Rice-paddy Biodiversity Enhancement Dacade (RiceBED) Project

Rice Paddy WG of
Ramsar Network Japan
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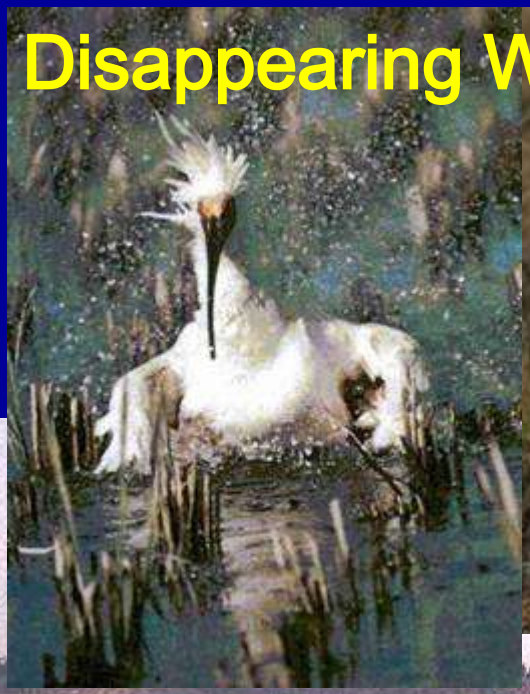
Contents

- Background and activities towards RiceBED (Rice-paddy Biodiversity Enhancement Decade) Project
- RiceBED Project connected to UN Decade of Biodiversity and Aichi Biodiversity Targets.
- Restration of traditional use of rice paddies in Japan

