

A Challenge of Realizing Nature Positive and Branding Agricultural Products in Osaki Kôdo, Japan

Osaki Region Committee for the
Promotion of Globally Important
Agricultural Heritage Systems

大崎 耕土
世界農業遺産



**OSAKI
KOUDO**

GLOBALLY IMPORTANT
AGRICULTURAL
HERITAGE SYSTEMS

Yasushi ITO

Mayor of Osaki City

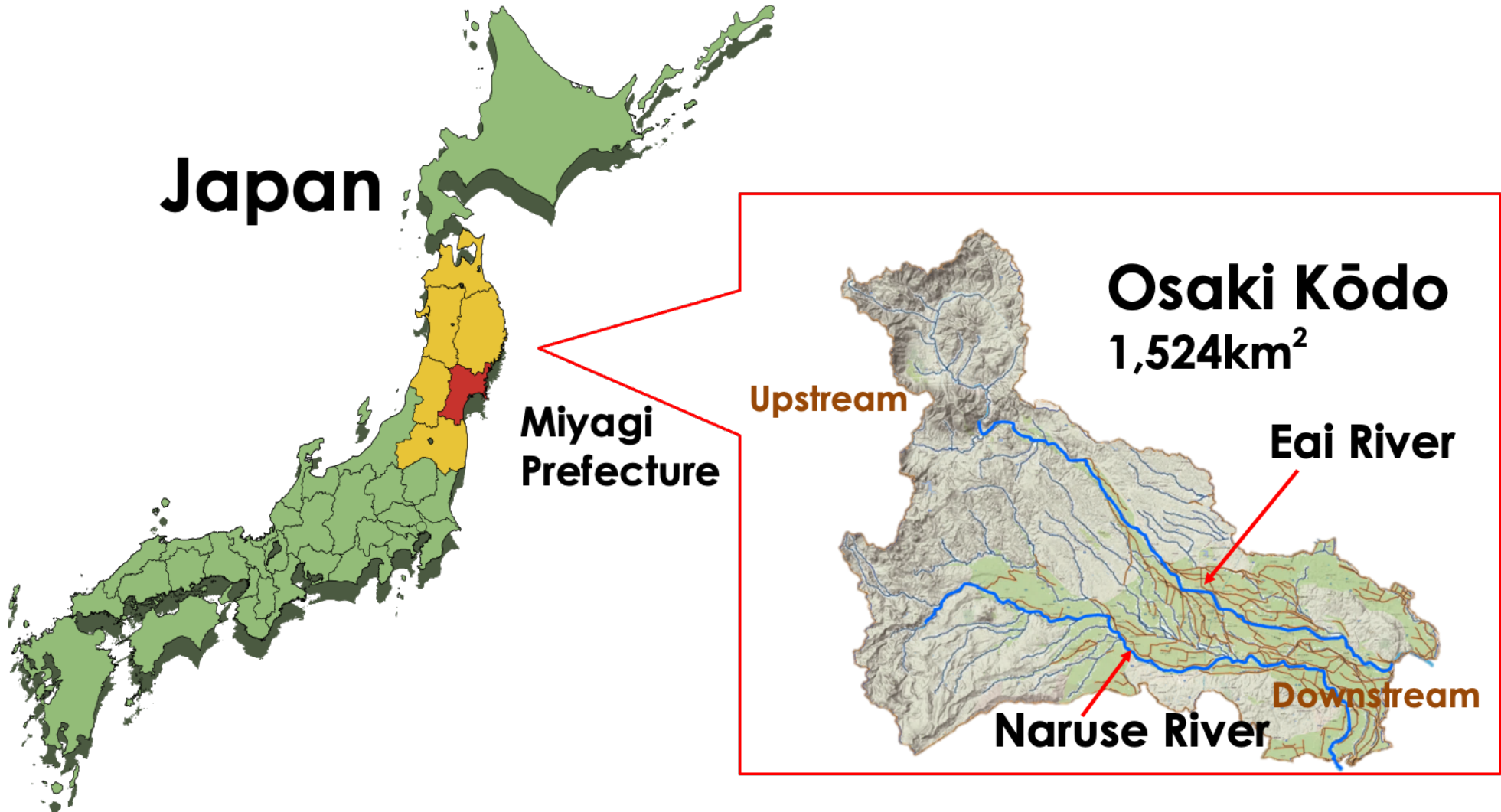
