

08/03/2023





Saltpans and ponds: socio-ecosystems connecting lives

Juan Martín Bermúdez

















I.- ¿WHO WE ARE? ... WE'RE AN NGO THAT SHOULD NOT EXIST

SALARTE was created in response to a dramatic situation of abandonment of the salt marsh, aiming

ecovery, management and enhancement of the marsh.

SALARTE is declared by the Government of Spain as a "social entity" (charity NGO)

What we do?

We provide services for the development of scientific, social, economic and cultural initiatives.

What's the goa

To reconstruct a living area that provides goods and services and set people & nature roots

SOCIO-ECOLOGICAL SYSTEM

For whom we work?

We work in the management of living territories which enhance biodiversity, greate value and improve the quality life... "For Nature, for people, for children, for a better future"

How do we do it?

Creating economic activity, recovering ethnography & territory pride improving the landscape

BIODIVERSITYSOCIETYECONOMYHERITAGEETNOGRA











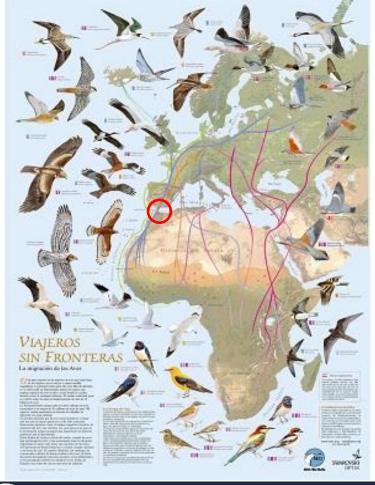




























SANTA TERESA – DOÑANA SALTPAN RECOVERY 1999 - 2005

























WHAT WE HAVE CONTRIBUTED?

- We've created the management model of an abandoned marsh and become the most visited Metropolitan Park in Spain.
- We learnt at Los Toruños Metropolitan Park from the marsh, the artisanal saltpans and the bay of Cadiz.
- We've organized two International Saltpan Meetings (Morocco, Portugal and France) in 2007 and 2009.





- We've prepared and defended projects in Parliament, Senate and Congress Deputies.
- We agree to all political parties to recover the artisan production of sea salt.
- We achieve to change the Spanish legislation about salt production (RD 1634/2013 Law).
- We've managed the recovery of some abandoned saltpans, celebrated some Bird Migration Festival and several Fam Trips there
- We strive to demonstrate a pioneer way to managing protected areas: Land Stewarship model (UK&USA model)







WHAT HAVE WE ACHIEVED?

The change of the Spanish legislation about salt production

BOLETÍN OFICIAL DEL ESTADO

Viernes 25 de noviembre de 2011

Sec. I.

I. DISPOSICIONES GENERALES

MINISTERIO DE LA PRESIDENCIA

18537 Real Decreto 1634/2011, de 14 de noviembre, por el que se modifica el Real Decreto 1424/1983, de 27 de abril, por el que se aprueba la Reglamentación Técnico-Sanitaria para la obtención, circulación y venta de la sal y salmueras comestibles.

3.000 years after, Spain discover that Virgin Sea Salt and Flower of Salt does exist!!!

«3.2 Sal marina.-Es la sal procedente de la evaporación del agua del mar.

Cuando se obtiene exclusivamente por la acción del viento y del sol, recogida a mano y lavada sólo en el cristalizador, sin la adición de ningún ingrediente, se puede denominar "sal marina urinan"

Cuando la capa flotante de la sal cristalizada en la superficie del agua de los cristalizadores, formada exclusiamente por la acción del viento y del sol, se recolecta manualmente y sin lavar ni adicionar ningún ingrediente, se puede denominar "flor de sal".»

...finally, we can compare ourselves with Europe law... but only a little bit

«13.1.3 El contenido de cloruro sódico no debe ser inferior al 97 por cien de la materia seca, con exclusión de los aditivos, a excepción de la sal marina virgen y la flor de sal que puede contener como mínimo un 94 por cien. Para la sal marina virgen y la flor de sal el defecto en cloruro sódico no será consecuencia del aumento de los residuos insolubles.»





From there, the challenge begins...

added value, cooperativism, differentiation, quality, craftsmanship and tailor-made tourism are the challenges of the future.

Active saltpans stocks 150 t CO2 ha-1 more than abandoned saltpan one. Source: IUCN.



