## Discussion on specific criteria for Fisheries Heritage System

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## Attributes of GIAHS Including Fisheries Activities

## No GIAHS with fishing only before 2022

- Among 67 GIHAS sites, there are no cases solely based on fishing activities
- There are 12 GIAHS sites that include fishing activities

## Types of GIAHS sites that include fishing activities

- Type A: Cultivating rice paddies while breeding or catching fish (4)
- Type B: Agriculture in wetlands or floodplains, coupled with cultivating or catching fish in the surrounding waters (3)
- Type C: Breeding or catching fish in reservoirs constructed for irrigation purposes (3)
- Type D : Cultivating or catching fish in rivers or oceans with values for overall systems (2)

## Attributes of GIAHS Including Fisheries Activities

Nation	GIAHS site	Year of Designation	Туре
China	Rice Fish Culture	2005	А
	Dong's Rice Fish Duck System	2011	А
	Xinghua Duotian Agrosystem	2014	В
	Huzhou Mulberry-dyke and Fish Pond System	2017	С
India	Kuttanad Below Sea Level Farming System	2013	В
Japan	Noto's Satoyama and Satoumi	2011	D
	Kunisaki Peninsula Usa Integrated Forestry, Agriculture and Fisheries System	2013	С
	Ayu of the Nagara River System	2015	D
	Biwa lake to land integrated system	2022	Α
Philippines	Ifugao Rice Terraces	2011	А
Sri Lanka	The Cascaded Tank-Village System in the Dry Zone of Sri Lanka , Sri Lanka	2017	С

Difficulties in Application for the same criteria



Food and Livelihood Security

Applicable; fish are important food resources and good sources of household income

Agro-biodiversity

Difficult; biodiversity of aquatic ecosystem? Or fish species?

Local and Traditional Knowledge systems

Applicable; Traditional fishing gears and methods

Cultures, Value systems and Social Organisations

Applicable; / Custom of resource management / cultures related with fishing community

Landscapes and Seascapes Features

Difficult; What is the SEASCAPES? Over the surface of water? Or under including underwater?

GIFHS - Globally Important Fisheries Heritage Systems?



## ■ Agro-biodiversity → Sustainability of Resource Management

#### (Example)

"Ban on Fishing During Spawning Season"

"Mesh Size Restriction for Fishing Nets"

"Fishing Hook Size Restriction "

"Fishing Hook Size Restriction"

## Seascapes Features → Conservation and Preservation of Ecosystems

#### (Example)

"Good Water Quality"

"Abundant Prey Organisms"

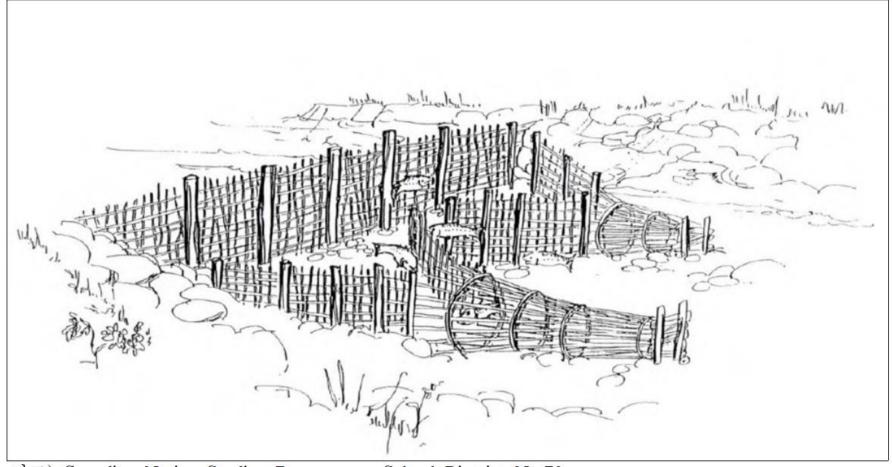
"Unpolluted seabed condition"

"Undisturbed Pristine Nature"

Traditional Fishing, Humanity's Shared Inventions

## Nuu-Chah-Nulth traditional salmon fishing

- "Indigenous Peoples of Canada "
- A V-shaped structure used to catch salmon migrating upstream in estuaries



자료) Canadian Native Studies Programme, School District No.70.



