

Cambodia ALiSEA Network

**Online Thematic Session to Share Experience on Challenges of
Flood plains ‘irrigated perimeter**

Challenges in application of Conservation Agriculture in Steung Chinit irrigation Scheme

**“A case of Mr. Oum Im, Farmer of Khvaek
Village, Kampong Thmar Commune”**

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Brief information on S. Chinit scheme

- ❑ Finished rehabilitation: 2008
- ❑ 1 Reservoir, 1 primary canal, 5 secondary canal, 58 bloc
- ❑ Target village irrigated: 25 villages (3 communes)
- ❑ Surfaces irrigated: 2,802 ha
- ❑ # of rice field: 9,005
- ❑ Farmers with own land in the irrigation scheme: 2,878 households



Evolution of the irrigation scheme

- ❑ 2008: Tried to apply rice in dry season since → not success
- ❑ 2012: Farmers from Prey Veng province introduced advance technique on dry season rice production in the irrigation scheme → success
- ❑ From 2012: available of inputs needed and technical advice in the irrigation scheme
- ❑ 2017: Farmers in the irrigation scheme apply dry season rice production from 2 to 3 cycle per year...
- ❑ 2012-2018: Pilot of CA in the irrigation scheme



A case of Mr. Oum Im, farmer of Khvaek village

- ❑ Applied CA introduced by CIRAD for 2 years
- ❑ Satisfaction with soil fertility improvement (yield of his rice field is the same as farmers applying fertilizer of 100 Kg/ha at that time)
- ❑ Drop off CA application when farmers having rice field nearby start to do 2-3 cycle of rice production per year.



Challenges encountered

- ❑ The rice field are full of water nearly full year round
- ❑ Difficulty to find advance farmers volunteer to apply CA in the irrigation scheme
- ❑ Material/equipment for CA are available only with support from project.
- ❑ Farmers are proud and compete each others in applying full “green revolution” → Difficult to come back to CA...





Thank you!

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