大崎耕土
世界農業遺産



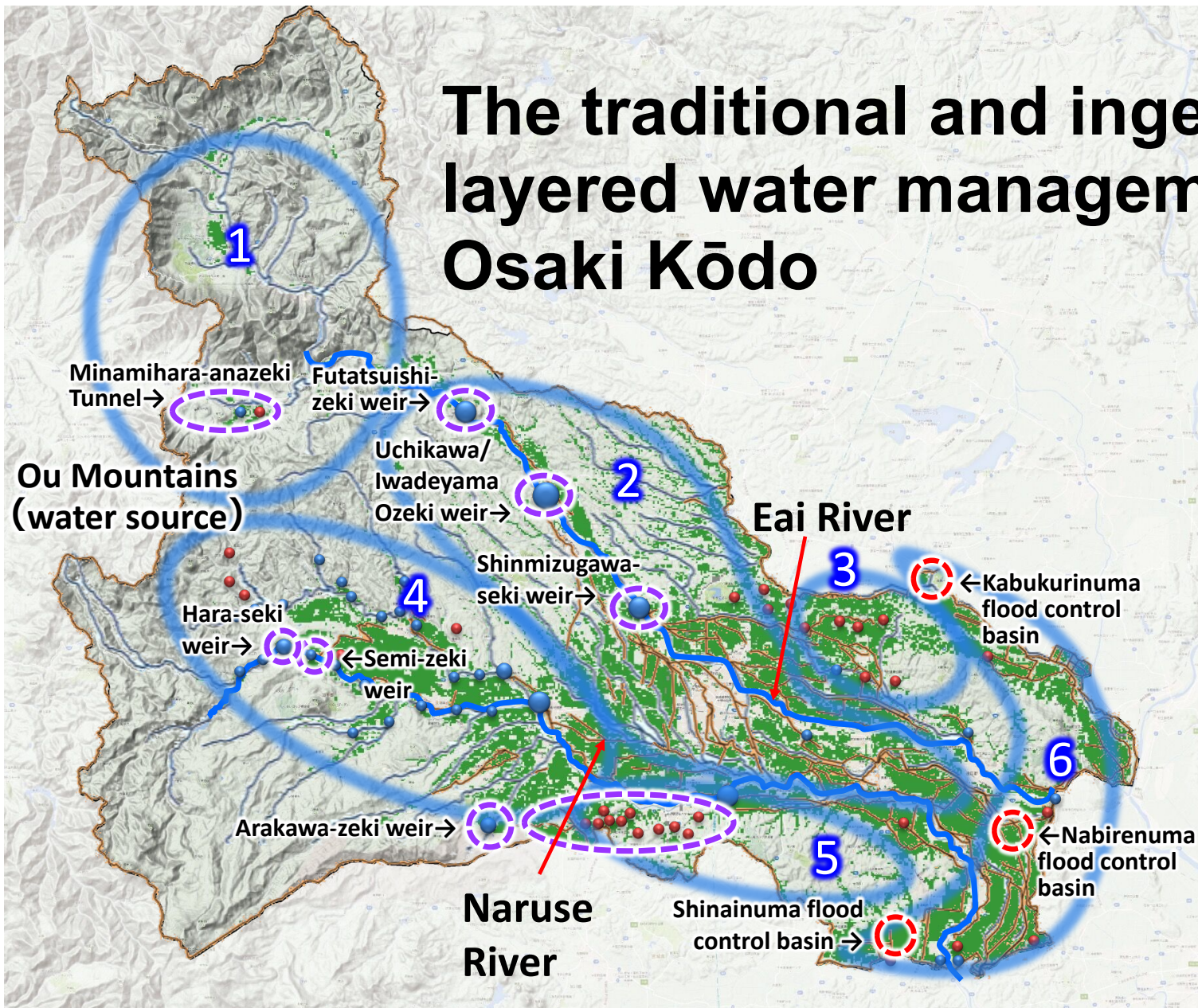
**OSAKI
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The position of Osaki Kōdo



The traditional and ingenious, multi-layered water management system of Osaki Kōdo



Maintenance of waterways

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Food culture fostered in Osaki Kōdo