## Menai Strait Fish Traps

- Known to have been established after the medieval period
- O Gorad Goch Island is situated in the Menai Strait in the Wales region

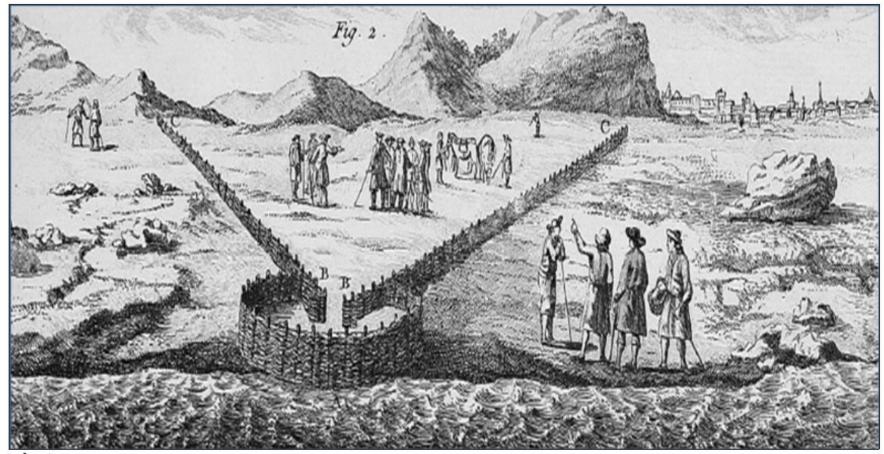


자료) https://www.peoplescollection.wales/items/44094.



## V-shaped fish trap depicted in 18th-century French engravings

○ In an engraving created by the French author Duhamel du Monceau in 1765, a structure resembling a fish weir, believed to be a form of fish trap similar to the 'jukbangnyeom'



자료) Cooper et al., 2017.

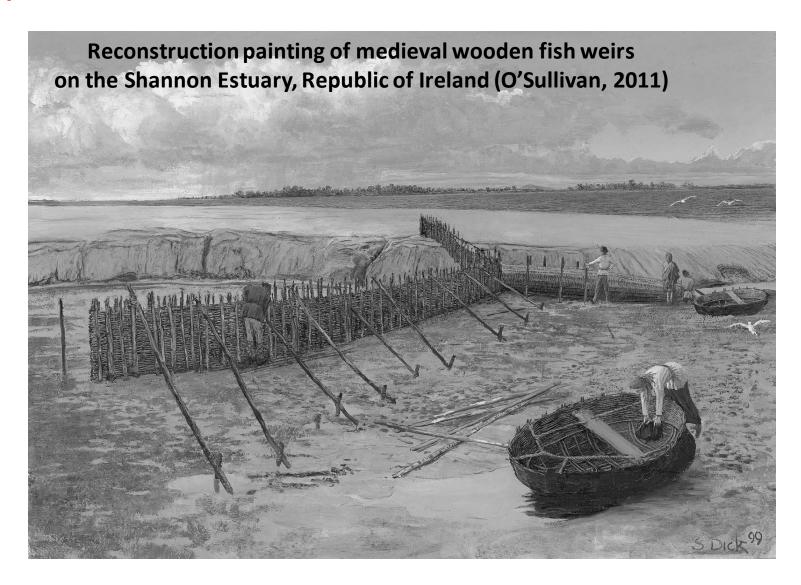


## ■ The fishery structures at Ashlett (Cooper et al., 2017)





## Republic of Ireland





## Jukbangryeom in Korea



- ➤ V-shaped wooden weir (30~100m length)
- > Pound : round (10m diameter) or square
- ➤ Site condition: very fast flowing (10~15 knot / h)
  shallow seawater (3~10m average depth)
  large tidal range (5~15m)

# Thank You!