1500年前の日本の田んぼ

群馬県高崎市上滝榎町北遺跡

Disappearing Wildlives Depending on Wet Rice Paddies



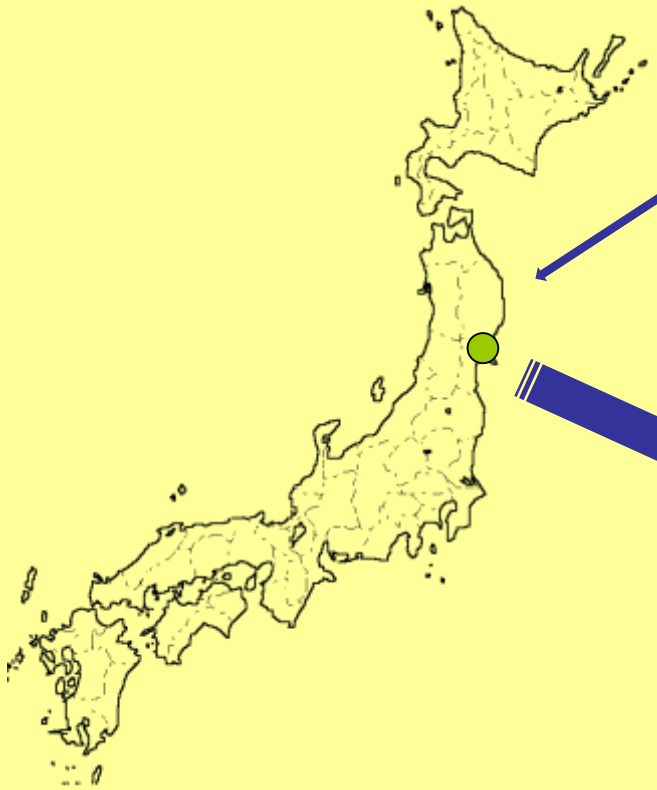
チュウサギ *Egretta intermedia*
希少種

ニホンアカガエル *Rana japonica*
準絶滅危惧

メダカ *Oryzias latipes* 絶滅危惧Ⅱ種

Make Use of Rice Paddy Function

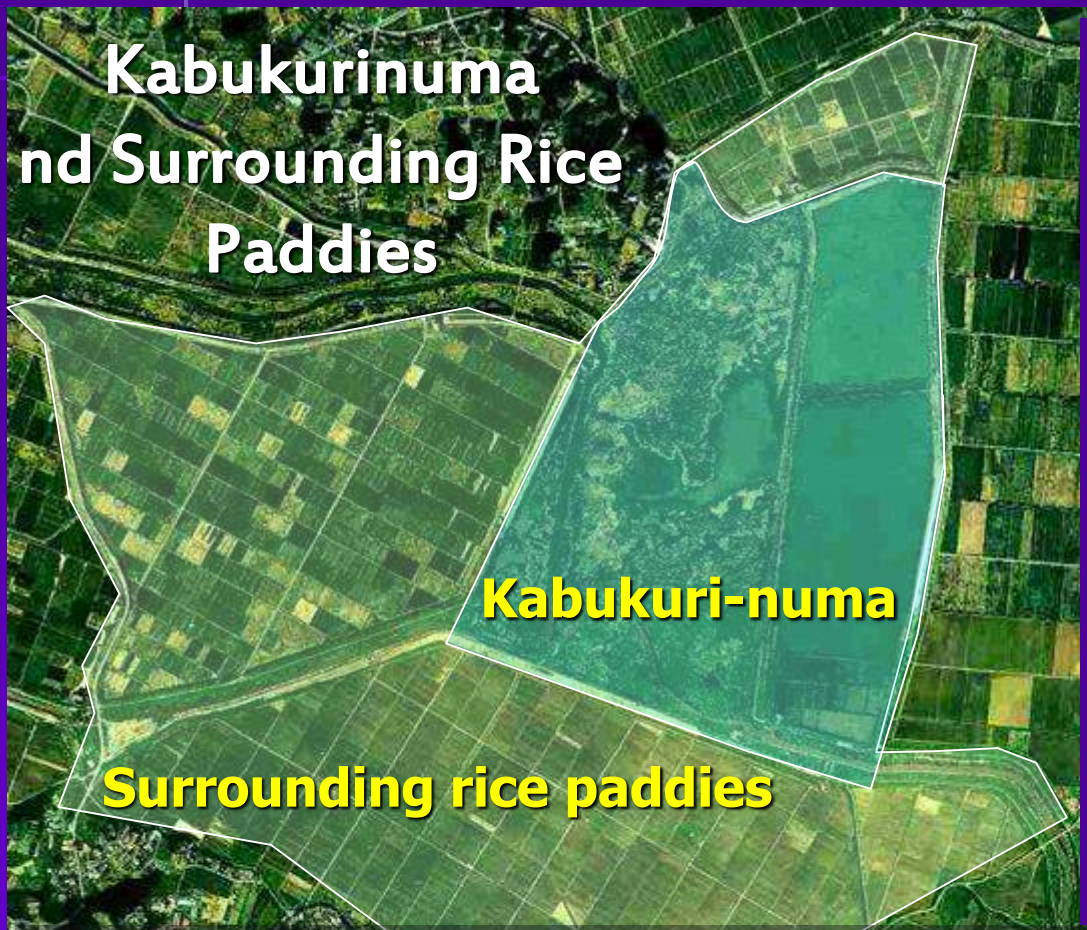
- Function as wetland
- Power of its water and wildlives
- Actions based on traditional knowledge.
- Low technology with high sense
- “Old” means sustainable, NOT out dated