Rice



Wheat · Soybeans



Heirloom vegetables



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Osaki Kōdo Brand Certification System

~ communicating the value of GIAHS Osaki Kōdo through the distribution and purchase of agricultural products and contributing to the sustainability of its activities ~

Mandatory elements

Basic elements that must be fulfilled for certification of agricultural products (varies depending on the crops or products in question)

- Produced within the region
- Maintain already established brands and brand standards
- Maintenance of already established brands and brand standards
- Compliance with relevant laws and regulations
- Reduction of environmental impact (consideration for biodiversity)
- Monitoring of living organisms (adopted for rice)

Linked
as a
single
system



Optional elements (GIAHS perspective)

Select and implement at least one initiative from the perspective of the five requirements for GIAHS in order to share and preserve its value.



Osaki Kōdo Brand Certification System

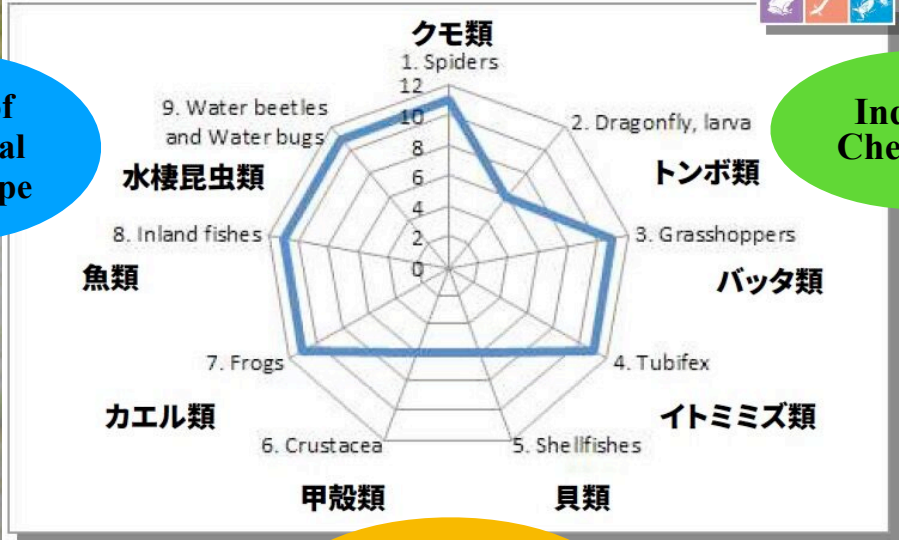
Workshop on paddy monitoring for living creatures (for rice certification)



Index of Historical Landscape



Index of Chemicals



Index of Quality soil

Osaki Kōdo Brand Certification System

The logo can be used by applying after fulfilling the requirements set for each certified product category.



Certification logo



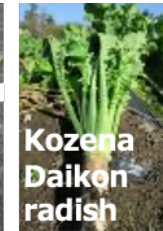
Rice varieties created in Osaki Kōdo
(Sasanishiki, Sasumusubi,
Hitomebore)



Iwadeyama
Frozen Tofu
(GI registered)



Onikou
bina
green
leaf



Kozena
Daikon
radish



Matsuyama
japanese
parsley (Seri)



Kamiibano yam



Takagi
burdock

Heirloom vegetables



Sake

Rare and precious rice "Sasamusubi"

~A direct descendant of Japanese traditional rice "Sasanishiki"~



Branded rice package



Sake



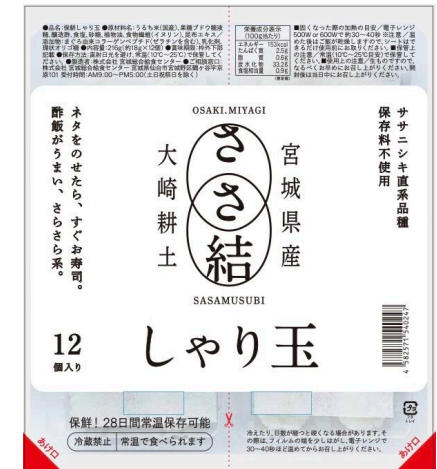
Packed rice



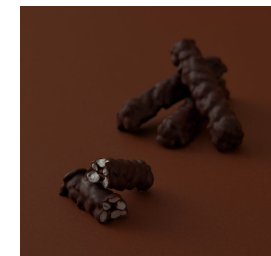
Puffed rice senbei



Puffed rice chocolate



Processed Rice for Sushi
New product
"Sasamusubi Shari Dama"



Naruko Rice Project

CSA (Community Supported Agriculture)



Rice harvesting social event



Staffs making Yukimusubi rice balls at the restaurant "Musubiya".