2° largest Blue C sinks Marsh >60% Rainforest

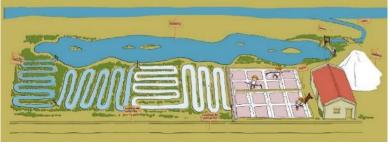
1º Mangroves Blue Carbon storage 1.200 CO₂ ha⁻¹

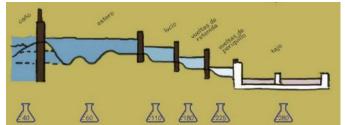
2° Salt Marsh Blue Carbon storage 900 t CO₂ ha⁻¹

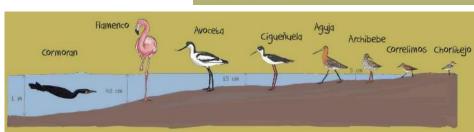
3° Saltpans Blue Carbon storage 700 t CO₂ ha⁻¹



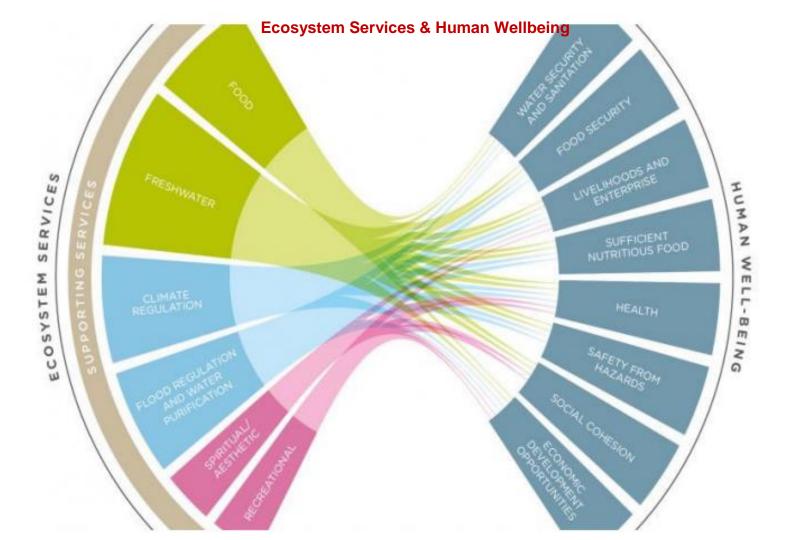












How many ecosystem services

do saltpans generate?

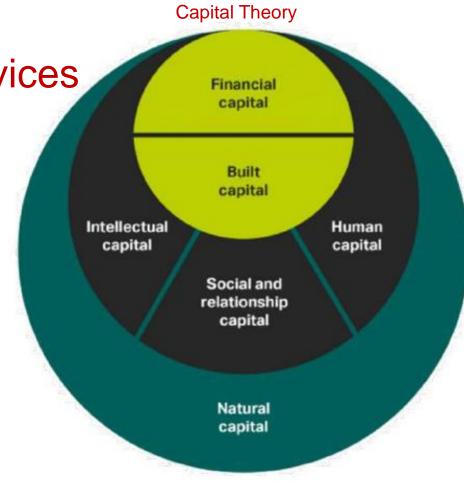


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Identificación y valoración de los Servicios Ecosistémicos del Parque Regional de las Salinas y Arenales de San Pedro del Pinatar (Murcia, España) basado en encuestas a los usuarios

Identification and assessment of the ecosystem services of the Salinas y Arenales de San Pedro del Pinatar Regional Park (Murcia, Spain) based on user surveys











- Climate Regulation
- Flood Protection
- Provisioning Services
- Coastal Erosion





But there're much more! 32 ecosystem services generated by saltpans visionamiento para aquellos ecosistemas que dependen de organismos vivos Tabla 2. Servicios de aprovisionamiento para aquellos ecosistemas que no dependen de organismos vivos

Tabla 1. Servicios de aprovisionamiento para aquellos ecosistemas que dependen de organismos vivos

Sección	División	Grupo	Clase	Código CICES V5.1	Servicio Ecosistémico	Acción LIFE
Aprovisionamiento (biótico)	Biomasa	Animales (terrestres y acuáticos) para la nutrición, materiales o energía	Animales (terrestres y acuâticos) utilizados con fines nutricionales	1.1.6.1	Pesca, alimentación de animales	C2
	Material genético de toda la biota (incluidas las semillas, esporas o la producción de gametos)	Material genético de plantas, algas u hongos	Semillas, esporas y otros materiales vegetales recolectados para mantener o establecer una población	1.2.1.1	Recolección de semillas	C4

