



LEGACOOP
AGROALIMENTARE

Offshore wind energy and interactions with fisheries and mariculture. 2024

Update of activities related to alternative energy resources,
offshore wind farms and interactions with professional
fishing and mariculture activities.

with the support of

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Annual Report 2024. Intervenzioni di sezione (pagina successiva)

2024 DATA (IN 2023 THERE WERE A TOTAL OF 67 PLANTS)
BETWEEN 2023 AND 2024, THERE WAS A 26% INCREASE (+18 WIND FARMS)

OFFSHORE WIND PLANTS/PROJECTS IN ITALY

Operating plants	1
Approved projects	4
Projects awaiting MiC opinion	2
Projects under VIA/PUA	5
Scoping projects completed	47
Projects under Scoping	26
TOTAL	85

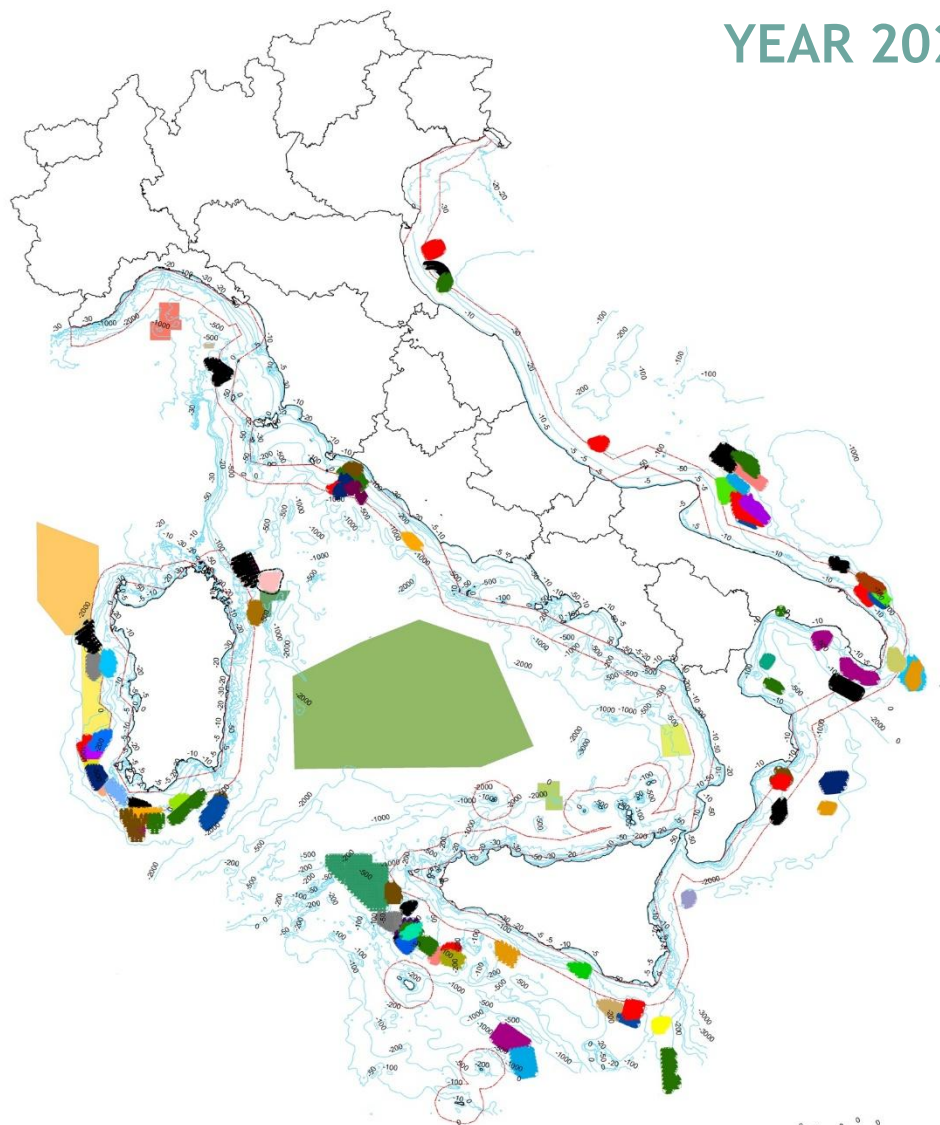
OFFSHORE WIND PLANTS/PROJECTS IN ITALY (regional distribution)

	Sardegna	Sicilia	Puglia	Lazio	Calabria	E. Romagna	Abruzzo	Basilicata	Toscana
Operating plants	0	0	1	0	0	0	0	0	0
Approved projects	0	1	0	0	0	3	0	0	0
Projects awaiting MiC opinion	0	0	2	0	0	0	0	0	0
Projects under VIA/PUA	2	0	1	1	1	0	0	0	0
Scoping projects completed	16	14	10	3	4	0	0	0	0
Projects under Scoping	5	7	7	3	1	0	1	1	1
TOTAL 2024	23	22	21	7	6	3	1	1	1
TOTAL 2023	18	18	16	6	6	3	0	0	0
DIFFERENCE	+5	+4	+5	+1	0	0	+1	+1	+1



Geolocation of offshore wind plants/projects and of Natura 2000 sites soon to be established

