

# Jeju Haenyeo Fishery System



2016. 6.16

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# Jeju Haenyeo Fishery System

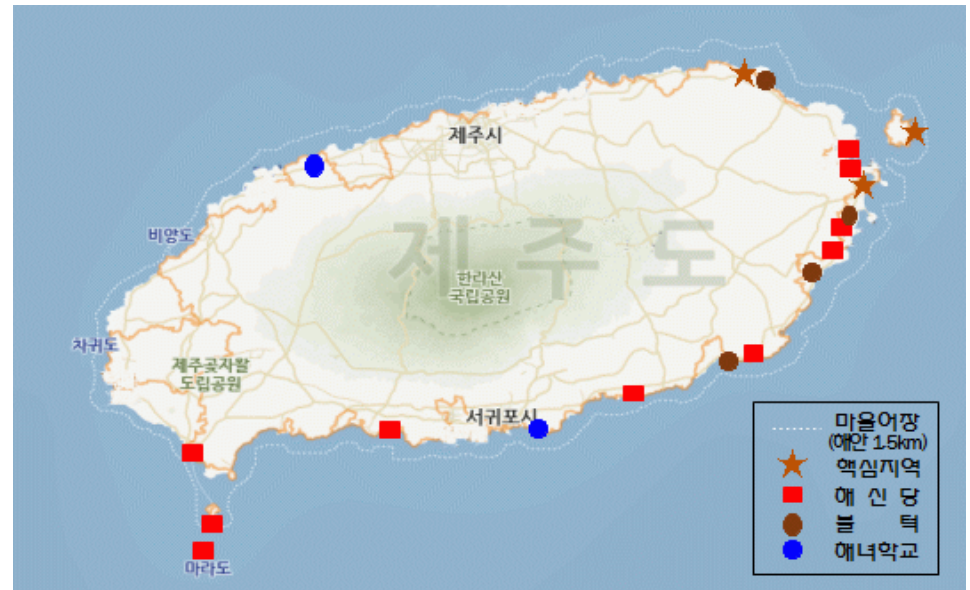
자연·문화·사랑의 가치를 키우는 제주

- **Korea National Fishery Heritage No 1 : Jeju Haenyeo Fishery System**
- **Collaboration** ① Ministry of Maritime Affairs and Fisheries ② Jeju city/Seogwipo city  
③ Jeju Fisheries Cooperatives ④ Various fishing village cooperatives  
⑤ Haenyeo Museum
- **Heritage location : Entire area of Jeju Special Self-Governing Province**

Extent: Fishing grounds of coastal villages(1.5km from coastline) in 254km extent coastline

- **Core area:** Gujwa, Seongsan, Udo Island

- **Access:**  
Circuit hwy, sight-seeing road,  
Industrial Road



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# I . History of Jeju Haenyeo

## ● Jeju Haenyeo in historic record

- < *Samguksagi, The Chronicles of the Three States*.> Goguryeo Dynasty : ‘Gaok is specialty of Seopna(ancient Jeju).
- < *Goryeosa, the Korean Dynasty*> : 2 pearls by Yun Eunggyun were named ‘Yamyoungju or shining marbel’ .
- < *the Annals of the Joseon Dynasty*> : Governor Gi Geon did not consume abalone, knowing the difficulty of diving.
- < Tamnasullyeokdo of Jeju(1702)> : Picture Byoungdambeomju includes a scene of people enjoying boat ride.

## ● Other names for Jeju Haenyeo

- Haenyeo / Jomnyeo / Jamsu
- Jomnyeo in Jeju , but also referred as Jamnyeo in ancient literature
- During the Joseon Dynasty –

Pojak : male abalone divers in deep water

Jamnyeo: female divers for algae including seaweed and seastaghorn



# I . History of Jeju Haenyeo

## 1) Expedition Diving

- Expedition diving network was formed to overcome the less catch due to overfishing by Japanese submarine fishing boats.
- First expedition diving : Gyoungsangnamdo Province in 1895
- Expedition area: The Korean peninsula, including Gyoungsangdo Province, Gangwondo, Dadohae, Gyoungsangbukdo, Hamgyoungnamdo, Japan, Qingdao and Ttarien in China, Vladivostok in Russia