Sección	División	Grupo	Clase	Código CICES V5.1	Servicio Ecosistémico	Acción LIFE
umiento co)	Productos del	Sustancias minerales utilizadas para nutrición, materiales o energía	Sustancias minerales utilizadas con fines nutricionales	4.3.1.1	3.1.1 Valor nutricional (sal)	C1, D5, E3
Aprovisionamiento (abiótico)	ecosistema abiótico natural no acuoso	Sustancias no minerales o propiedades del ecosistema utilizadas para nutrición, materiales o	Sustancias no minerales o propiedades de los ecosistemas utilizados para fines nutricionales	4.3.2.1	Valor nutricional (Vitamina D)	С3

Tabla 3. Servicios de regulación y mantenimiento para aquellos ecosistemas que dependen de organismos vivos

Sección	División	Grupo	Clase	Cices V5.1	Servicio Ecosistémico	Acción LIFE
			Control de las tasas de erosión	2.2.1.1	Capacidad de la vegetación para estabilizar las dunas	C3, D2
		Regulación de flujos base y fenómenos extremos	Regulación y atenuación del movimiento de masas		Capacidad de la cubierta forestal para prevenir y mitigar el alcance y la fuerza de las olas	C3, D2
		, assesses careina	Regulación del ciclo hidrológico y del flujo de agua (incluido el control de inundaciones y protección costera)	2.2.1.3	1.2 forestal para preventi y rimitage de lacance y la finerza de las olas Capacidad de la vegetación (arribazones de las olas de Posician comitica). 3. para mitigar los electos de las influencias costeras costeras costeras costeras de minimientos de remaillas de minimientos de las influencias contentas contentas contentas contentas de minimientos de las especies. 3. La Control de Especies Exotocas brusacras Mantenimiento de Especies Senticas brusacras Mantenimiento de confunto de las especies.	C3, D2
(00)			Polinización (o dispersión de 'gametos' en un contexto marino)	olinización sión de 'gametos' 2.2.2.1 Polinización oritexto marino) uno do comilho 2.2.2.2 Dispersión	C4	
to Chide		Mantenimiento del ciclo de vida, hábitat y	Dispersión de semifias			C1, C2 C4
Regulación y Mantenimieno (Notto)	Regulación de las condiciones químicas, físicas y biológicas	protección del acervo genético	Mantenimiento de las poblaciones y los hábitats de cria (incluida la protección reserva genética)	2.2.2.3	hábitats donde viven el	C1, C2 C3, C4 C5
		Control de plagas y enfermedades	El control de plagas (incluyendo especies invasoras)	cluyendo espectes 2.2.3.1		C5, D1
		Regulación de la calidad	Procesos de meteorización y su efecto en la calidad 2.2.4.1 Mantenimiento la calidad del su gracias a la liberaci	la calidad del suelo gracias a la liberación de		
		del suelo	Procesos de descomposición y de fijación y su efecto en la calidad del suelo	Mantenimiento de la calidad del suelo grac ecto 2.2.4.2 calidad del suelo grac a la descomposición o	Mantenimiento de la calidad del suelo gracias a la descomposición de materia orgânica	C1, C3 C4
		Condictiones del agua	Regulación del estado químico del agua salada por procesos vivos	2.2.5.2	Mantenimiento de las condictones químicas del agua salada	C1, C2
		Composición y condiciones atmosféricas	Regulación de la composición química de la atmósfera y los océanos	2.2.6.1	Sumidero de gases de efecto invernadero gracias a los seres vivos	C1, C2 C3, C4

Sección	División	Grupe	Clase	Codigo CICES V5.1	Servicio Ecosistémico	Acción LIFE
		Interacciones físicas y	Características de los sistemas vivos que per- miten las actividades que promueven la salod, la recuperación o el disfinite a través de interacciones activas o de interacciones	3.1.1.1	Turismo deportivo	C1, C2 C3, C4 C5, D5
	Interacciones directas, in-situ	experimentales con el entorno natural	Características de los sistemas vivos que per- miten las actividades que promueven la salad, la recuperación o el disfinate a través de interacciones pasivas o de observación	31.1.2	3.1.1.2 Turismo de naturaleza 3.1.2.1 Investigación científica	C1, C2 C3, C4 C5, D5
tico)	y al aire libre con sistemas vivos que dependen de la presencia en el entorno ambiental.		Características de los sistemas vivos que per- miten la investigación científica o la creación de conocimientos ecológicos tradicionales	3.1.2.1		D1, D2 D5, E2
mis (bio		Interacciones intelectua- les y representativas con entorno patural	Características de los siste- mas vivos que permiten la educación y la formación	3.1.2.2	Educación ambiental	EI
Servidos culturales (biórico)		емотю паша	Características de los sistemas vivos que son resonantes en términos de cultura o el patrimonio	3.1.2.3	Patrimonio cultural	D5
š		8	Caracierísticas de los sis- temas vivos que permiten las experiencias estéticas	3.1.2.4	Inspiración artística	D5
		Interacciones espirituales.	Elementos de los sistemas vivos que tienen un signi- ficado simbólico	3.2.1.1	Icono cultural	D5
	Interacciones in- directas o remotas	simbólicas y de otro tipo con el entomo natural.	Elementos de los sistemas vivos utilizados para el entrefenimiento o repre- sentación	3.2.1.3	Documentales/reporta- jes en la naturaleza	EI
		no requieren esencia en el rno ambiental. Otras características bió-	Características o rasgos de los sistemas vivos que tienem un valor de exis- tencia	3.22.1	Valor de existencia. Bienestar moral/mental	C1, C2 C3, C4 C5
		ticas que tienen un valor de no uso	Características o rasgos de los sistemas vivos que tienen una opción o valor de legado		Valor de legado (me- diame la protección de especies en peligno)	D5