YEAR 2024



IMPIANTI EOLICI TOSCANA	IMPIANTI EOLICI SARDEGNA	IMPIANTI EOLICI EMILIA-ROMAGNA
✦ ATIS	✦ SARDINIA NORTH-WEST	✦ ROMAGNA 1
	✦ ICHNUSA WIND POWER	✦ ROMAGNA 2
	✦ NORA ENERGIA 1	✦ RIMINI
	✦ NORA ENERGIA 2	
IMPIANTI EOLICI LAZIO	✦ NUOVO PORTO PINO	IMPIANTI EOLICI ABRUZZO
✦ CIVITAVECCHIA A	✦ NURAX WIND POWER	✦ MEDIO ADRIATICO
✦ CIVITAVECCHIA B	✦ OLBIA-TIBULA	
✦ SEABASS	✦ MISTRAL	
✦ MONTALTO DI CASTRO 2	✦ OLBIA-CIVITAVECCHIA	
✦ MoDiCa	✦ ALG	IMPIANTI EOLICI BASILICATA
✦ TYRRHENIAN WIND ENERGY	✦ SARDEGNA 1	✦ JONIO
✦ ARDEA	✦ SARDEGNA 2	
	✦ REPOWER RENEWABLE	
	✦ SAN PIETRO NORD	POTENZIALI SITI NATURA 2000
IMPIANTI EOLICI CALABRIA	✦ DEL TORO 1	✦ BARONIE-K SEAMOUNT
✦ CALABRIA	✦ SAN PIETRO SUD	✦ CARETTA CARETTA
✦ KRIMISA	✦ DEL TORO 2	✦ COMPLESSO SISIFO-TIRO-ENARETE SEAMOUNTS
✦ ND SEA ONE JONIO	✦ SARDINIA NORTH-EAST	✦ HABITAT 1180
✦ FORTEVENTO	✦ SARDEGNA SUD 990MW	✦ MARE BOSA IGLESIENTE
✦ MINERVIA ENERGIA (A) e (B)	✦ SARDINIA SOUTH 1	✦ MARE NURRA
✦ REPOWER RENEWABLE	✦ SARDINIA SOUTH 2	✦ S. LUCIA BANK
	✦ WIND ALFA	✦ ULISSE SEAMOUNT
IMPIANTI EOLICI SICILIA	IMPIANTI EOLICI PUGLIA	
✦ CANALE DI SICILIA	✦ APENESTE	
✦ SICILIA A	✦ BARI NW	
✦ SICILIA B	✦ BELEOLICO	
✦ GELA	✦ KAILIA ENERGIA	
✦ AVENHEXICON SICILY SOUTH	✦ Odra ENERGIA	
✦ CALYPSO	✦ LUPIAE MARIS	
✦ ELYMO	✦ MESSAPIA	
✦ SICILIA 495MW	✦ NEREUS	
✦ MAZARA DEL VALLO	✦ PUGLIA 1	
✦ MAZARA DEL VALLO 2	✦ PUGLIA B	
✦ MAZARA DEL VALLO 3	✦ PUGLIA A	
✦ MDV	✦ BRN	
✦ OSTRO	✦ DGM GLOBAL	
✦ POZZALLO	✦ DORADA	
✦ REPOWER RENEWABLE	✦ ABEI-PUGLIA	
✦ SICLI	✦ BARIUM BAY	
✦ SEAWIND MAZARA	✦ SEAWIND BRINDISI	
✦ TRINACRIA	✦ PUGLIA 495W	
✦ MED WIND	✦ NEMETUN ISLAND	
✦ EURIBIA	✦ BRINDISI 2.0	
✦ RAGUSA		
✦ BLUWIND POZZALLO		



Sardinia

MARE NURRA
(Proposta di ZPS)

AVENHEXICON
SARDINIA NORTH-WEST

ACCIONA ENERGIA GLOBAL ITALIA
MISTRAL

MARE BOSA-IGLESIENTE
(Proposta di ZPS)