### Number of Haenyeo on Expedition Diving(as of 1937)

Korea	Jeollanam do	Jeollabuk do	Gyoungsang namdo	Gyoungsang bukdo	Chungche ongnamdo	Gangwon do	Hamgyoun gnamdo	Hamgyoun gbukdo	Hwanghae do	Total
	493	18	1,869	473	110	54	32	5	50	2,301
Japan	Tsushima	Kochi	Kagoshima	Tokyo	Nagasaki	Shizuoka	Chiba	Ehime	Tokushima	Total
	750	190	55	215	65	295	51	19	50	1,891



# I . History of Jeju Haenyeo

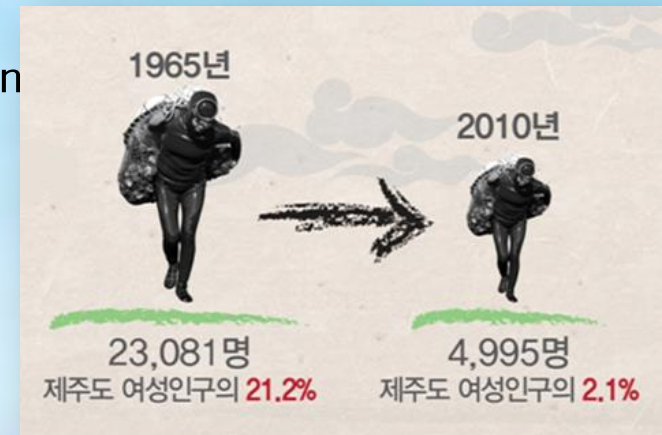
자연·문화·사랑의 가치를 키우는 제주

## 2) Independence Movement by Jeju Haenyeo

- First occurred in 1932 among Haenyeo from Gujwa, Udo Island and Seongsan area.
- Resisted against the Japanese colonial exploitation policy, threatening their survival.
- Sublimated from survival struggling to Independence Movement activities.

## 3) Jeju Haenyeo post 1960s

- Birth of tourism industry in late 1960s
- Partook in tourism industry, following reformation of industry structure





## Ⅱ. Distinct Features of Heritage

### ● Marine Production and Livelihood Means

#### 1) Catches of Jeju Haenyeo

- Total yield improved with rubber diving suit from mid 1970s.
- Main catches: conch, sea cucumber, abalone, sea urchin, blue abalone, agar-agar, seaweed, Sea weed fusiforme, gulfweed

#### 2) Importance of Jeju Haenyeo in Jeju fishery industry

- Haenyeo as an employee group: takes 84%(2014) of fishery industry



## Ⅱ. Distinct Features of Heritage

### Marine Production and Livelihood Means

#### 3) Fishery yield by Jeju Haenyeo

- Catches of Jeju Haenyeo(2014) : 4,106ton or \$20.3 million (applied \$1:1,200won)
- Catches increased from 3,500 ton (2010) to 4,000 ton (recent)

Type	2010		2011		2012		2013		2014	
	Yield	Amount	Yield	Amount	Yield	Amount	Yield	Amount	Yield	Amount
Total	3,634	17,238	3,543	20,666	3,647	20,963	4,368	22,546	4,106	24,416

- Over 80% of Jeju marine export volume is yield by Haenyeo
- Per capita income for Haenyeo: increased to \$2,800 ~\$12,500(as of 2010)





## Ⅱ. Distinct Features of Heritage

자연·문화·사랑의 가치를 키우는 제주

### ● Knowledge System and Skill of Jeju Haenyeo

#### 1) Diving

- Basic skill and knowledge of Haenyeo for their catch
  - Pre-study the fishing ground map of habitat and rock situation.
  - Acquires necessary knowledge for currents and winds in advance.
- Longer work of Haenyeo improves her lung capacity and individual response level to water pressure and temperature.
- Haenyeo are divided as Sanggun(Advanced), Junggun(Middle) and Hagun(Low) per individual skill level.



## Ⅱ. Distinct Features of Heritage

### ● Knowledge System and Skill of Jeju Haenyeo

#### 2) Haenyeo's work wear



<Mulsojunggi(diving suit)/Sujunggi>



<Mulche(top)>



#### 3) Diving Equipment



<Bitchang(hoe)>



<Jokswenun(goggles)/Jokeunnun>



<Tewak Mangsari(catch net)>



<Jonggaehomi(hoe)>





## Ⅱ. Distinct Features of Heritage

### ● Jeju Haenyeo Community

#### 1) Jamsuhoi Association, the community of economy and society

- The voluntary community organization handles joint production and meetings.
- The community shares ins and outs of diving and participate in the town management
- Represents the independent women status in Jeju economy with half farming and half fishery participation.
- Earned the individual membership as village fishery association member post1975.