Kabukuri-numa Marsh

Kabukuri-numa and Surrounding Rice Paddies

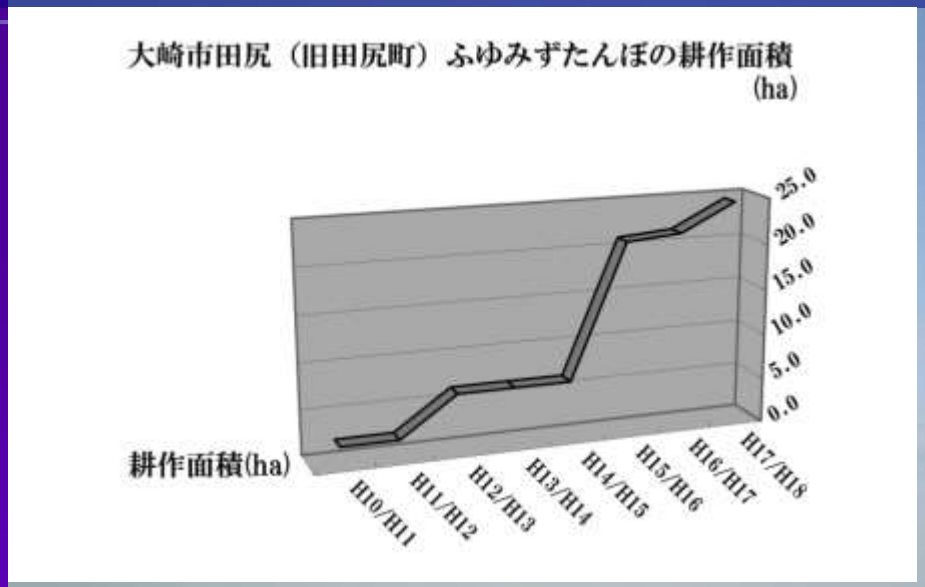
New Ramsar Site in November 2005



- First Ramsar Site Involving Large Area of Rice Paddy, typical Asian Wetland, under Agreement of Most Stakeholders.
- New Idea on Ramsar as a Useful Tool for Agro-Environmental Rice Farming.

Hit an Idea for
Rice paddy Resolution in Ramsar COP10

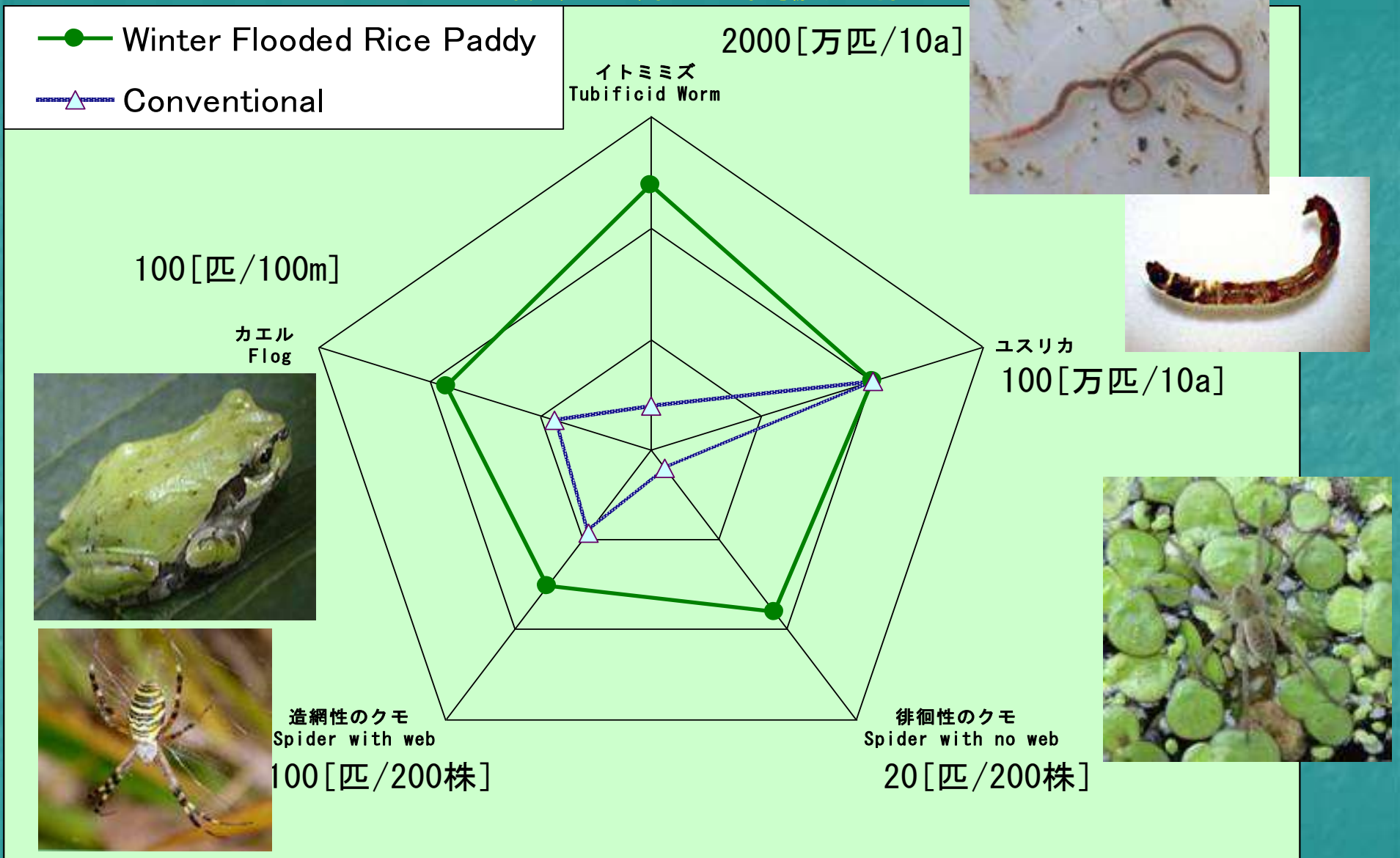
Farmers resurrect Winter Flooded Rice Paddy around Kabukuri-numa since 1998/99 winter (Old technology)



