Scaling sustainable farming practices across the Eastern Gangetic Plains



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Australian Government

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Sustainable and Resilient Farming Systems Intensification (SRFSI) in the Eastern Gangetic Plains











... for more productive, profitable and resilient farming systems





















































What is SRFSI?

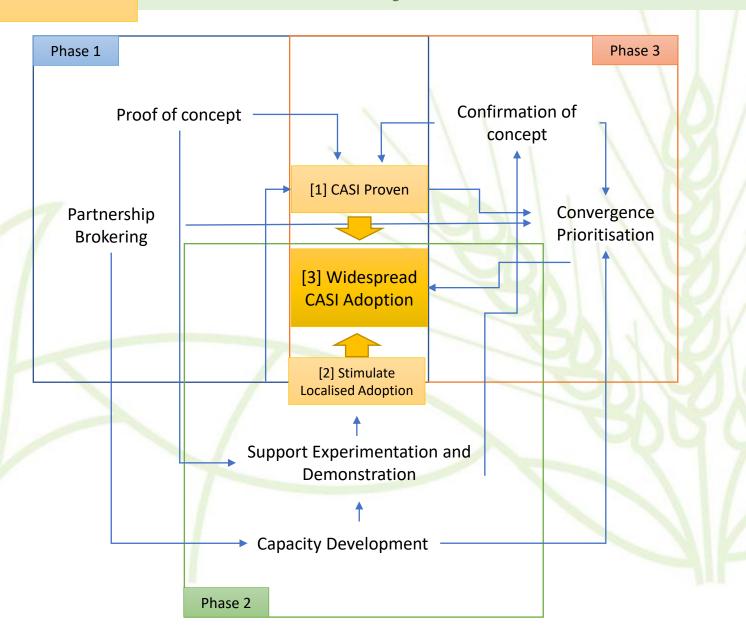
A logo-based explanation





Implementation

Project Narrative







Implementation

Project Impact Pathway



Prove CASI Works



Build Capacity



Policy Integration



Support

Adoption

Impact









Proof

CASI is proven relevant for the EGP



26 Published peer Reviewed Journal Articles

across 20 different Journals

A further 10 Currently Under review

7 nearing submission

Further 30 planned from already collected data

meaning more than 50 peer reviewed publications are likely to come out of SRFSI in total

Capacity Development

Fact – Huge Volume of People Trained





Rank ¢	Stadium	¢	Capacity \$	City \$
1	Melbourne Cricket Ground		100,024 ^[1]	Melbourne
2	Stadium Australia		83,500	Sydney
3	Optus Stadium		60,000	Perth
4	Marvel Stadium		56,347	Melbourne
5	Adelaide Oval		53,583	Adelaide
6	Suncorp Stadium		52,500	Brisbane







Policy Convergence

Fact – Government Buy In / Sanctioning

Extend climate smart agriculture programme to all districts: **Bihar CM**

Madan Kumar / TNN / Updated: May 5, 2020, 23:23 IST













Love in lockdown: ITC Engage reveals its findings





PATNA: Chief minister Nitish Kumar on Tuesday asked the agriculture department officials to extend the state government's climate smart agriculture programme (CMAP) to all the 38 districts. The CMAP was launched last pilot basis as part of the 'Jal-Jivan-Hariyali Abhiyan'.

While reviewing different schemes of agriculture, coopera protection departments through videoconferencing, Nitis give special emphasis on CMAP expansion in the current



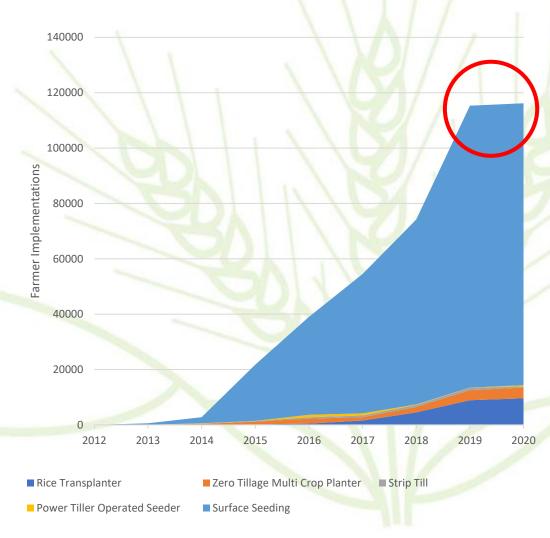




Adoption

120,000 Farmers more productive, profitable, sustainable









Australian

Impact

What this means for farmers and environment



>2,000

trucks of extra Yield generated by farmers (20 million kilograms)