"Yukimusubi" is sold by pre-order system at a re-producible price.

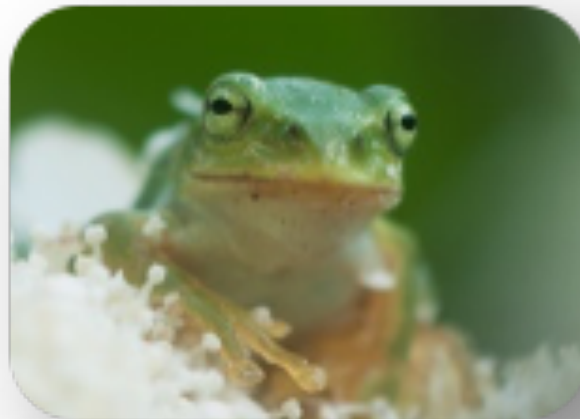
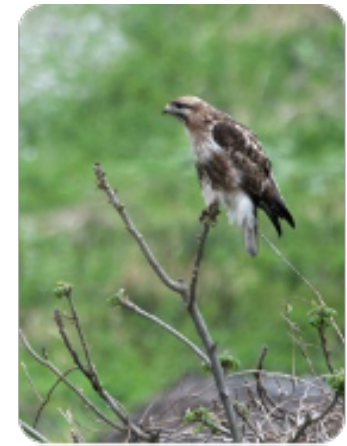
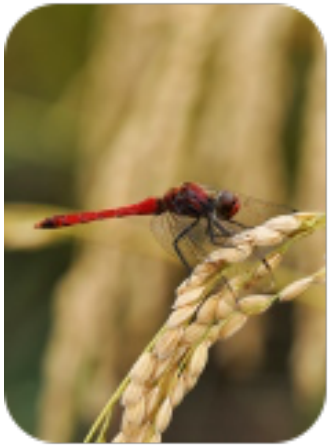


The rice ball set served at Musubiya, revived through crowdfunding after the Great East Japan Earthquake.

