drought  
and water shortages

In 2007, Mali farmers started piloting SRI in the Timbuktu region and have promising results, 8.98tons/ha in 2007/2008 season, 9.1tons/ha in 2008/2009 season, with 10% irrigation water saving. Starting with one farmer in one village at the beginning, SRI practice has been spreading in Mali. From 60 SRI farmers last year in the Timbuktu region, to 500 farmers this year in 5 regions, out of 8 regions in the country. The application of SRI has been supported by Africare in a leading role with funding from the Better U Foundation and USAID, followed by the agricultural project IICEM funded by USAID and by the Syngenta Foundation. The Malian government technical service and the national research organization IER have been working along with all the three projects in implementing SRI with farmers. The main benefits that farmers see from these SRI evaluations were higher production (yields), and seed, fertilizer and water saving, the latter being critical for the region. Given the short period of SRI history in Mali, many Malian counterparts, i.e., national departments, development partners, local research institutes, have not realized the remarkable results SRI practice has achieved in Mali, as well as around the world. The event, to be delivered through GDLN (Global Development Learning Network), will link **Mali** with **India** (which has diversified experience in applying SRI on a large scale), **Madagascar** (where SRI was originally developed), to raise the awareness on SRI implementation for Malian participants, and to discuss the value of SRI benefits of food security, water conservation measures, and for climate change adaptation. The English- French simultaneous interpretation will be available during the VC session.

**Schedule:** The VC session is scheduled on February 9th, 2010, Tuesday at 8am-11am, Washington DC time

Locations	Time
Washington DC – WB	8:00 am – 11:00 am
Mali (Bamako WBCO)	1:00 pm – 4:00 pm
Madagascar (Antananarivo WBCO)	4:00 pm – 7:00 pm
India (Chennai WBCO)	6:30pm – 9:30pm

**Agenda:**

**Bamako Site:** Before the videoconference connection starts, a 3 hour local workshop will be held in the World Bank Country Office, facilitated by Dr. Erika Styger.

Time (Mali)	Duration	Content (Draft, as of Jan. 6, 2010)	Speaker
<b>Prior to VC connection: 9:30a-11:30p (with 15 min tea break)</b>	120'	- Welcome participants - Event Overview – background, objective, GDLN event contents - WBI SRI Toolkit Part A “Overview of SRI – A New Way of Rice Cultivation” - SRI application and progress in Mali: How it is spreading? (40 min) & discussions - Experience from the Philippines – WBI SRI Toolkit, Part B: “Step-by-step how to implement SRI application, based on Philippines’ experience” - From pilots to scaling up: next steps?	Taufiq, Yeyande  Erika Styger (WBI toolkit) Erika Styger  WBI toolkit
<b>11:30-12:00</b>	30'	Collect questions and concerned issues in preparation for the afternoon VC (hard copy ppt presentations from India and Madagascar can be distributed at this stage).	Erika Styger,
<b>12:00-13:00</b>	60'	<i>Working Lunch</i>	
<b>13:00 pm</b>		<b>VC connection to India, Madagascar, DC</b>	<b>WB IT staff</b>
<b>13:00-13:15</b>	15'	Welcome, Background, Objectives, Agenda  Introduce sites, resource persons and participants	Mei Xie, Taufiq Bennouna David George, Erika Styger
<b>13:15-13:30</b>	15'	Mali’s application of SRI – brief introduction on achievements, lessons, & issues	Erika Styger
<b>13:30-13:50</b>	20'	Experience from India - Tamil Nadu and SRI Scaling Up	Vibhu Nayar
<b>13:50-14:15</b>	25'	Q&A: relating to question group 1-2	Mali
<b>14:15-14:30</b>	15'	<i>Tea/Coffee break</i>	
<b>14:30-14:50</b>	20'	Experience from Madagascar - SRI Application	Joeli Barison
<b>14:50-15:15</b>	25'	Q&A: relating to question group 3-4	Mali
<b>15:15-15:30</b>	15'	SRI Knowledge Dissemination and Impact: Results from Recent SRI Pilot in Kenya	Mei Xie, Ravichandran Kannan
<b>15:30-15:50</b>	20'	Issues of capacity building and scaling Up (Open discussion)	All sites
<b>15:50-16:00</b>	10'	Closing: Lessons and Next Steps	David George, Taufiq

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