Tabla 4. Servicios de regulación y	 and the second second	and described the second	

Sección	Division	Grupo	Clase	Código CICES V5.1	Servicio Ecosistémico	Acción LIFE
nimiento	Transformación de entradas bioquímicas	La mediación de los resíduos, sustancias	La dilución de los ecosistemas marinos y de agua dulce	5.1.1.1. El uso de sistemas de agua marina como sumidero de contaminación	C1, C2	
ón y Manter (abiosco)	o fisicas a los ecosistemas	tóxicas y otras molestias por procesos no vívos	Dilución por la atmósfera	5.1.1.2	La atmósfera como sumidero de contaminación	C4
Regulación y (al	Regulación de las condiciones físicas, químicas y biológicas	Regulación de los flujos de línea de base y los fenómenos extremos	Plujos de masas	5.2.1.1	Las dunas como protección costera	G

Sección	Division	Grupo	Clase	Cidigo CICES V5.1	Servicio Ecosistémico	Acción LIFE
Servicios culturales (a botiko)	Interacciones directas, in situ y al alfe libre con sistemas físicas	interacciones fisicas y experimentales con componentes abióticos naturales del medio ambiente.	Características naturales y abióticas de la naturaleza que permiten interacciones fisicas o experimentales activas o pastvas.	6.1.1.1	licoturismo	D5
	naturales que dependen de la presencia en el entorno ambiental.	Interacciones intelectuales y representativas con componentes abióticos del medio ambiente natural	ectuales y naturales y ablôticas naturales y ablôticas de la naturaleza que entes ablôticos permiten intracciones permiten intracciones	6.1.2.1	Recreación	D5
	Interacciones indirectas o remotas con sistemas lísicos	nectas o remotas abióticos del medio interacciones espirituales,	6.2.1.1	Importancia simbolica	D5	
	con sistemas físicos que no requieren presencia en el entorno ambiental.	Otras características abióticas que tienen un valor de no uso	Características naturales, abióticas o de la naturaleza que tienen un valor de existencia, opción o legado.	6.2.2.1	Significado cultural/ Legado	D5





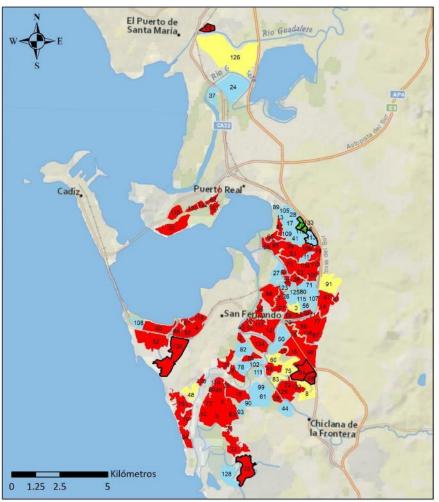
CURRENT SITUATION AT **BAY OF CADIZ**

160 saltpans in 1980

4 active saltpans today

10.522 Has, to work...

5.373 Has, to restore!



Usos reales de las salinas del Parque Natural Bahía de Cádiz Abril-2021

1 Adolfo (San) 46 Esperanza Chica (La) 47 Esperanza Grande 2 Agapito (San) 3 Aguila (EI) 48 Estanoullo (El) 4 Agustin (San) 49 Fugerio (Saro) 50 Federico (San) 51 Felipe (San)