## Ⅱ. Distinct Features of Heritage

자연·문화·사랑의 가치를 키우는 제주

### ● Value System and Culture of Jeju Haenyeo

#### 2) Bulteok



- Bulteok, a symbol of Haenyeo community
  - Outdoor dressing room, waiting area and warming place before and after diving
  - Venue for information exchange and community decision/discussion
- Currently 20 Bulteok remained and each coastal village used to have 3~4 Bulteok .



## Ⅱ. Distinct Features of Heritage

자연·문화·사랑의 가치를 키우는 제주

### Value System and Culture of Jeju Haenyeo

#### 3) Shamanistic ceremony

- Haeshindang (Shrine for the god of the sea) : Haenyeo' s holy place, praying for their safety and rich harvest
- Community joint preparation for the offerings and ceremony
  - <Yowangmaji, greeting for the Dragon King>: Invites the Dragon King and pray for rich harvest and no accident in safety
  - <Jamsugut>: Haenyeo develops stronger unity, sharing the Jausugut together.



<Marado Island Aegieopgaedang>



<Jongdalli Saenggaenapdonjitdang>



<Yowangmaji>



<Jideurim>



## Ⅱ. Distinct Features of Heritage

자연·문화·사랑의 가치를 키우는 제주

### ● Outstanding Landscape and Management of Local Resources

#### 1) Outstanding landscape

- Harmonized scene of ocean, oreum(volcanic hill) and Haenyeo sumbitori(exhaling breath sound)
- Marine cultural resource of Bulteok, Haeshindang and port , Wondam, Dodaebul in Jeju ocean-scape





## II. Distinct Features of Heritage

자연·문화·사랑의 가치를 키우는 제주

### Outstanding Landscape and Management of Local Resources

#### 2) Resource management & culture preservation

- Safeguarding Jeju Haenyeo & income increase
  - Accident prevention program for Haenyeo
  - Release young fish and shells in the ocean
  - Establish Haenyeo Market for Income production
- Preserving Jeju Haenyeo culture
  - List for UNESCO Intangible Cultural Heritage
  - Establish & operate Haenyeo Museum
  - Vitalize Haenyeo culture thru Haenyeo Festival, etc
- Nurturing Jeju Haenyeo
  - Year-round operation of 2 Haenyeo School
  - Simple process for new Haenyeo registration



## Ⅱ. Distinct Features of Heritage

### ● Preservation and Improvement for Biodiversity

#### 1) Limitation rule for catches

- Eco-friend skilled Haenyeo diving system has preserved the sustainable biodiversity in Jeju.
- Application of Ban Period for Diving Catches

구 분	금 지 기 간	연중포획금지체장
해 삼	7월 1일 ~ 7월 31일	
전 복	10월 1일 ~ 12월 31일	체장 10cm 이하
소 라	6월 1일 ~ 8월 31일	체장 7cm 이하
툇	10월 1일 ~ 다음해 1월 31일	
우뭇가사리	10월 1일 ~ 다음해 4월 30일	
도박류	10월 1일 ~ 다음해 4월 30일	
감태류	1월 1일 ~ 6월 30일	
오분자기	자율적 설정	체장 3.5cm 이하



## Ⅱ. Distinct Features of Heritage

### ● Preservation and Improvement of Biodiversity

#### 2) Management for the village fishing ground

- Gaeddakyi: community joint weeding and cleaning of fishing ground around the coast and intertidal zone
- Sow conch and abalone seedlings in the village fishing ground
  - ▶ Partaking in fishing ground management is one of mandatory requirements.
- Fishing ground management of Jeju Haenyeo reflects the well harmonized coexistence with the mother nature.





