



WRTC2022
World Radiosport Team
Championship
Bologna Italy July 2023

WRTC2022 BOLOGNA ITALY JULY 2023



Con il patrocinio di Regione Emilia Romagna

Con il patrocinio del
comune di Castel San Pietro
Terme BO

WRTC IS NOT ONLY A COMPETITION

- WRTC is not only a competition: it is really one of the best occasions to meet each other. It is a meeting point.
- There is no other occasion to have all top testers together passing some days over a glass of wine.
- Everybody will be able to enjoy some excursions around Italy, enjoying the the culture, scenery and good food and wine.

Photo courtesy of EY8MM

Login

Reservation

TeamLeader - TeamMate - Referee

User type.. ▼

Email


Password

Login

Reservation

Visitors

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reCAPTCHA
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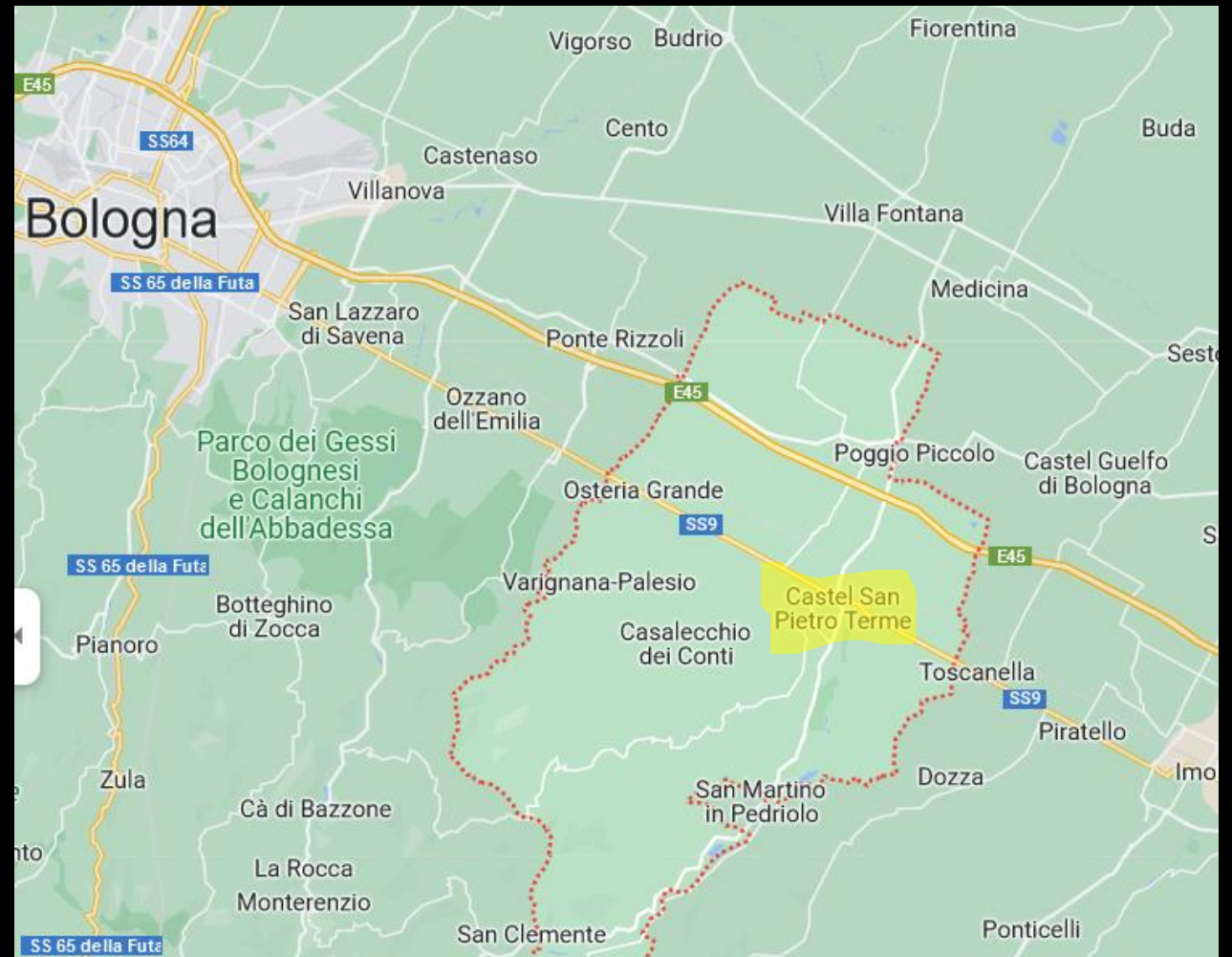
WHERE AND WHEN WILL WRTC TAKE PLACE ?