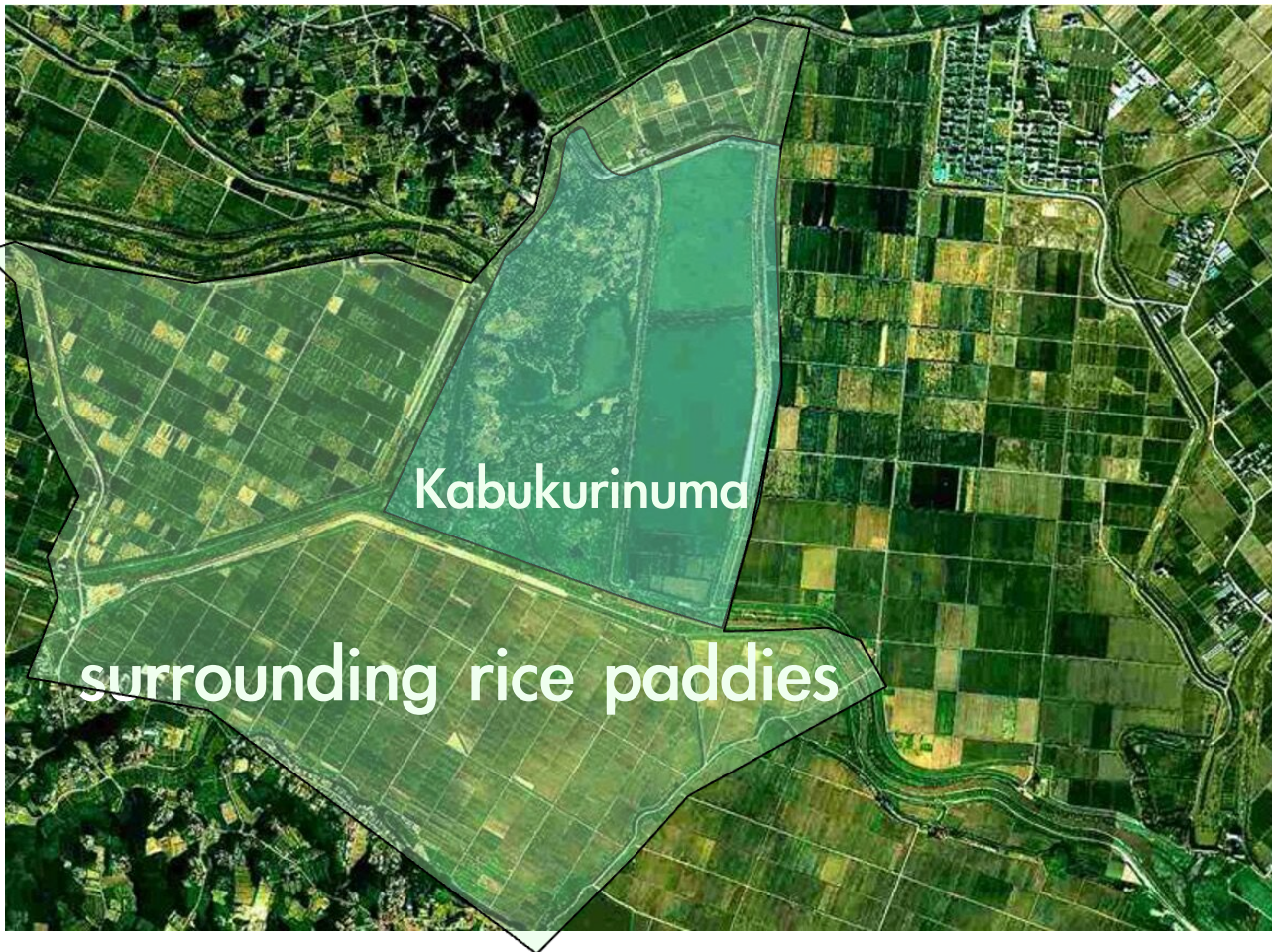


Feature article in the New Year's Day issue of the Japan Agricultural Newspaper "Protecting Agriculture in Mountainous Areas by Buying and Supporting Rice" "The large price difference compared to regular rice is the price for peace of mind."

Sustainable actions to protect Biodiversity and achieve Nature Positive



【For Biodiversity】 The swamp “Kabukurinuma” and surrounding rice paddies of Ramsar Site



Based on the regional agreement, not only the swamp “Kabukurinuma” but also the surrounding rice paddies were registered as a Ramsar wetland for the first time.

The registration was based on the new idea that the Ramsar Convention can be a useful tool for agriculture that takes advantage of the environment.

What kind of efforts are being made here?

Winter-flooded Rice Paddy Project “Fuyumizutambo”



Migratory birds take off from the swamp at sunrise.
More than 100,000 birds visit the swamp every year.



In winter, the rice paddies around the swamp are flooded to disperse nests of migratory birds.

Winter-flooded Rice Paddy Project“Fuyumizutambo”

~Agriculture living in harmony with migratory birds~



- By flooding the paddies in winter and not using pesticides or chemical fertilizers, a variety of creatures such as frogs and tubificidae worms inhabit the paddies in spring and summer, and the melty layer created by the earthworms makes it difficult for grass to grow. And the farm is also certified organic.
- Local residents conduct surveys of living creatures in rice paddies to deepen their understanding of biodiversity, and also conduct ecotourism to observe migratory birds.

This is truly an agricultural practice that lives in harmony with migratory birds.

Winter-flooded Rice Paddy Project “Fuyumizutambo” ~Agriculture living in harmony with migratory birds~



Sustainable rice and sake was born from the symbiotic agriculture with migratory birds.

【For Biodiversity】 Reservoir around Shinainuma area



The discovery of the rare fresh water fish “Shinaimotsugo,” which had been thought to be extinct, started activities to protect the environment of the reservoir.

Home of the fish “Shinaimotsugo”



The "Sinaimotsugo," a rare and endangered freshwater fish



Extermination of black bass and American crayfish in a reservoir to protect the "Sinaimotsugo".