52 Fellx (San)

53 Fernando (San)

54 Florencio (San)

57 Gabriel (San)

56 Gertrucks (Sta)

61 Imperial (La)

63 Industria (La)

65 Isabel de Fuera (Sta)

64 Isabel (Sta)

66 Isleta (La)

68 Joaquin (San)

69 Jose (San)

59 Hacienda Chica

60 Hermanos (Los)

55 Francisco de Asis (San)

62 Imposible del Trocadero (La)

67 Joaquin y Santa Ana (San)

70 Jose de Balbanera (San)

75 Jose y San Enrique (San)

77 Juan Nepomuceno (San)

76 Jose y Santa Ana (San) -El Rubial-

71 Jose del Parmar (San)

72 Jose Horcaio (San)

74 Jose v Animas (San)

73 Jose Nuevo (San)

78 Judas (San)

80 Leon (San)

81 Manuel (San)

84 Mahilde (Sta)

86 Miguel (San)

82 Marcarita (Santa)

85 Mercedes (Ntra Sra de)

87 Miquel de la Rosa (San)

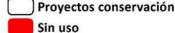
83 Maria de Jesus

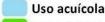
79 Leocadia (Sta)

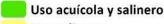
56 Francisco Javier (3an)

- 5 Alejandro (San) 6 Amalia (Sta) 7 Ana (Sta) - Ana y Juan-
- 8 Analy San Juan de Bartivas 9 Angeles Custodios (Los) 10 Antonio (San)
- 11 Atravesada (La) 12 Aurora (Ntra Sra de la) 13 Jose de Barbanera (San)
- 14 Barbara (Sta) 15 Basilio (San) 16 Beatriz (Sta)
- 17 Belen de Levante y Porsente
- 18 Borriquera (La) 19 Calaiera (La) 20 Caruto (San)
- 21 Caruto (San) 22 Cañaveral 23 Carbonems (San Juan)
- 24 Carios y San Jaime (San) 25 Carmen de Bartivas
- 26 Carmen de San Lorenzo 27 Carmen de San Miguel 28 Carmen Nuevo (Nha Sral)
- 29 Carmen Vieto 30 Catalina (Sta) 31 Concepcion (Ntra Sra de)
- 32 Consulado 33 Coto de la la la leta-1
- 34 Coto de la la la leta-2 35 Covadonga (Nira, Sra. de) 36 Cristo Misericordia (Sto) 37 Desamparados (Ntra Sra)
- 38 Diego (San) 39 Divina Pastora (La) 40 Dolores (Nira Sra de los)
- 41 Domingo (Sto) 42 Duice Nombre de Maria
- 45 Esperanza (La)

- 43 Emilia (Sta)
- 88 Miguel y San Jose (San) 44 Enrique y Motino de Santa Cruz 89 Molineta (La) 90 Moliners Norte