REGOLO RINNOVABILI
ALG

ICHNUSA WIND POWER

NINFEA RINNOVABILI
SAN PIETRO NORD

THALASSA WIND
THALASSA

INERGI
SARDEGNA SUD

REGOLO RINNOVABILI
SAN PIETRO SUD

SEAWIND ITALIA
DEL TORO 1

NORA VENTU
NORA ENERGIA 1

AVENHEXICON
SARDINIA SOUTH 1

REPOWER RENEWABLE

AVENHEXICON
SARDINIA SOUTH 2

AVENHEXICON
SARDINIA NORTH-EAST

NURAX WIND POWER

POSEIDON WIND ENERGY

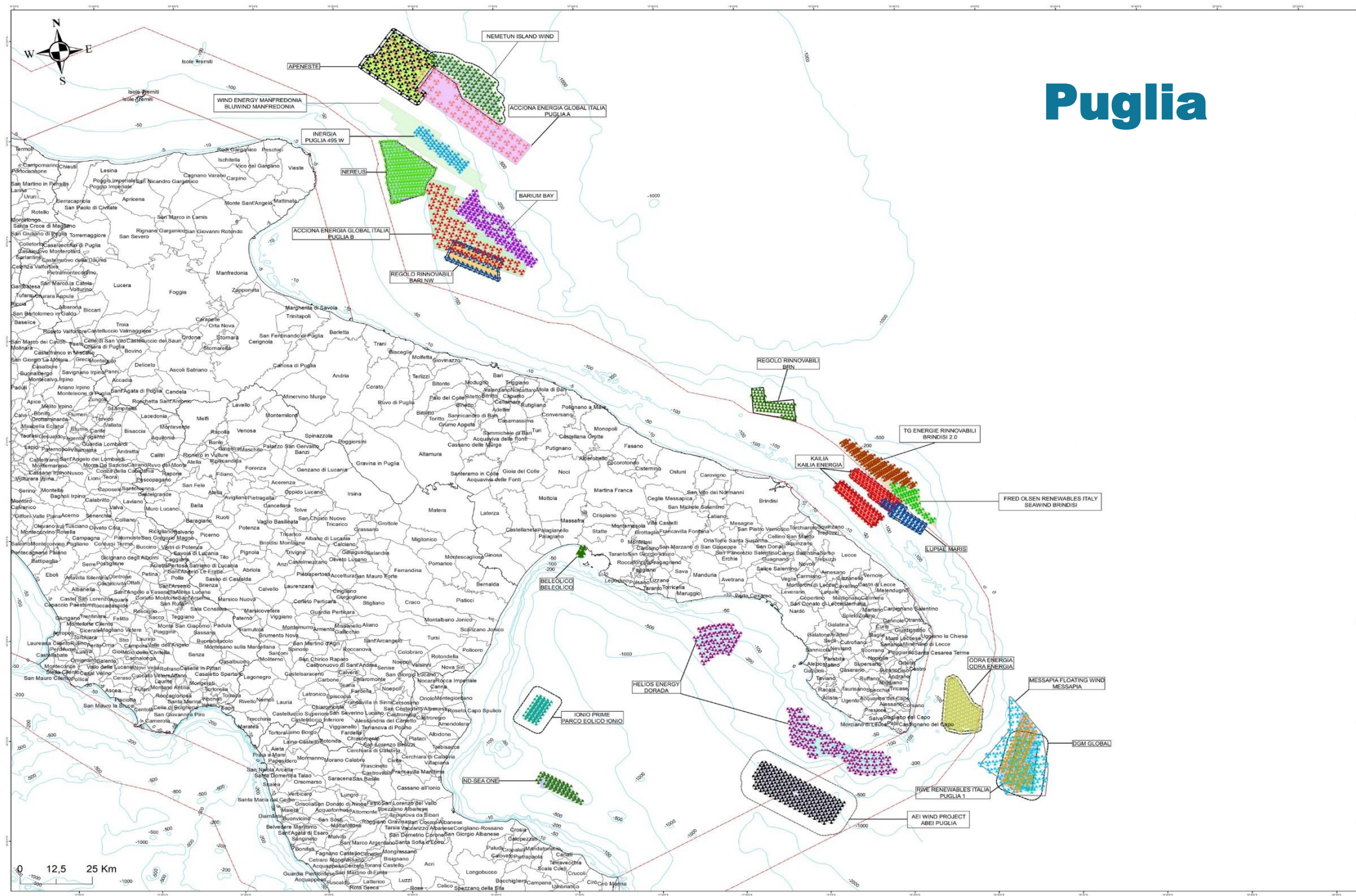
Sito Baronie-K Seamount

TIBULA ENERGIA
OLBIA - TIBULA