Shinaimotsugo Certified Rice



NPO certifies rice produced in rice paddies that use water from clean reservoirs inhabited by the Shinaimotsugo.



The certified rice is sold with the Shinaimotsugo mark.

Ministry of the Environment certified as

“Nationally Certified Sustainably Managed Natural Sites”

“Reservoirs around Shinainuma”

To international data base “OECM”

(第三種郵便物認可)

大崎・旧品井沼周辺ため池群



環境省の「自然共生サイト」に大崎市鹿島台の「旧品井沼周辺ため池群」が認定された。20年以上にわたり外来種を防除し、生き物の再生に取り組む地元NPO法人「シナイモツゴ郷の会」は、認定を機に企業とも連携した継続的な環境保全に力を入れる。計184カ所ある同サイトで、ため池の認定は初めて。

外来種防ぎ多様性守る

環境省認定
自然共生サイト
地元NPO 企業と連携に意欲

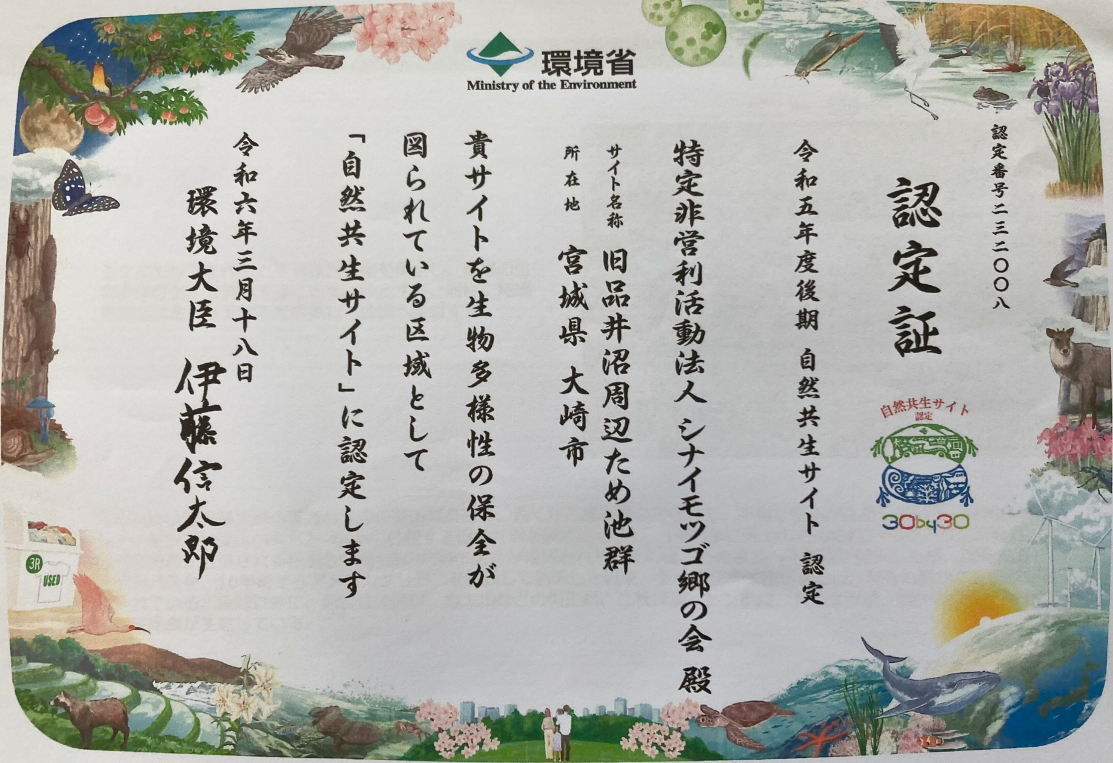
認定は民間の活動で生物多様性が保全されていることが条件。対象となったのはため池7カ所が点在する鹿島台北部の約10段で、シナイモツゴやゼナナゴといった絶滅危惧種の淡水魚が生息する。

近年は外来種の流入が確認され、会が行った行政、市などが連携して2002年からブラックバスの防除活動を展開している。14年からアメリカザリガニにも対象を広げた結果、魚類だけでなく貝類や水生昆虫などの生態系が復元された。