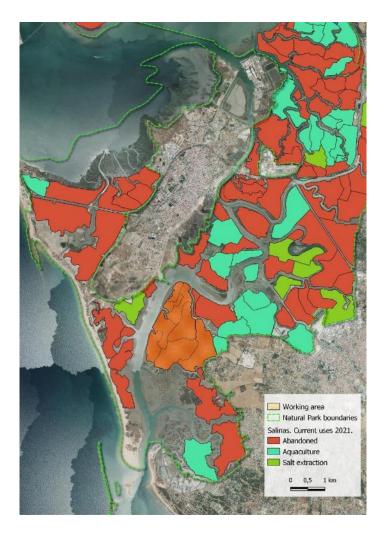
Uso salinero

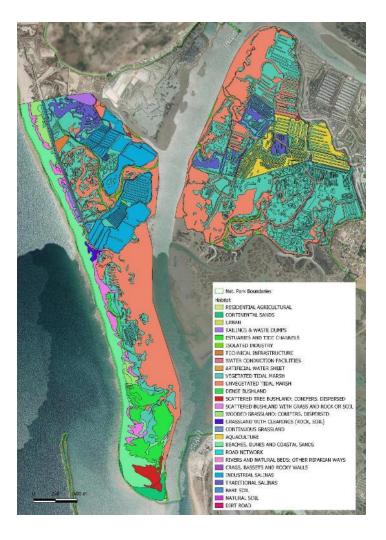


- 92 Molino Sanulose 93 Molimera del Sur II al 94 Michias (San)
- 95 O (Nuestra Señora de la) 98 Pablo (San)
- 97 Pascual Bailen (San) 99 Pastorita Sur (La)
- 100 Patricio (San) 101 Patrocinio
- 102 Pedro (San) 103 Pedro y San Jose (San) -La Covacha-
- 104 Peda (La) 105 Pilar (Ntra Sra del)
- 106 Polyera y Aurora 107 Populo (Ef)
- 108 Preciosa y Roqueta 109 Rafael (San)
- 110 Rafael del Monte (San)
- 111 Ramon (San)
- 112 Reglay Contha 113 Regia y Rosa
- 114 Ricardo (San)
- 115 Rita (Santa)
- 115 Rosario (Mra Sta de)
- 117 Sagrada Familia 118 Sagrado Corazon
- 119 Sagrado Corazon de Jesus
- 120 San Salvador
- 121 Santiago (San) 122 Santisimo Sacramento
- 123 Sebastian del Carmen
- 124 Soleded (Nits Sra de)
- 125 Talanquera (La)
- 128 Tapa y Marivelez (La) 127 Teress de Jesus (Sta)
- 128 Teresa de Paz (Sta) 129 Teresa la Nueva (Sta)
- 130 Tres Amiges 131 Trinidad del Trocadero (La)
- 132 Trinidad Nueva -El Raton-
- 133 Vacueriza La Esperanza 134 Vicario (Isla del)
- 135 Victoria del Trocadero (La)









We have been restored 8 abandoned saltpans and 4 saltmarshes since 2012... But Salarte also looks human, social and economic performance ... The key is to link human population with his territory. **To value the local knowledge**.







L'île du Trocadéro Consulate Saltpan 2014-2020





























EL ROSARIO SALTPAN - VOLUNTEER CAMP









































Conservation of saltpans as key sites for migratory waterbirds

BirdLife has identified a network of critical sites for migratory birds, called Important Bird & Biodiversity Areas. Amongst them are several saltpans. Together with her international partners. BirdLife contributes to the conservation and valorisation of these saltpans as key sites for migratory waterbirds.

SADO ESTUARY SALTPANS

We already have some good examples of well-managed saltpans in Portugal and solid scientific knowledge to back up our plans. I am looking forward to seeing the birds return to the abandoned sites after so many years.

Domingos Leitilo - Portugal, SPEA



North America

NETHERLANDS

In 2014 and 2015 Dutch supporters sponsored the regional saltpan project for almost € 130,000,-. This can kick-start restoration and management work in saltpans along the flyway.

Danielle van Olien - The Netherlands, VSN



Asia

Europe

Wadden Sea

Atlantic coast

Cabo de Gata Sado Estuary

Salines de Lixus

Thyna Saltpans

SALTPANS ON THE ATLANTIC COAST

in France, there are great examples of well-managed saltpans operated by local cooperatives. This is part of our cultural heritage. We have contributed with our specific bird knowledge and hope to exchange this experience along the flyway.

> Dominique Aribert -France, LPO

Africa

THYNA SALTPAN

Local people are keyl Ecolourism and educative activities will enable us to involve and empower the local population around the Thyne sallpan to change their view on this wetland and their attitudes towards it.

Claudie Feltrup-Azetzet - Tunisia, AAO

SALINES DE LIXUS

We are working together with local governments and communities to restore these abandoned saltpans. When I am in the area and see the abandoned salitpans overgrown with vegetation, I can't wait to start the work.

Khedije Bouress - Morrocco, GREPOM











WE'RE WORKING AND SPREADING THE VERY BEST OF CADIZ BAY MARSHES AND SALTPANS LOOKING FOR IT AWARENESS...EXCURSIONS, ECOTOURISM AND FAM TRIPS, BIRDWATCHING: LIFETIME EXPERIENCES.





Once a war

zone, today an

ground - Rob

ecological battle

Horgan discovers

why a singer, a

sculptor and a

Michelin-starred

chef are fighting

to turn an island

Cadiz into a bird-

watching paradise

in the Bay of

N 1823 a areal group of Spanisheds - authorithmed by 15 to one - stood their ground as 30,000 French soldiers invaded Codic's Tracodern bland, Over 1,000 were captured and 150 killed as King Ferdinand VII's treops consider on Sanie. Today, olivest two centuries

feler, a new war to underway to save Trounders's embedded ecosystem, and it's one the Sporish seen to be winning. Their toront is to bring the histlife back to the stunning Lo Covacha walk post at the centre of the dibrette-sized isburt.

There may be no soldiers bearing arms this time, but the odds me just as uneverly stocked. And an areopected tota of lacal celebrities have been con scripted to the fractline of this new ece assault against the destructive forces of more and crature: aculator Invier Amera. frameson fusion singer Clara-Montes and two-stay Michelin Chef Angel Lean, also The Chef of the Sen.