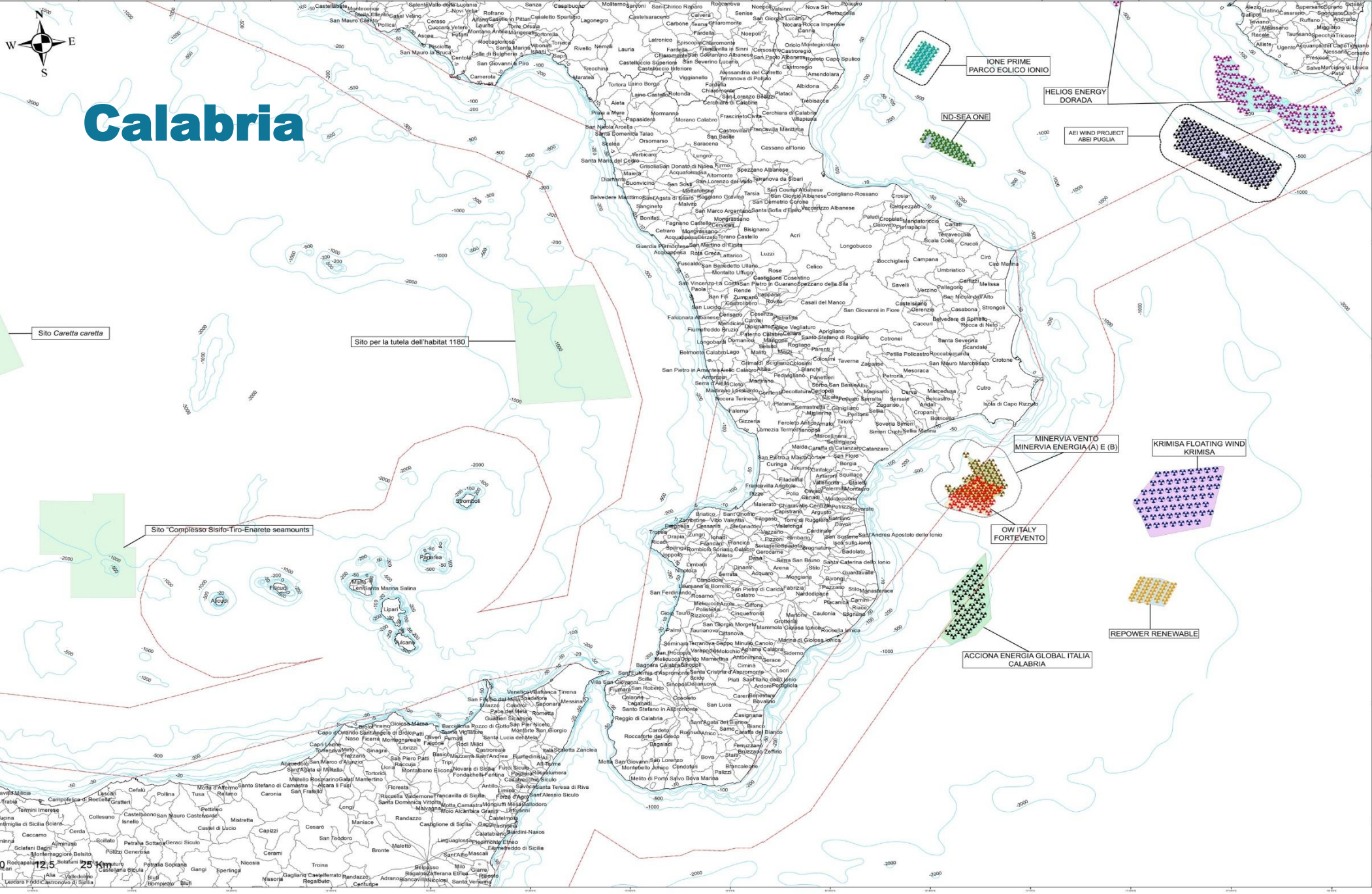
Sito Caretta caretta

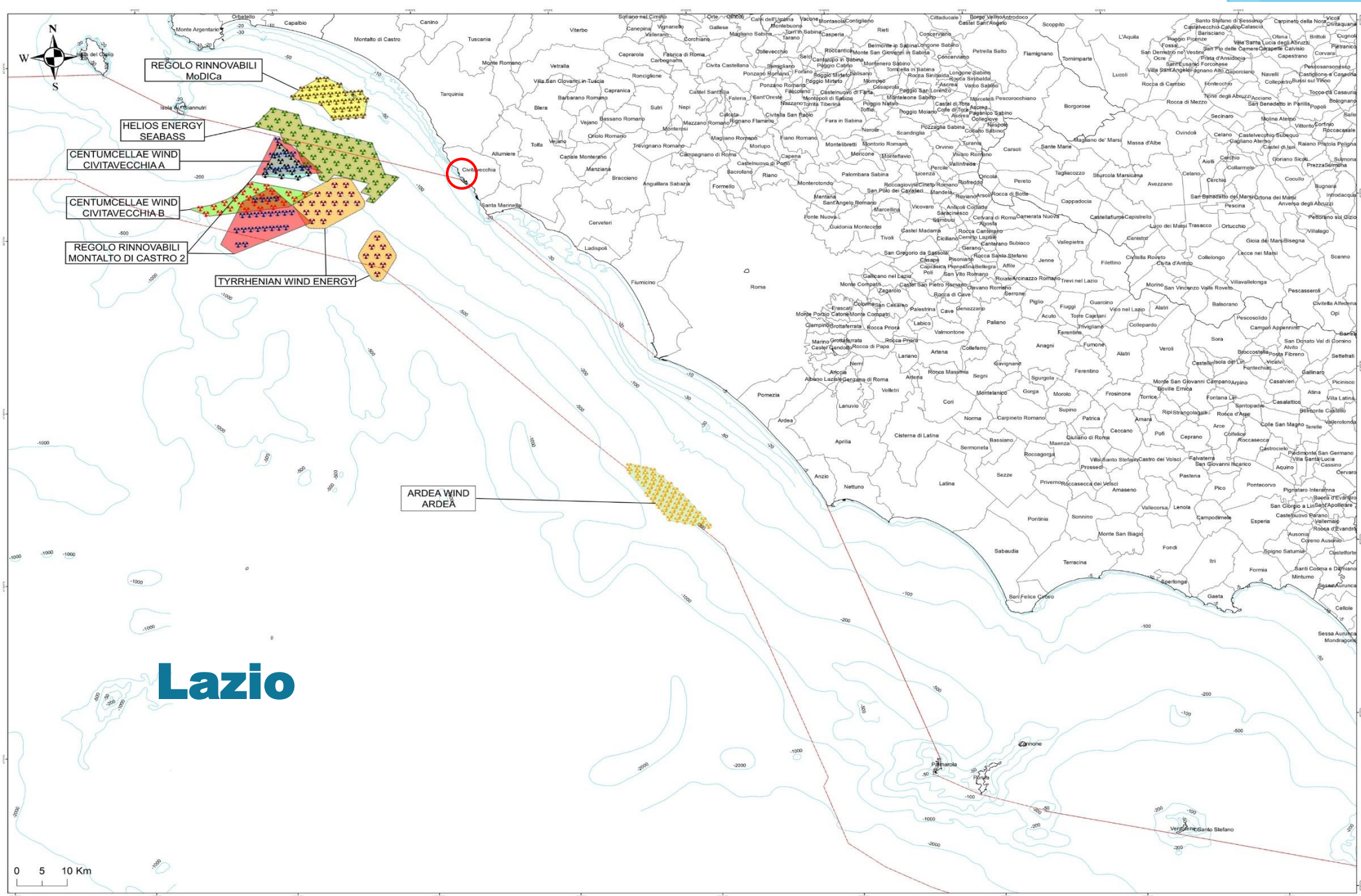
0 20 40 Km

Puglia

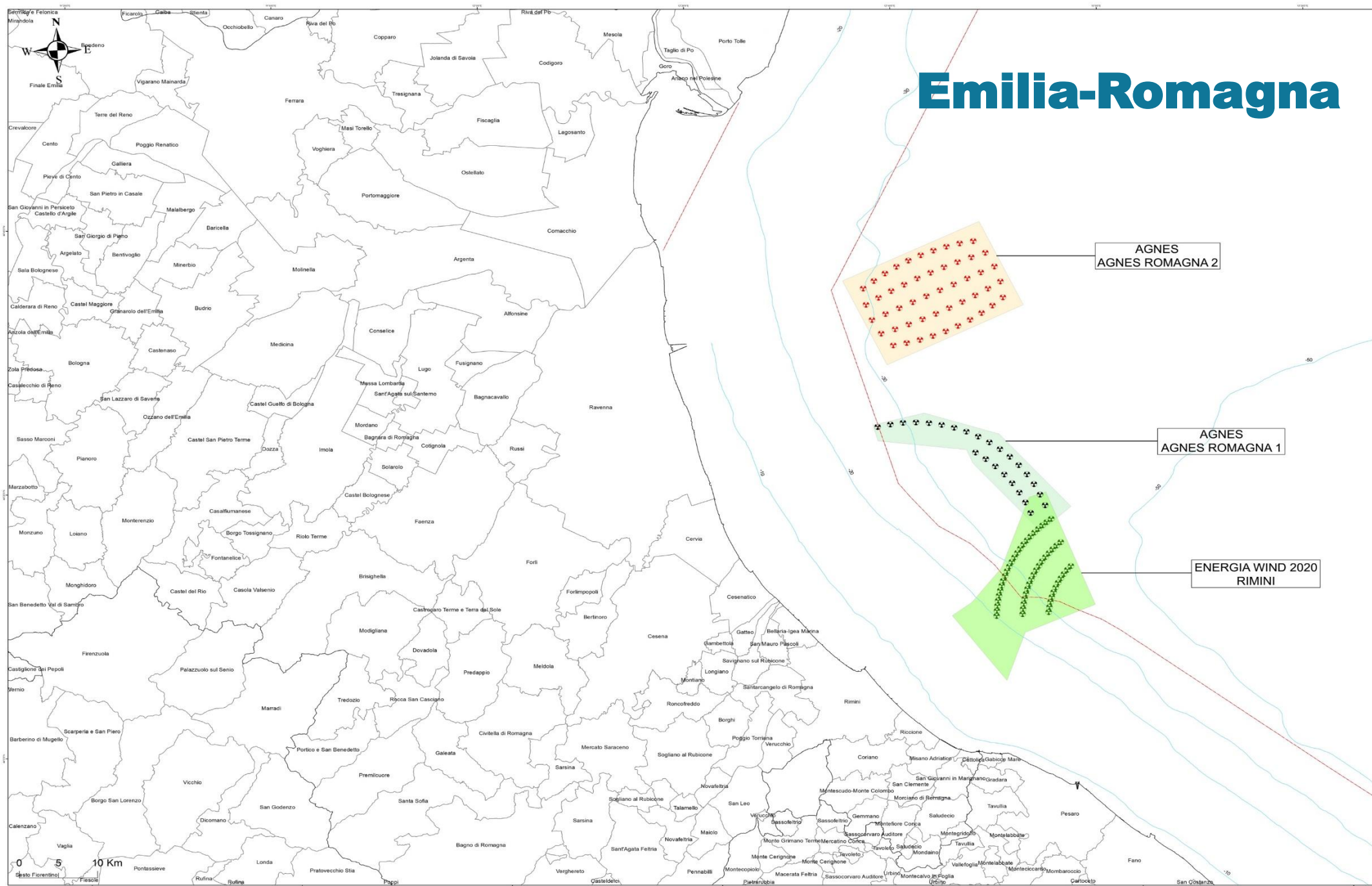


Calabria





Lazio

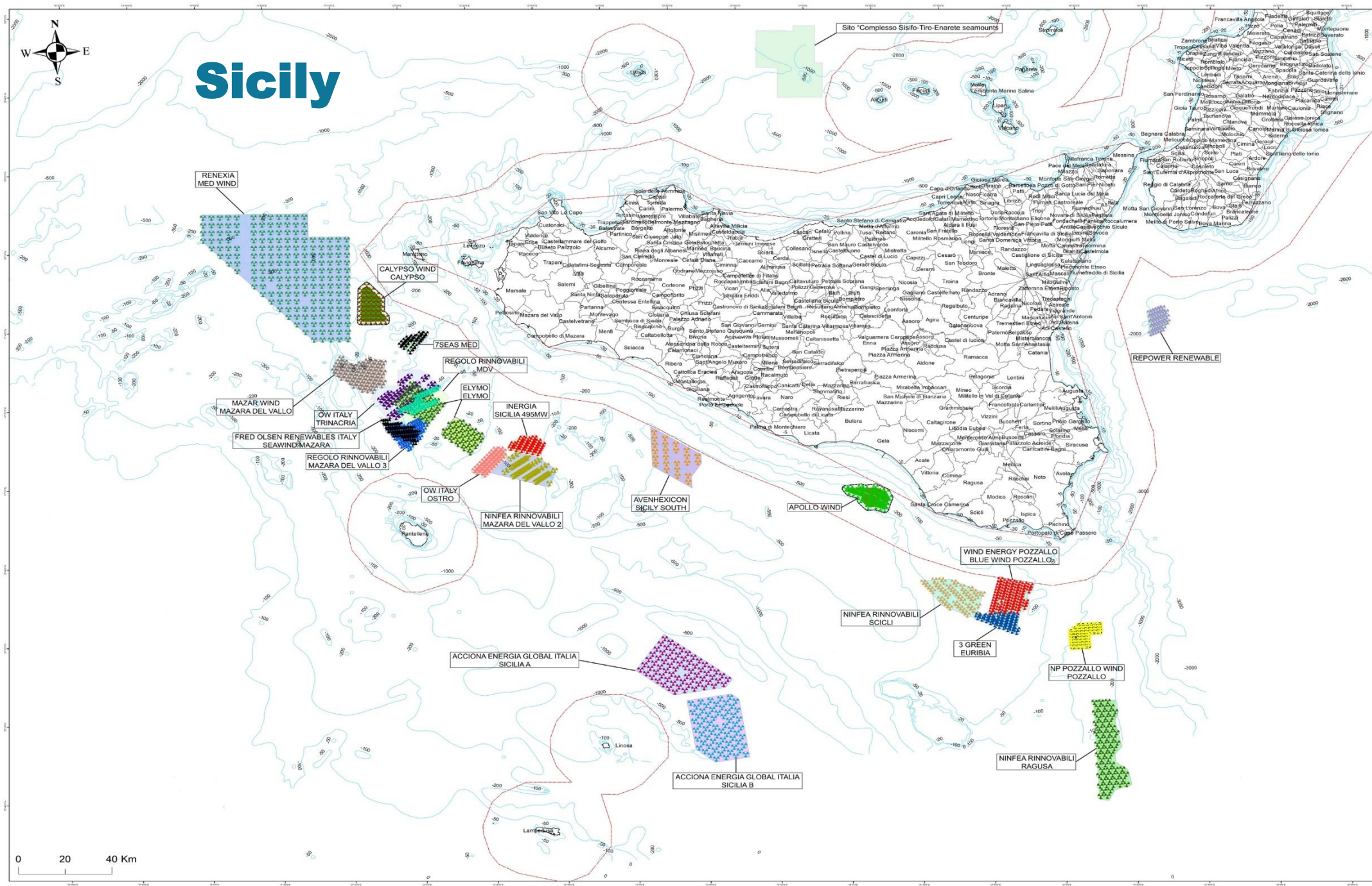