会は継続的な活動のためザリガニ料理による有効活用も試みている。3月28日に市役所を訪れた高橋清孝理事長は「里山の水辺の重要性を認めてもらえたが、防除を止めれば元に戻ってしまう。今後は有効活用による資金獲得とともに、関心を持つ企業と連携して取り組みたい」と強調した。

伊藤康志市長は「古里の原風景を守る先駆的な活動を全国モデルとして展開してほしい」と述べた。

高橋理事長（右から2人目）らが自然共生サイトの認定を報告した



環境省
Ministry of the Environment

認定番号ニ三二〇〇八

認定証

令和五年度後期 自然共生サイト 認定

特定非営利活動法人シナイモツゴ郷の会 殿

サイト名称 旧品井沼周辺ため池群

所在地 宮城県 大崎市

貴サイトを生物多様性の保全が図られている区域として「自然共生サイト」に認定します

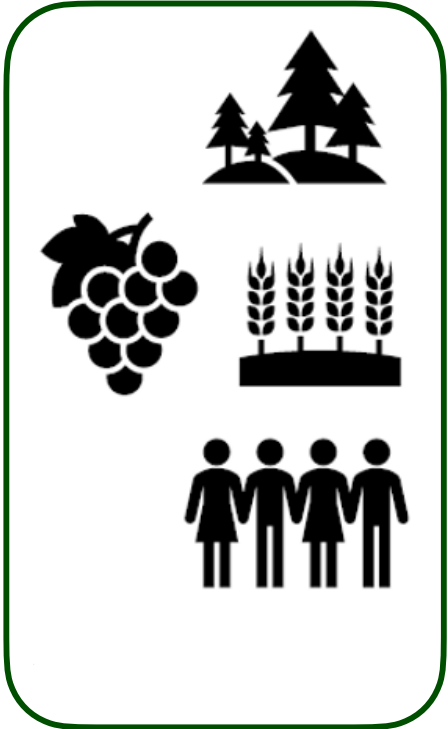
令和六年三月十八日
環境大臣 伊藤信太郎

自然共生サイト
認定
30x30

Ministry of the Environment

Issue certificates of support for corporate support

Implementer of conservation activities



1 Application for Site

2 Site Certification

Organizations that certify sites

Organizations Issuing Certificates of Support

4 Issue certificates of support

3 Support (Donations, etc.)

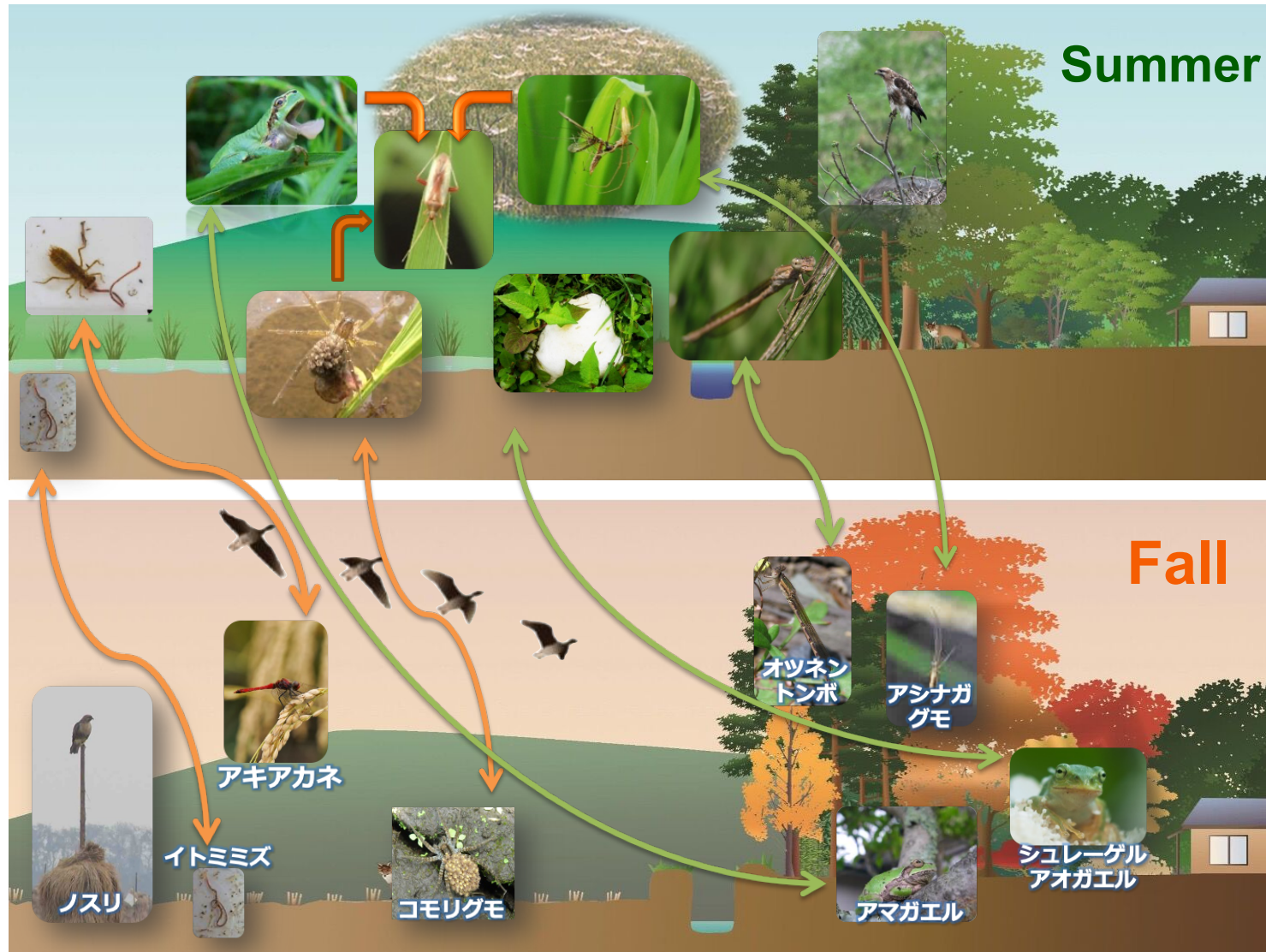
Businesses and other supporters



New Challenge to quantify biodiversity Around Igune in Osaki Kodo



Diversity of living creature around Igune → Quantitative



“Minamihara-Anazeki Irrigation Canal”