# III. Contemporary Significance of Heritage

문화·사랑의 가치를 키우는 제주



## IV. Threats and Challenges

### ● Threats

- Decrease of Jeju Haenyeo
- Aging factor of Jeju Haenyeo

연도별 잠수현황

	`70	`80	`90	2000	2005	2010	2011	2014
잠수수(명)	14,143	7,804	6,827	5,789	5,545	4,995	4,881	4,415
30세미만(%)	31.3	9.8	4.3	0.1	0	0	0	0
30~49세(%)	54.9	60.7	44.2	22.1 (1,282)	12.9	2.5 (125)	2.7 (132)	1.5 (67)
50세이상(%)	13.8	29.5	51.5	77.8 (4,504)	87.1 (4,827)	97.5 (4,870)	97.3 (4,749)	98.5 (4,348)

\* In 2014:

50~59: 663 person(15.5%) • 60~69: 1,425 person(32.3%) Over 70: 2,260person(51.2%)

# IV. Threats and Challenges

## ● Challenges

### 1) System structured for the existence of Haenyeo

- Essential to form consensus decision among public administration, Fisheries Cooperatives, Fishery Association and Haenyeo Society
- Sound systematic operation of Haenyeo School to promote future Haenyeo

### 2) Launched Haenyeo Membership

- Semi-fishery association member status allows over 60 day diving a year in the village fishing ground.

### 3) Recovery of resources in the village fishing ground

- Release larger volume of seedling fish and shell
- Maintain Total Allowable Catch(TAC) system





### ● Safeguarding Jeju Haenyeo & Income Increase

#### 1) For Haenyeo safety and accident prevention measure

- Colored diving suit offered since 2011
- Project to reduce the work hours and diving period

#### 2) For Haenyeo welfare

- Subsidized for diving medicare: \$3.54 million
- Diving safety mutual fund: \$64,000

#### 3) For Haenyeo income increase

- Price stabilization measures for live shell
- Subsidized for the 6<sup>th</sup> industry production facility of marine products

# V. Sustainable Management

## ● Preserving Jeju Haenyeo Fishery and Culture

### 1) Heritage designation and preservation of Haenyeo Culture

- Designation: 'Jeju Haenyeo Diving Suit and Gears(2008)' as Jeju Provincial Folklore Item No 10
- Designation: 'Haenyeo's Song(1997)' as Jeju Provincial Intangible Cultural Assets No 1
- UNESCO Intangible Cultural Heritage designation progress in process (2016)

### 2) Haenyeo Museum and Haenyeo Festival

- Haenyeo Museum operation began in 2006, hosting 200,000 annual visitors .

### 3) System set up to preserve Haenyeo Fishery

- Establish "Ordinance for sustainable Haenyeo livelihood"
- Set model fishery associations for education of apprentices



<Haenyeo Museum>

# V. Sustainable Management

## ● Preservation of Haenyeo Livelihood

### 1) Operation of Professional Haenyeo School

- Hansupul Haenyeo School
- Beophwan Jamnyeo Village Haenyeo School

### 2) Simplified new Haenyeo registrations

- Permits diving practices of new Haenyeo at village fishery association level
- Support Haenyeo registry of returning fisheries and village, multicultural family members

City	Per year						
	Total	2010	2011	2012	2013	2014	September 2015
Total	98	13	19	14	14	29	9
Jeju city	64	3	15	12	8	20	6
Seogwipo city	34	10	4	2	6	9	3



# V. Sustainable Management

## ● Maintain the Persistent Tendency of Marine Resource

(Fish bank facility, seaweed plantation, hurricane prevention facility, underwater low longline fishery facility)

Coastal  
ocean  
farm  
project

(Set fishing banks, release baby fish)

Build  
Marine  
forest

Build  
Marine  
forest

(Adapt new customized model  
per fishing ground)

Artificial  
seaweed  
plantation  
project

(Build fishing ground per  
each district and region)

Resource  
recovery  
project for  
village fishing  
ground

(Gaeddakyi-cleaning, Hijiki  
plantation, Kelp pilot cultivation)

## VI. Social/Environmental Impact post Heritage Designation

자연 문화 사랑의 가치를 키우는 제주

### ● Efforts for FAO GIHAS Designation

- Improve and promote the value of FAO GIAHS Jeju Haenyeo Fishery System
- Various synergy effect, tying with UNESCO Natural Heritage value can be produced.

### ● Establish Systematic Conservation and Management

- Establish Fishing Ground Resting-year System
- Maintain the clean fishing ground environment and expand marine resources

### ● Establish 3D utilization system

- Promote Haenyeo culture and fishery villages thru development of fishery tourism resources
- Improve Haenyeo brand value, applying 'Ordinance of Haenyeo culture contents program'





Hayoung Gomapsuda!

Thank you very much!