>56

Metres high of (Australian) \$100 bills in **Profit** (AUD\$40 Million)



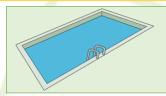
>55

Lifetimes reallocated to other activities via Labour savings (1.4 million labour days)



>141 million

Meals worth of additional **Calories** (85 billion Calories)



>6,500

Olympic swimming pools of **Water** saved (16.5 million litres)



>373,000

Trees taking **Emissions** out of the air (9 million CO₂ equivalents)



>637,798

Litres of petrol equivalents in **Energy** saved (77 Million Mega Joules)



Govt. of Bihar initiated Climate resilient

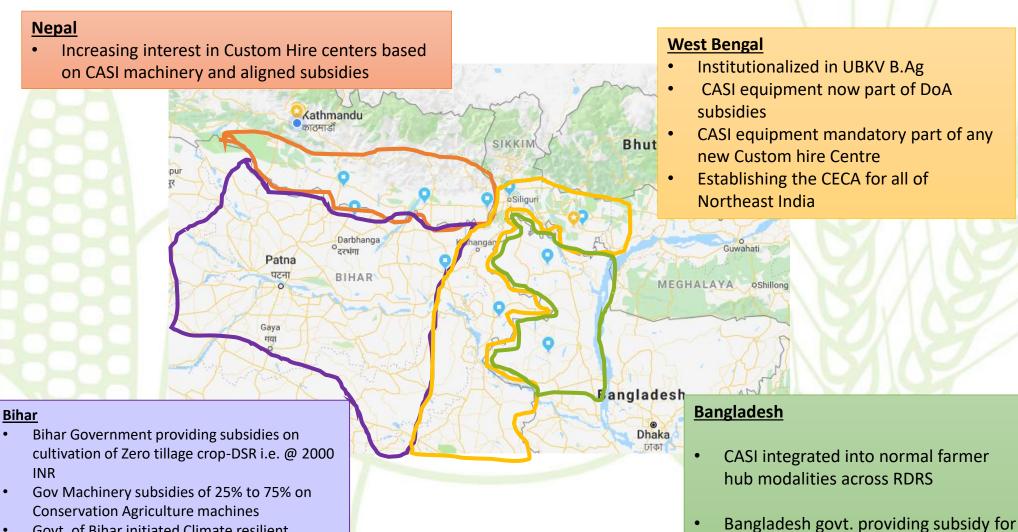
Bihar and each district having targets of

tillage

agriculture programme(CRAP) in 9 district of

covering about 250 acres of area under zero

Scaling Ecosystem paying off! Tens of millions being influenced



machineries up to 50% and arranged

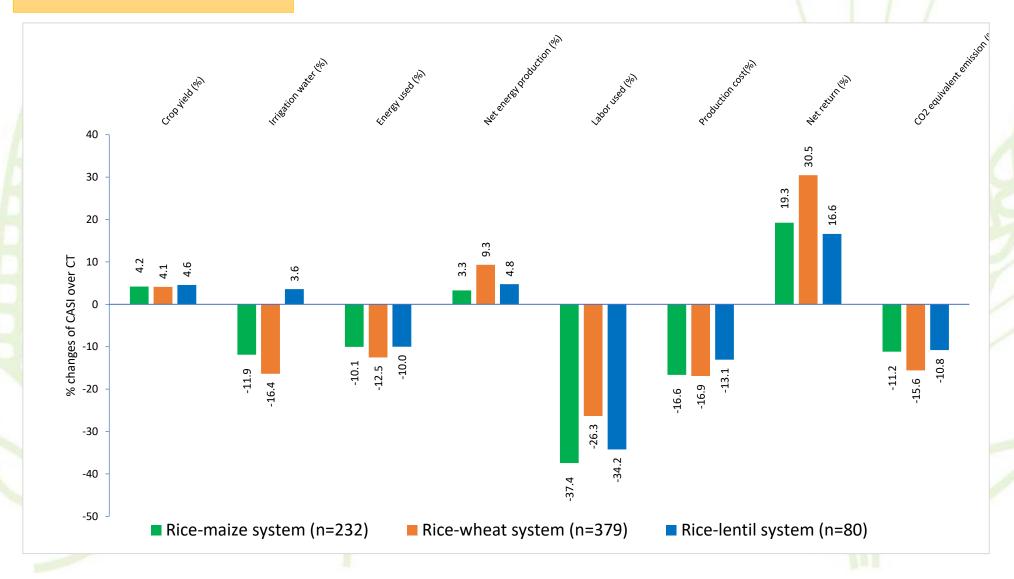
Agril. Machineries Fair as a

promotional activity.