Bewick's Swans in Winter-flooded Rice Paddy

Winter Flooded Rice Paddy with High Biodiversity

ふゆみずたんぼにするといろいろな生き物がよみがえる



ふゆみずたんぼ -不耕起栽培と慣行農法の水田の生物相の比較

Rice Paddy

with huge number of Spiders

Esashi, Iwate Pref. (managed by S.Ito, 2003.7.31）

Winter Flooded Rice Paddy
Benefits both Wildlife & Agriculture

〔Wildlife in rice paddy〕＝Habitat Recovery

- Rich biodiversity･･･ from microorganisms to waterbirds
- Spread flyways of Geese throughout Japan by the network of WFRP.

〔Agriculture〕＝New method of Farming
＝WFRP Method= IBM (Integrated Biodiveresity Management)

- Weeds Control Effect (No or less herbicide)
- Pests Control Effect (No or less pesticide)
- Waterfowl Droppings as Fertilizer (Less fertilizer)
- Decompose rice straw
- Model of IBM

〔 Co-existent way for Agriculture and Nature ; Agro-Biodiversity〕

- Sustainable
- Less Impact against Environment

Winter-flooded Rice Farming in Ramsar Site Produces Higher Value-added Rice

- Twelve farm families produce higher value-added **Winter-flooded Paddy Rice** brand in rice paddies in Ramsar Site since 2004.
- Environmental profit for wildlife and economical profit for wildlife friendly farmers.
- Tajiri Town is positive to adopt Agri-environmental policy activity and supported the challenge by its own policy of direct benefits from improved environment.
- First step for Abundant Waterbirds and Profitable Agriculture
- **Idea for Rice paddy Resolution X.31**, Ramsar COP10

Fuyumizutambo-Mai

"Winter Water Paddy Rice"

WIldlives in Rice Paddy as Resources

5668 species

Identified in rice paddy by Civil Research

1)Agricultural Resources for Sustainable Agriculture

2）Local Food Resources to be used sustainablly

3）Bio Resources creating rich landscape

NOT Weeding BUT Local Food

Monochoria vaginalis

Very week against harbicide paddy

Grows in only organic paddy.