They are all founder mointees of Salarte, a spo-pooft NGO dedicated to the recovery and preservation of La Covecha. All three have clear connections to this forgotters entural paradise, and a passion to see it restored to its natural glars. Clare Mentes is a ten recording artist from the Codit once: Invier Ayers has a studio in nearby Cabo de Tratalgar and

Dires: Angel Leon, of Prierto de Spelie Missio's world-famous sunfood testaumet Approprietts. needs no introduction. They are working with a team of dedicated evelogists and the crowdfunding platform verkeen loain to save these entraciditary sait fasts and their

specialises in conural scula-

beats using the wetlends as an curas for too quality birding holidatos," Staltarle: applicamen Regal shipping route frave shaland volunteer Deborah Postend the frade econotion, once all told me when I visited this a haven for weld life.

Plundered for soft throughout the 1950s and 60s, the salt treat was abundanced when modemission anded the need for traditional estraction methods.

the invesive metal industrial structures nearby illustrates the Imgic imjectory of destruction. However, in February 2014. Salarte taok over the site and its rejuveration began. Just prior to handing over the

discovery funda as course our etition-

empressioners to Solucte the horte neterally invested array.

ON THE UP:

Ospreys

(top) and

Informal

speenbil!

flamingos are

flocking back

to Trocadero

www.theolivepress.es

their discided that an NGO run ning it was the way to go. Rocked by responsed evaluation and supported by more leading local lights, the inheed is being regreed brack to life and the birds also returning.

The soft pan is now one of a selost few phases where non-assisted breating usen of a more andcles of eagury has returned to the Bakin de Cadiz Natural Park. "It is incredible to see," enthused Solute's loud ecologist. Junn Murtin Bermudelt. To wortch the asproys corning back here in the spring is a beautiful sicht.

"In the fills and 70s, represe residential burns to braced. Mores tomarkly their house on to have begand to breed in the wild in northern Foreign left lost year they carrie back here and it is our airs to uncolorado elveramento.

Bennsidez set up Sahirbi in March 2012. Originally from Maloga, he previously managed the Andebicker Network of Metropolitan Parks in his mile at the Audinitation Public Land Company

During our afternoon together



MV love of fishing come first and one passion led to anothsuss angel Leon of Aponieate, the only two Micheliatax restourant in Carlos, A. laditano born and bred, by's qually passionate about his ome province and is its top bessader, estounding foods the world over with his experimental fish dishes, raught

from the ocean on his doorstep.



Eco artist

CANTABRIAN sculptor Juster yarsa takes his inspiration on nature, wildlife and the unning scenery around his topted home in Cabo de Teagar. He works in everything om marble and bronze for tone and driftwood picked up om his local beach



Vocal backer

FLAMENCO fusion singer lara Montee was been in Mairid and began her cancer playng the capital's hip cate-concert circuit. But her heart lies n Caffin, where her family has sons. Today the Atlantic aion lives by her helpyed screan there the anothing around of e waves inspires many of her **FEATURE**

Minson .



AVIAN PARADISE: Flaminges and (right) speenbills while (below) fishermen kep the water level in check For the last pear, Bermudez

it was elemente and his pessalate for entire and burries dealer to protect other species which have long used La Covacha as a breeding ground. From appositifs to furnishes, the idend is home to 34 different

and his team have worked fireleastly with local fisherates to maintain the island and pretect it from extinction. Their main enemy is the duly falt neptest the tide.

Risker and follow has three a doc high tide cuts the island off from The publish world so if can only be recovered for short periods. They have built a 10-meter feed barrier to step recess weter coming in, and a series of

antes to nilow it to escupe. eact with local faboration plions them to horvest, the waters. n shrimp and

abell'ist. To watch the return for conospreys coming tinking water levels on a riay back here in Tendon house. the spring is a Affectionnels beautiful sight nicks arred the machaean' -

brothers Assn and Ricardo Ariin Jurido have assured this important role, and they have eight other brothers to call on oli fisherman. The Ariza family hops worked in the senters surtounding La Coracha for decades, if not contains.

(werkherses)

When they spot prything they report it to Bermudez who relays the information to the Andelicies government workly. The reumber of hirds, their chits

of nation and departure and the day they start breeding meall neted drawn in a rectinglance effort to demonstrate the benefficat consening the Island. But it is not only tides that put it at risk. A large area of rubbish washed up from local basches is eaffocating the acts grass on the

cult test: When serrome throws in pecket of crams or a bear

bottle in the sen they don't realse where it goes," he says. It cames here and ruins our Enumbs, boots using uroupthorised shipping been close

Parameters in accommission of

clement postulion this warn-

mer but accepts it is a diff-

to the island threaten the equi-Mississey. 'Lest year I was wetching the

birde from new." Berenteder replains They were hespes. I was

house. Then nll of sudden they fiew up into the sky as F startled by eprinthing. 'I took my bineculars down and there I saw a small host

passing right by their. "I couldn't believe it. I min ever to the best and shouled. Proale don't even replies that this is notected bod, it is as much about educating people as it is nowthing wine.