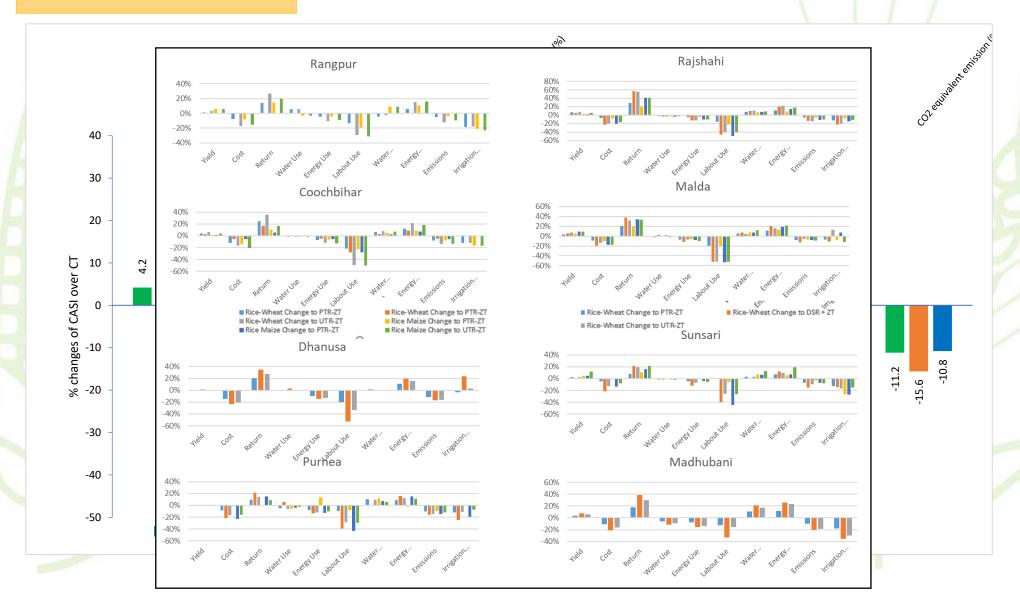


Bio Physical – It works

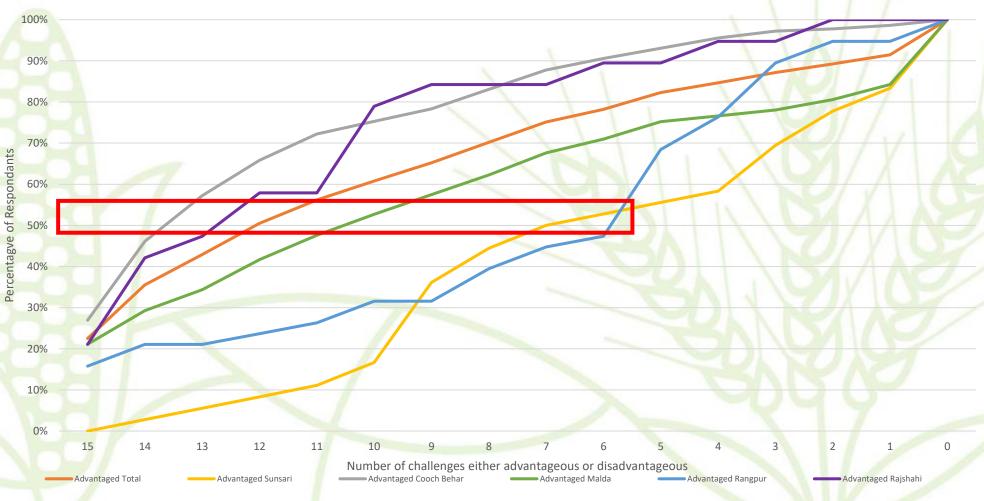




Bio Physical – It works



Livelihoods – It Works

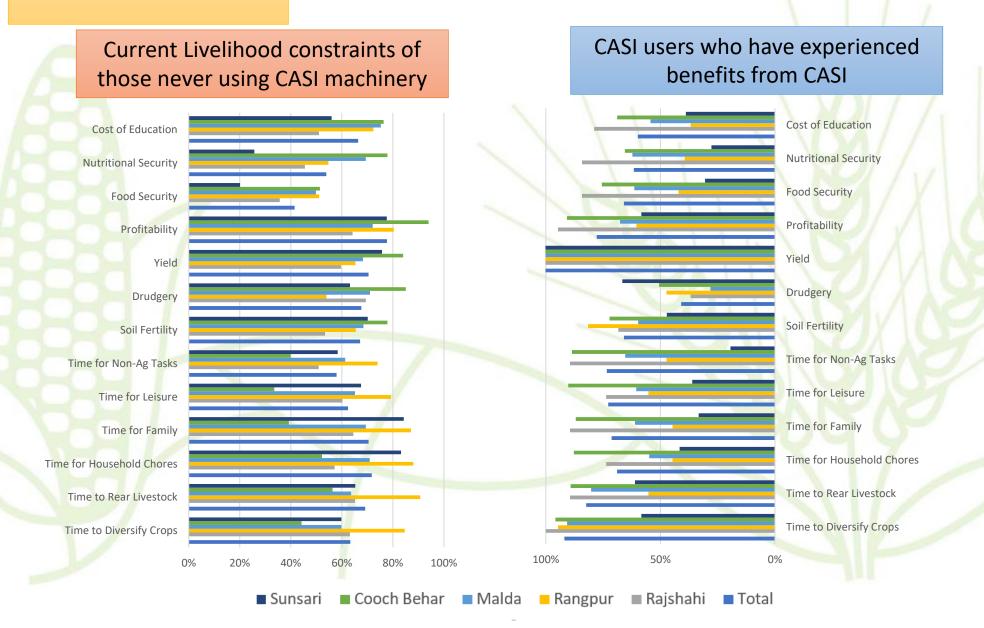




Australian

Key Results

CASI solves current and future livelihood constraints



CASI in the EGP is (partly) inclusive



Women

Youth





Connected Communities



Types of farmers



Poverty trap







Australian

Key results

Scaling in the EGP is hard, but achievable

Research Gap Filling Developing CASI infrastructure

Developing formal scaling plans with actors

Targeted Impact Evaluation