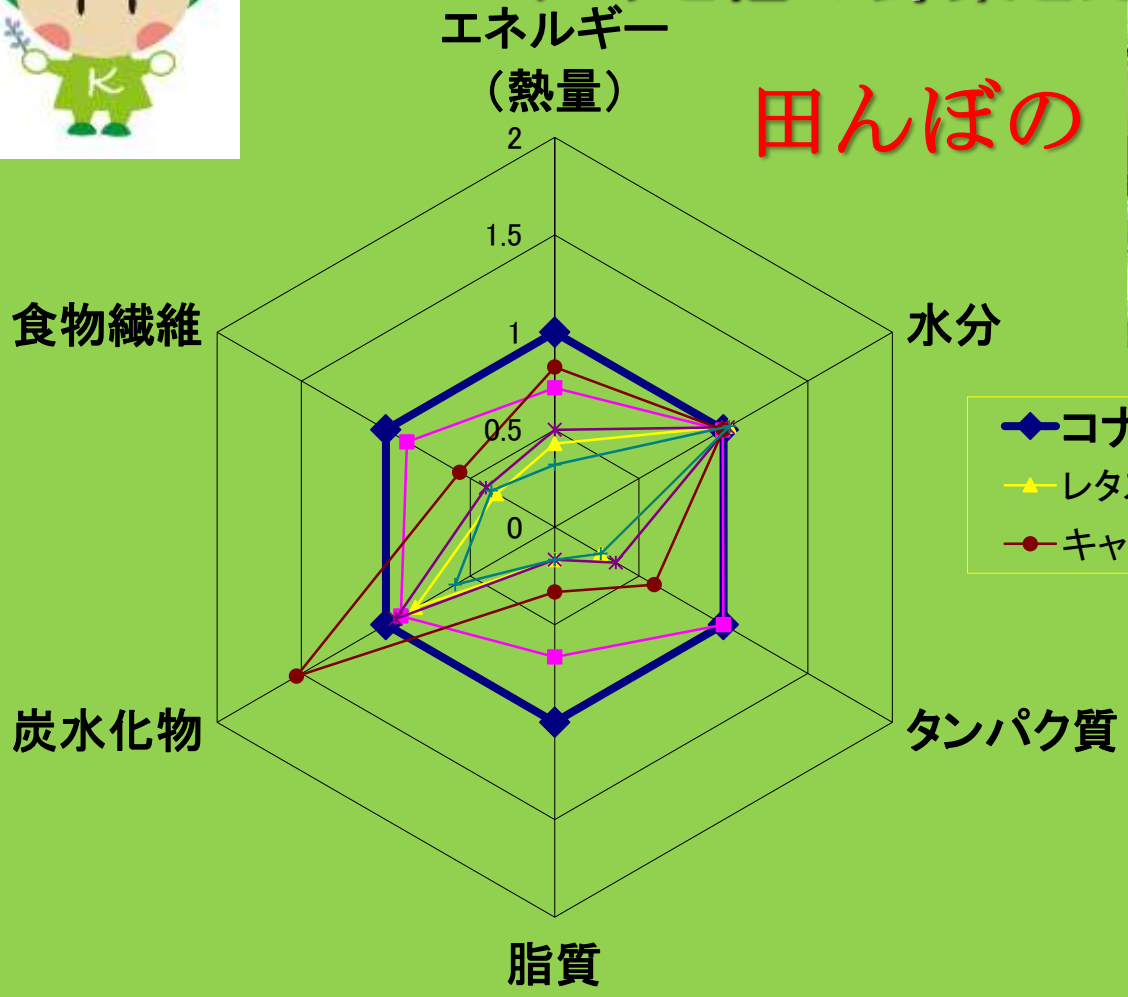
Enemy against organic farmers

Rich in Nutrition

雑草コナギの栄養価は？

コナギと他の野菜と比較

田んぼの「スーパーほうれん草」



・コナギの値を「1」とし、一般的な野菜と比較
・コナギの栄養分析（本吉響高校,2006）:
・コナギデータの分析：財団法人食品分析開発センターSUNATEC (2006/8/22)
・その他のデータ:：「日本食品成分表2010」から引用

もはやコナギを雑草とは言わせない！
栄養価が高い美味しい「野菜」＝コナギ！！

Harvesting *Monochoria vaginalis* in Organic Rice Paddy

NOT Weeding BUT Harvesting

First Harvest *Monochoria* Gathering

(2014.07.12, 蕪栗沼･ふゆみずたんぼ)

コナギを食べる （その1）
イタリア・南仏風、コナギのフルコース

2014.08.27.　気仙沼市大谷幼稚園（第2回）

大潟村で誕生した、コナギ新メニュー

「田んぼの生物多様性向上10年プロジェクト」

Rice-paddy Biodiversity Enhancement Decade

RiceBED Project

国連生物多様性の10年日本委員会
認定連携事業

愛知目標の達成をめざす、
にじゅうまるプロジェクトにも参加

NGO Initiative for UN Decade of Biodiversity

UN Decade of Biodiversity(2011-2020)

RiceBED Project

Rice-paddy Biodiversity Enhancement Decade Project

Rice Paddy Res.
(Ramsar＋CBD)

Aichi Biodiversity Target,
CBD COP10；
Tgt#;1,3, 4, 7, 8, 9, 11, 14, 17, 18

Country level ⇄ Local level ⇄ Community level

RiceBED Project of〔 A 〕

RiceBED Project of〔 B 〕

RiceBED Project of〔 C 〕

RiceBED Project of〔 D 〕

Ask people of various fields for joining inUNDB

Umbrella for supporting long term activities of biodiversity enhancement of various fields.