~A living heritage of transforming a desolate land in the upstream regions into a farming village that has lasted for about 380 years through skillful water management ~

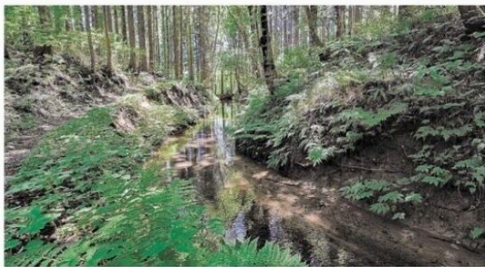


World Heritage Irrigation Structures

Passed domestic screening!

“Minamihara-Anazeki Irrigation Canal “

河 北 興 千 幸 反



大崎・南原穴堰

世界かんがい施設遺産の候補となった南原穴堰(大崎市提供)

世界かんがい遺産候補に9月発表

江戸時代に造られた大崎市鳴子温泉の水利施設「南原穴堰」が、歴史的価値を持つ農業用水利施設を登録する世界かんがい施設遺産の国内候補に選ばれた。国際かんがい排水委員会(ICID)の審査で登録が決まれば、9月にオーストラリアで開かれる国際執行理事会で発表される。鳴子地域西部に位置する南原穴堰は、1644~47年に

手掘りで造られた総延長1880mの水路。うち隧道(トネル)が1330mを占め、施設(東北は7施設が登録)が16年に選ばれている。市は今年2月、世界かんがい施設遺産への登録をICID日本国内委員会に申請。事務局の農林水産省は4月23日、南原穴堰など国内候補3

江戸時代の農業水路今も現役

取り除く清掃活動など水路の維持管理を続ける。市は今年2月、世界かんがい施設遺産への登録をICID日本国内委員会に申請。事務局の農林水産省は4月23日、南原穴堰など国内候補3



~The earthen channel which is maintained and managed through a cooperative effort, is also home to chars.~

”Osaki Kōdo”

Globally Important Agricultural Heritage

~ Aiming to realize nature positive and sustainable agriculture with many citizens and companies ~

大崎耕土
世界農業遺産



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