'Scaling' means

Developing scaling tools

Accessible Training Evaluating training mechanisms

Evaluating Policy convergence mechanisms

Developing legacy materials

Materials

Academic Publications (!!)

Extension manuals and materials

Additional Visual Syllabus Chapters

Web Repository (srfsi.cimmyt.org)

Creating longevity for CASI in the EGP

Photo Book (online first, then maybe printed)

Capacity Development Infrastructure

ADOPT South Asia Version (CSIRO)

Tools

Plans

CASI Centre of Excellence in West Bengal (*UBKV/WB DoA*)

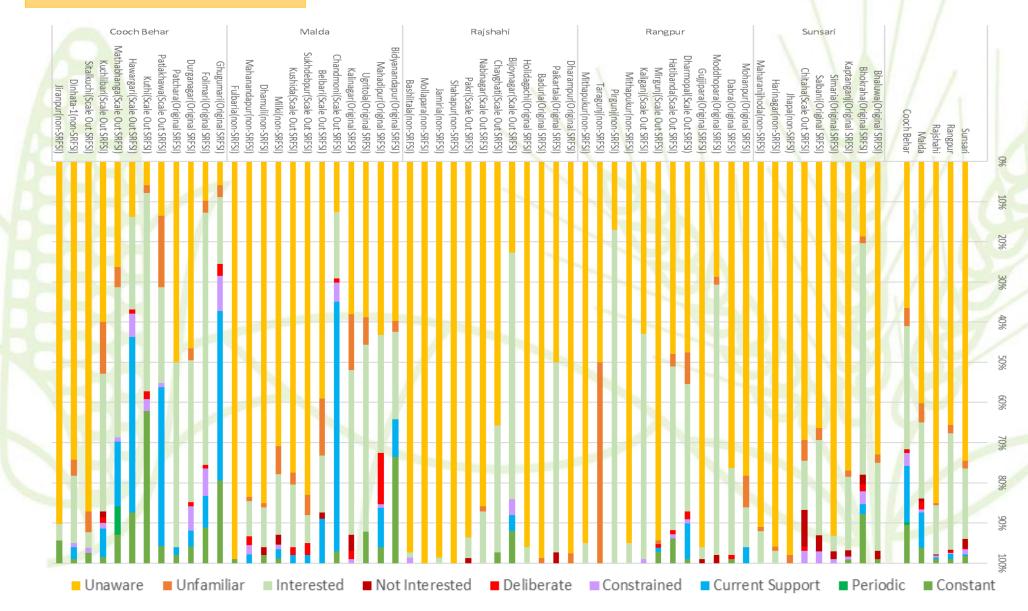
Business investment Syllabus (*iDE*)