Emilia-Romagna

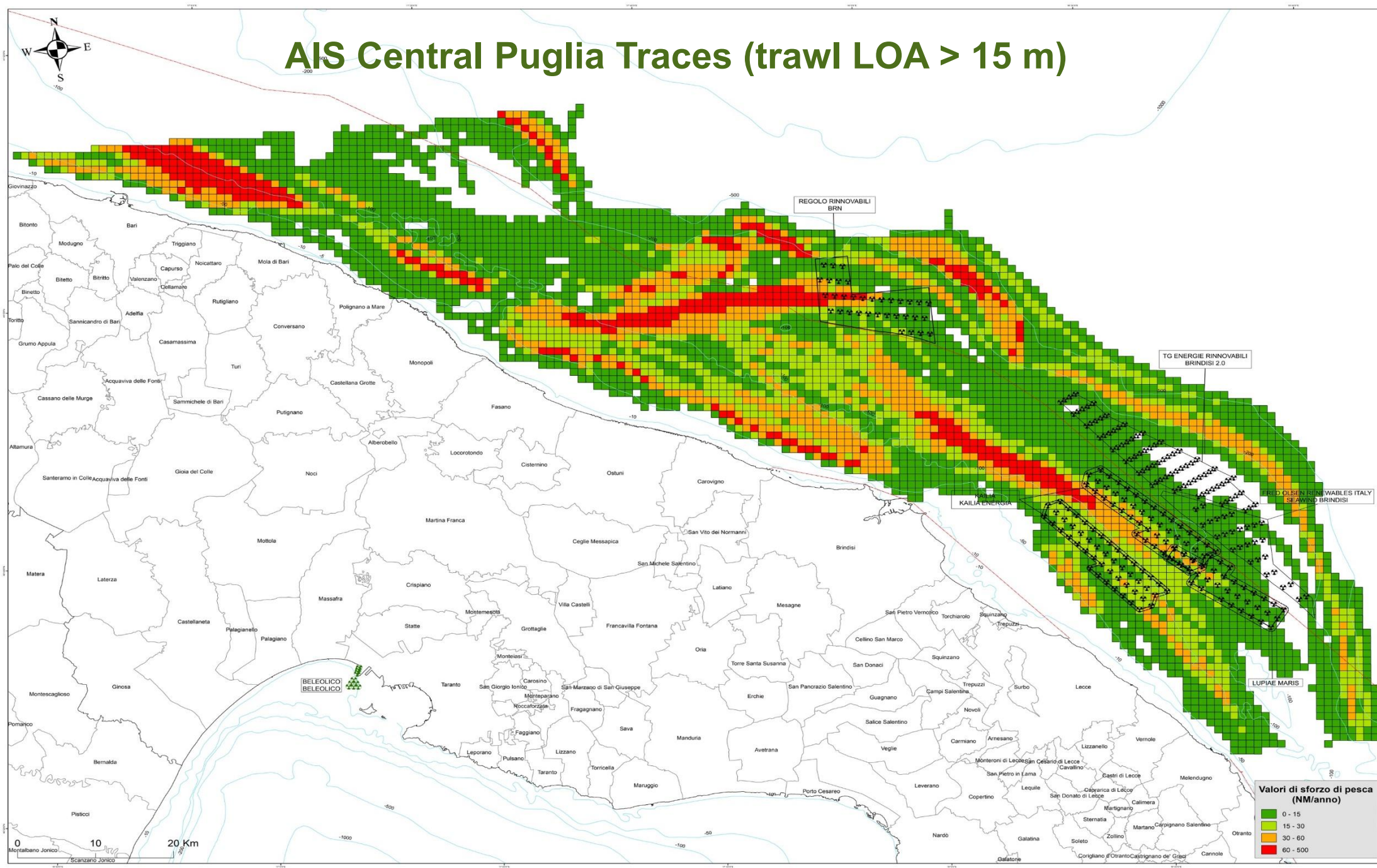
AGNES
AGNES ROMAGNA 2

AGNES
AGNES ROMAGNA 1

ENERGIA WIND 2020
RIMINI

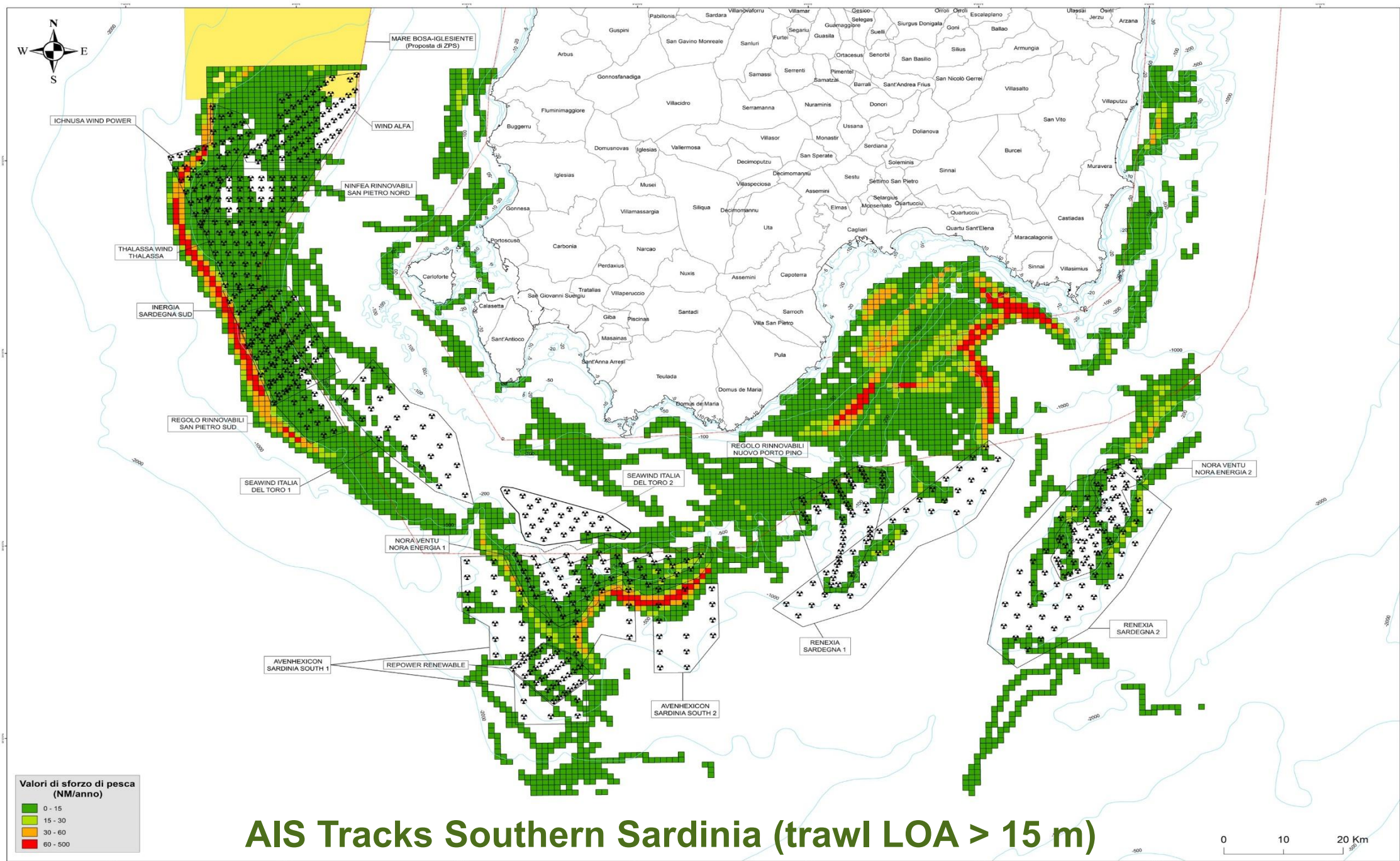


AIS Central Puglia Traces (trawl LOA > 15 m)