RiceBED Project
Rice-paddy Biodiversity Enhancement Decade

- **Launched by Ramsar Network Japan(NGO).**
- **Ten -Year project connected to UNDB**
- **Local based project to concretize activities based on Rice Resolution and Aichi Biodiversity Targets.**
- **Umbrella for supporting various movements to make bottom-up activities on rice paddy biodiversity.**
- **Main streaming Bio diversity in rice paddy for the goal in 2020.**

What's *Rice-paddy Biodiversity Enhansement decade ?*

Rice Paddy Target
（Aich Biodiversity Target,CBD COP10 ）

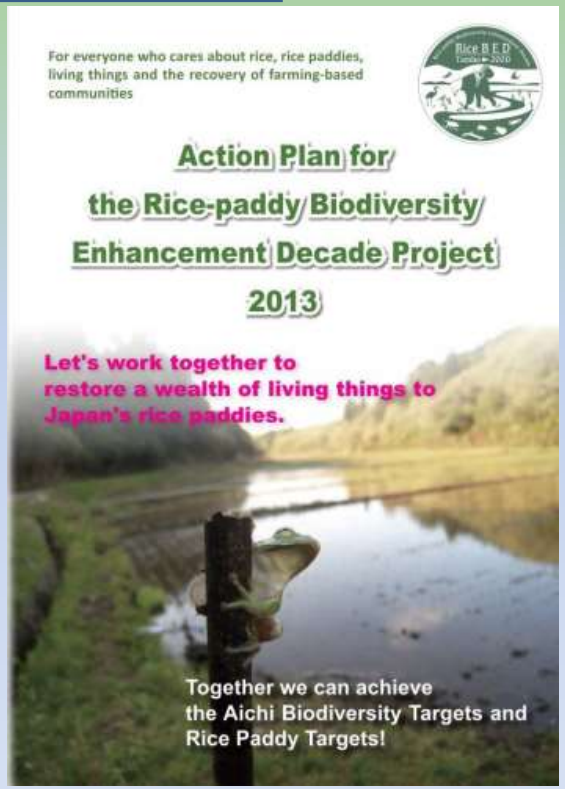
Action Plan

Itemized Activities **Based on the Aichi Biodiversity Targets** , CBD COP10

Good Practice

Suppor for Local Exchange Gatherings

Join/ resistration



RiceBED Project, as an umbrella for Activities to Enhance Biodiversity in Rice Paddy, supports for Mainstreaming Biodiversity in Rice paddies. 諸活動の実施と継続・関係者との交流・目標達成・田んぼの主流化

Rice Paddy Target linked with Aichi Biodiversity Target

List of Rice Paddy Targets

Rice Paddy Target #	Content	Aichi Target #
1	Promote communication, education and public awareness about rice paddy biodiversity.	1
2	Introduce rice paddy biodiversity values into all levels of national and local government planning.	2
3	Remove or revise policies and subsidies that harm protection of rice paddy biodiversity.	3
4	Increase and broaden policies and subsidies that work to enhance rice paddy biodiversity.	3
5	Promote activities that enhance rice paddy biodiversity by stakeholders at all levels.	4
6	Reduce to nearly zero the speed of destruction of rice paddies that contribute to biodiversity protection, and prevent rice paddy fragmentation and biodiversity degradation.	5
7	Sustainably manage areas where agriculture is being pursued in a manner that enhances rice paddy biodiversity.	7
8	Prevent the loss of rice paddy biodiversity resulting from inappropriate use of agricultural chemicals and artificial fertilizers.	8
9	Prevent impacts of alien invasive species on rice paddy biodiversity.	9
10	Prevent genetic hybridization of wild flora and fauna that utilize rice paddies.	9
11	Integrate rice paddies that contribute to biodiversity conservation into protected areas.	11
12	Prevent the decline or extinction of endangered species inhabiting rice paddies, and restore those that are in decline.	12
13	Utilize rice paddies in such a way that healthy rice paddy ecosystems contribute to human health, livelihood and welfare.	14
14	Restore at least 15% of degraded rice paddy ecosystems.	15
15	On the local government level, draw up or revise existing local biodiversity strategies, or revise local basic environment plans, to include policy that will bring about the implementation of rice paddy biodiversity enhancement measures.	17
16	Monitor the progress of national and local-level biodiversity strategies and action plans that have integrated Aichi Biodiversity Targets in order to ensure their implementation.	17
17	Improve knowledge about and ways of confirming the present status and losses of rice paddy biodiversity and apply these nationally.	19
18	Secure funds and human resources for carrying out policies that enhance rice paddy biodiversity.	20

This project is closely linking with
"Japan Committee for UNDB" and "Double Twenty Campaign"

Follow-up to the Rice Paddy Resolution
(Ramsar Res.X.31 & CBD/DEC/X/34_paras.20-21)
- Implementation Framework and RiceBED Project Case Studies-
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Japan Committee for UNDB
RiceBED project has been endorsed and recommended by the United Nations Decade on Biodiversity (UNDB-J)

Double 20 Campaign
The Double20 Campaign is RiceBED project's parent Campaign. Both remain in communication.