Partner Road-mapping for CASI without SRFSI Capacity Development at Machinery training and testing Centre (NARC)

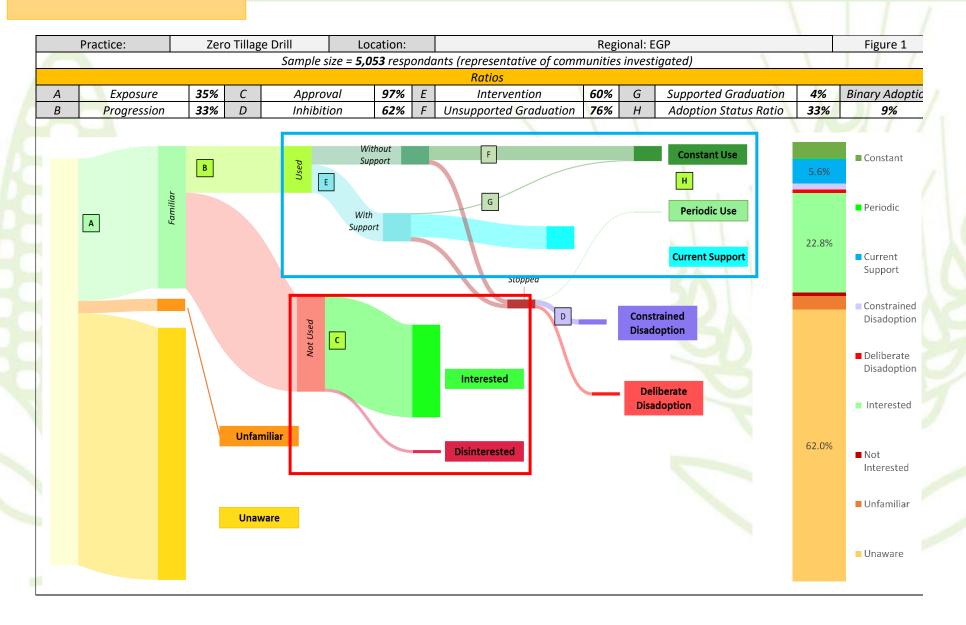
Australian

Key Results

Adoption processes are complex



But we are learning about those complex processes

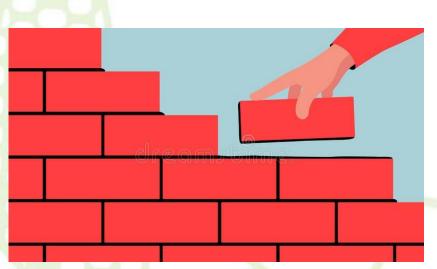


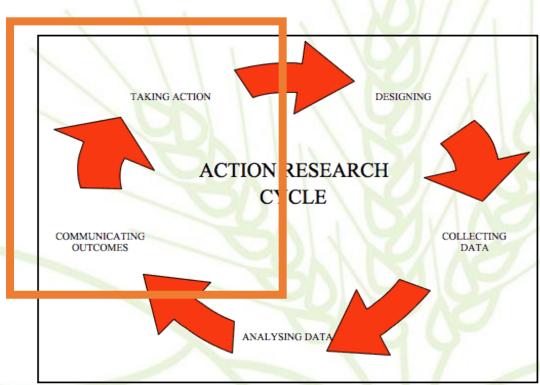




Nest Steps

More to do







Next Steps

The journey continues