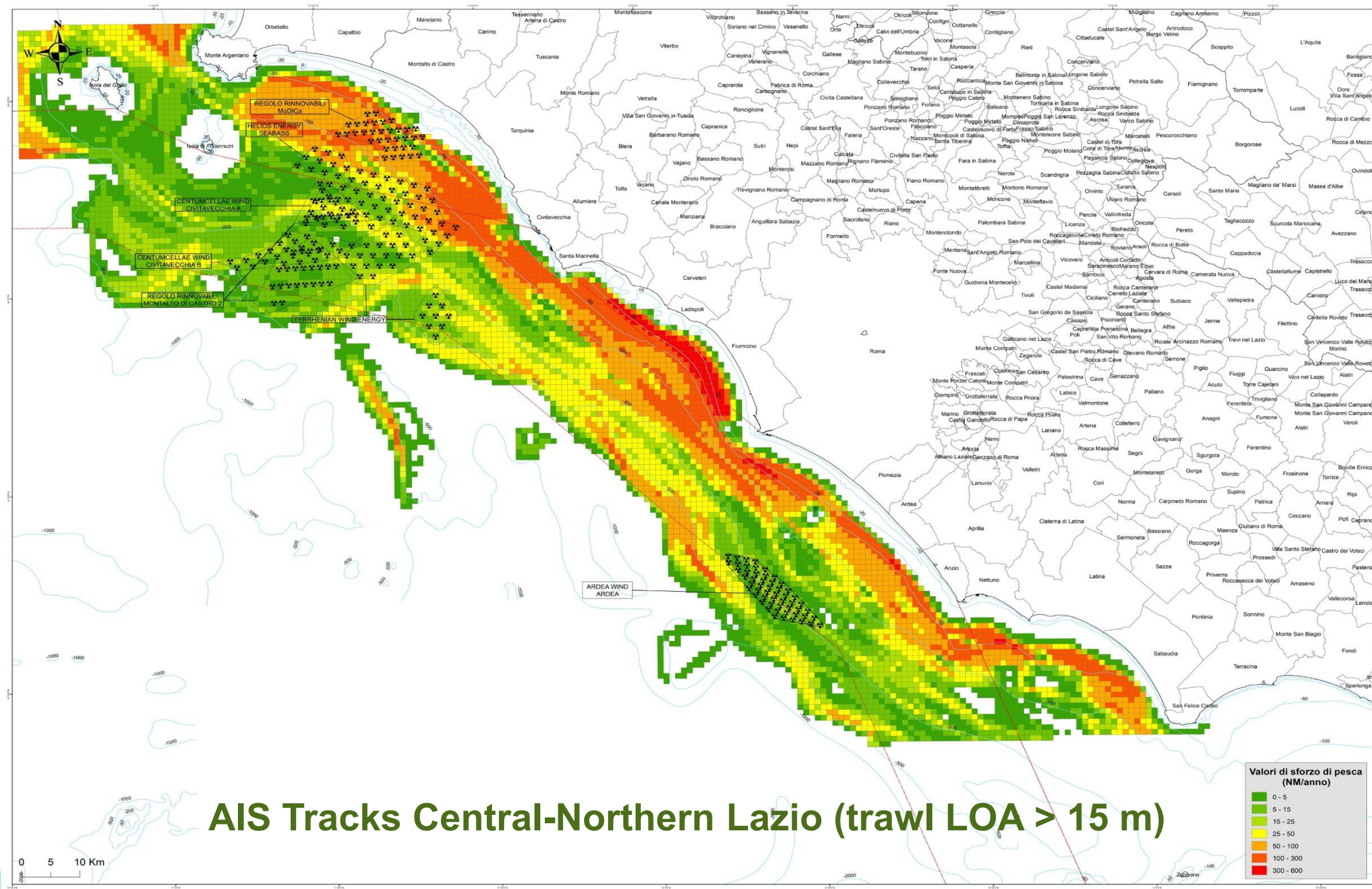


Italian fleet by gear type (source: FR-EU, 2024)

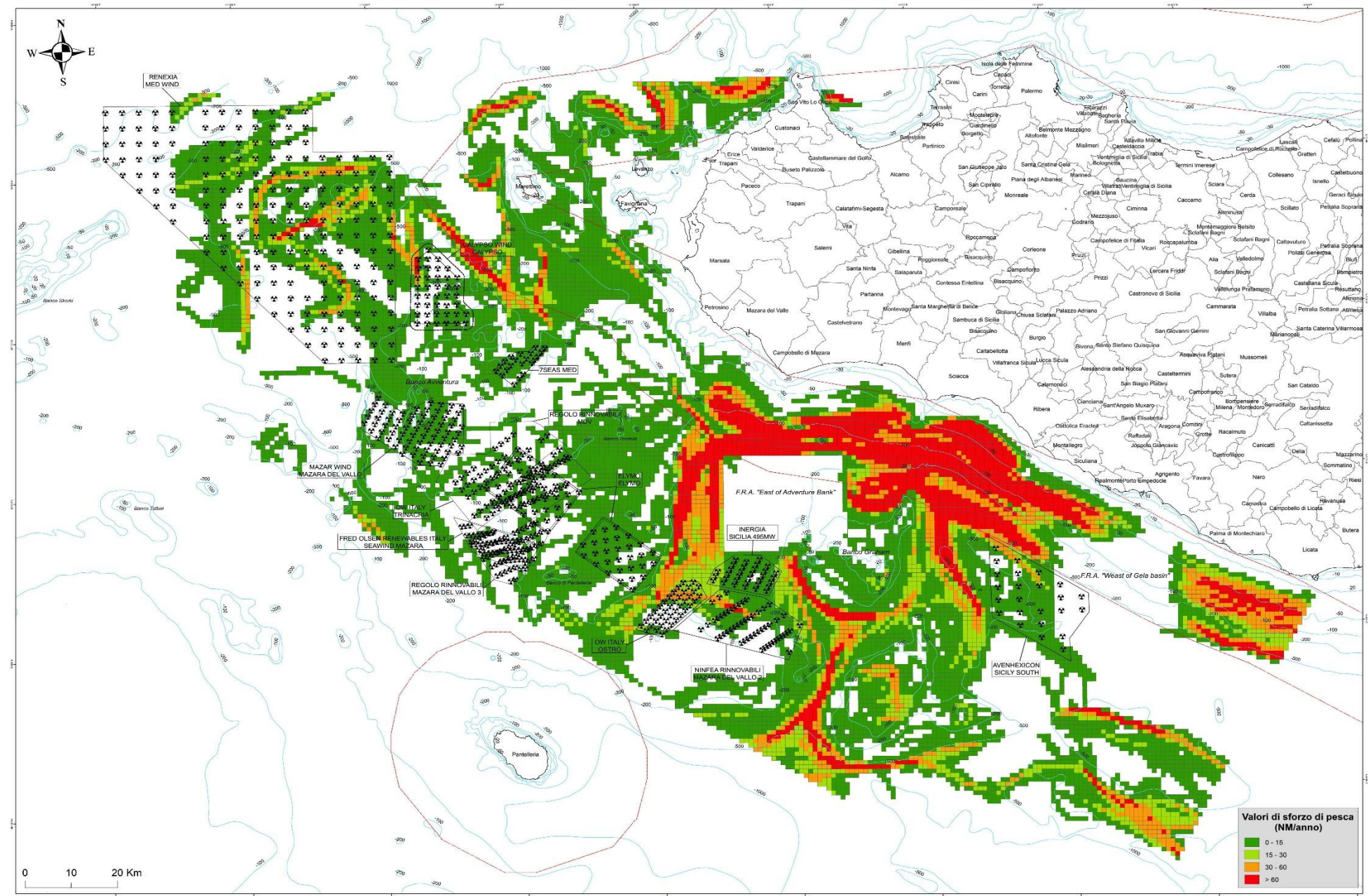
Year	Country	Main gear	Gear type	n	% of Total	Average LOA (m)	n° (LOA ≥ 15 m)	% of Total
2024	ITA		Others	16	0,13	9,13	5	31,25
2024	ITA	GND	Gillnets (drift)	126	1,03	7,81	99	78,57
2024	ITA	DRB	Dredge	731	5,96	13,26	61	8,34
2024	ITA	PS	Purse seine	1.874	15,27	9,48	1.404	74,92
2024	ITA	GNS	Gillnets anchored (set)	2.186	17,81	6,58	2.091	95,65
2024	ITA	OTB	Bottom otter trawl	2.442	19,90	17,04	1.339	54,83
2024	ITA	LLS	Set longlines	4.896	39,90	7,44	4.319	88,21
2024	ITA	Total		12.271	100,00	9,86	9.318	75,94