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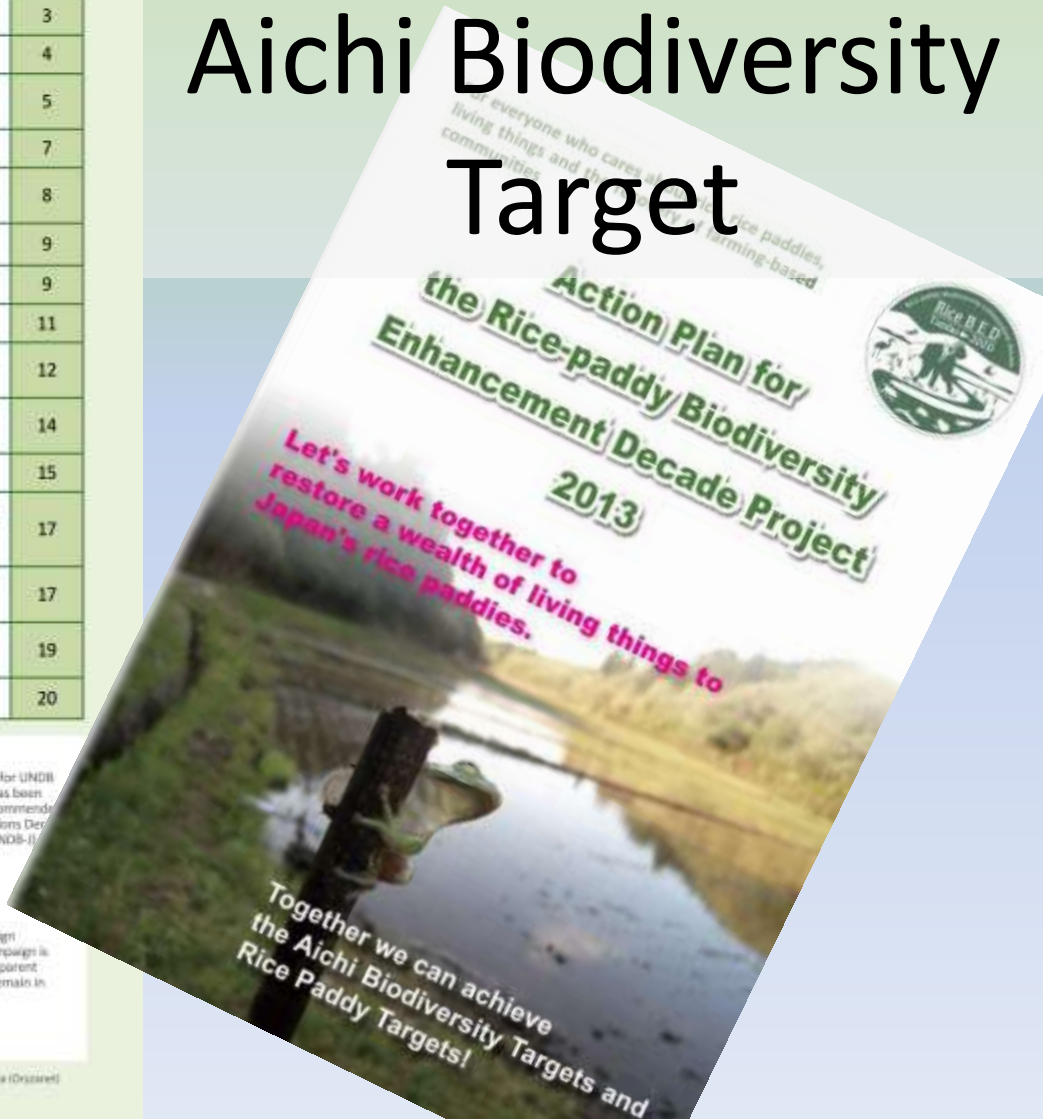
Designed by Akio Furuya (Orizaret)



Rice-paddy Biodiversity Enhancement Decade Project

Muchas Gracias

Join us in RiceBED Project from local to global level to cover Asia-Africa-Neotropics regions

http://www.ramnet-j.org/tambo10/