One way Bernuder hopes to staling triumen meets of Ltv Couraction and share his dream with loon hird watchers.

Last reports, a letter most a victoing platform years installed and the first small tours have been conducted. Plans are in motion to senstruct a refreshment mea and once the island to bird lovors worldwide this summer. 'The main job is frished and athough we need to continue



our work, we also want to show aff the island, to offer people the chance to come over for the day and see our little piece of unradies," spid Respudies.

The main aim of the assisst has been restarotion for selectlife purposes, the second six be thus toxicities it cross below." The abso is to suprante the island as a hinf watchers, paradise and to turn day trips for tourists visiting Codic. The term has even enlarged actuary

a small fishing heat - minimally used to bring 80 migrants from Mrice to Spain they they all fisted in I have no tdeal - to take tourists to the island from near by Friedly Real The defence strategy on Tracodern sessing to be working

The binds are esturated to this forgotten island and now the tourists can flock back too.

Parther Information, Investment



ECO-WARRIORS: Olive Press' Rob Horoan and Mirian Moreno with Salarte's Deborah Powell and





little-known water world. "We

hose to be able to affer there

the sume experience but at a

But harron and cotum forces are

fraction of the cost."

































https://time.com/5926780/chef-angel-leon-sea-rice/



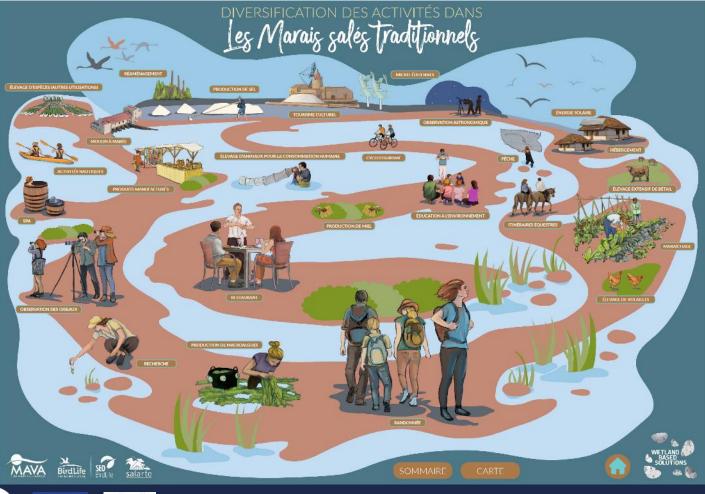
The dream of the restore abandoned saltpans and the *Z. marina* stocks by cultivation of eelgrass and use the grain for human food...





Let us look at the salt marshes with pride, hunger and enthusiasm...















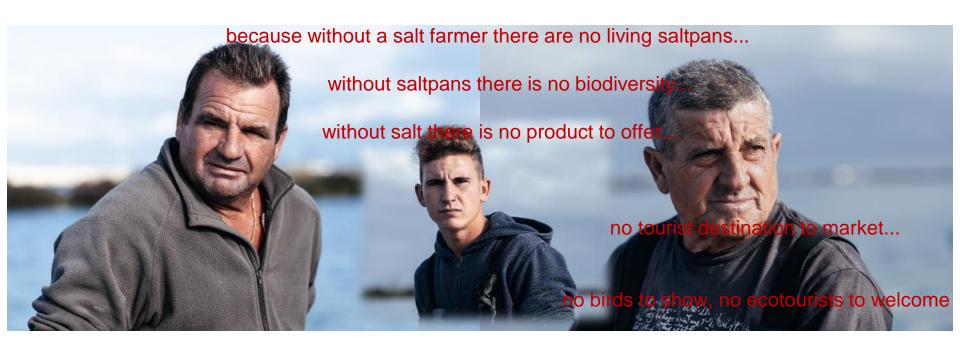
New products and revenues, economic diversification, knowledge of the world, innovation, ideas...



For running a saltpan network with a 21st century vision!

We manage gastronomy & eco-tourism as a tool for conservation

...but always for the benefit of the salt farmer and the fishermen...







THANKS FRANCE, FOR YOUR INSPIRATIONAL JOB REGARDING THE SALTPANS

















juan.martin@salarte.org

BirdLife Magazine April-June 2018 "Salt of the Earth"

http://magazine.birdlife.org/mag/0704373001522321698?feature=archive

GREPOM

Saltpans & Ponds: Socio-Ecosystems connecting lives

https://vimeo.com/352607104

SEE YOU AT THE CADIZ BAY!