AIS Tracks Southern Sardinia (trawl LOA > 15 m)



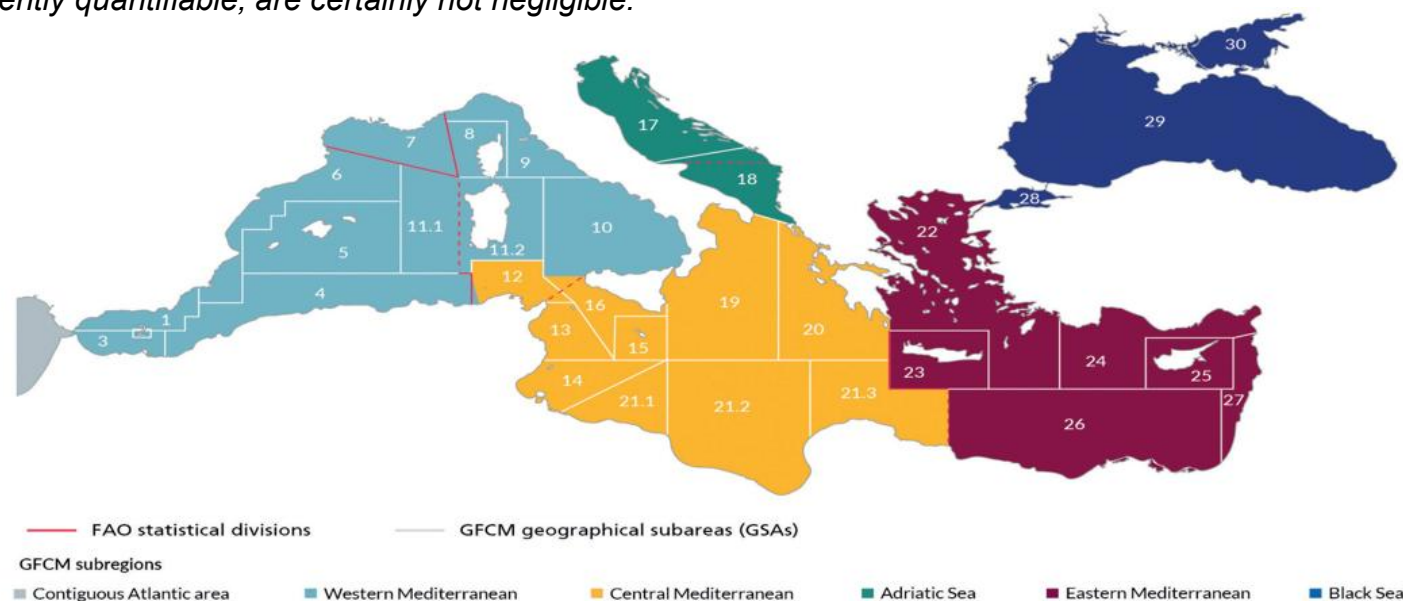
AIS Tracks Southwestern Sicily (trawl LOA > 15 m)



Area available for trawling in the different GSAs with and without offshore wind power.

GSA	Fruibilità strascico senza eolico (Km ²)	Area Eolico off-shore (Km ²)	Fruibilità strascico con eolico (Km ²)	Decremento %
9 Liguria and the North Tyrrhenian	27.102	947	26.155	-3,5%
11 Sardinia	19.488	4.792	14.696	-24,6%
16 Sicily	7.708	5.667	2.041	-73,5%
17 Northern Adriatic	12.857	595	12.262	-4,6%
18 Southern Adriatic	7.343	4.288	3.055	-58,4%
19 Ionian	6.470	1.222	5.248	-18,9%

Note: The areas shown in the table do not include those off-limits to fishing due to the cable ducts connecting wind farms to onshore terminals. These areas, although not currently quantifiable, are certainly not negligible.



Key Recommendations for Offshore Wind Farm Planning and Fisheries Integration



Incorporate both AIS data and input from fisheries associations using a bottom-up approach



Extend impact assessments to neighboring maritime districts, considering long-range fishing practices



Design cable protection systems that allow trawling to continue safely near energy infrastructure



Allow artisanal fixed-gear fishing within wind farm areas under safe and regulated conditions



Create navigation and trawling corridors within wind farm layouts



Provide financial tools to support insurance coverage for vessels operating near wind farms



Require biodiversity-enhancing structures as part of developer compensation measures



Promote mariculture within wind farm zones, assessing technical and legal feasibility



Ensure coordinated maritime spatial planning through dialogue with fisheries associations and the Ministry of Infrastructure and Transport

Thanks for your attention