In July 2023 - postponed due to Covid19 - it will be in Italy, near the city of Bologna.

The HQ will be in the city of Castel San Pietro Terme, a small pleasant city just outside Bologna.

Castel San Pietro Terme is a Thermal city with many Hotels, restaurants, parks, services.

CSPT has an highway A14 exit and a railway station.



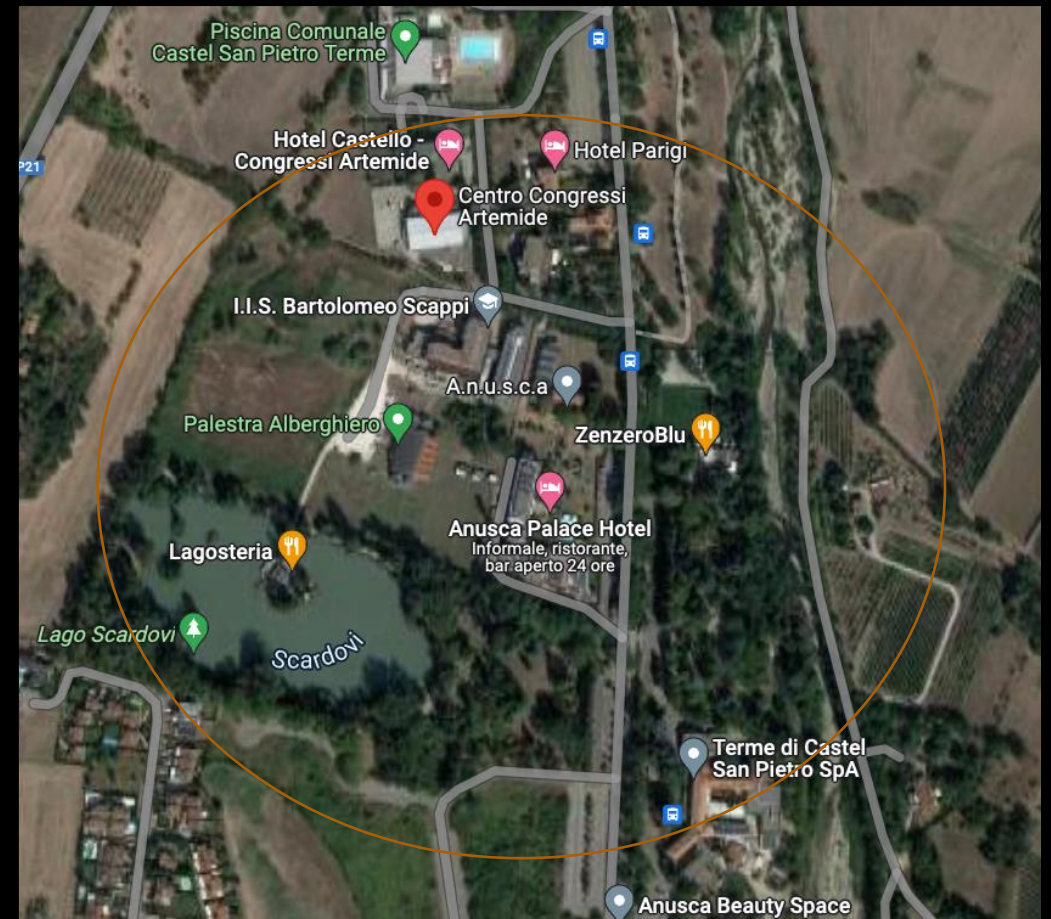
WHO WILL BE THERE ?

- This means that in Castel San Pietro Terme in 2023 we will have more than 180 hams, competitors and referees with many guests.
- We expect to have over 700 people from more than 40 different countries.
- Bologna BLQ is the nearest international airport that is easily accessible from Milan and Rome and from the main European airports.
- Bologna has one of the main Italian railway stations and can be reached from every part of the national territory in a few hours. From here a regional train reaches CSPT in 20 minutes.



THE WRTC HEADQUARTERS

- more than 250 rooms are available within a 250 meter radius
- A congress center for 800 peoples in the middle of the area
- Parkings, pools, thermal pools, a 18 holes golf course, lake and river side all around.



LODGING AND HOSPITALITY

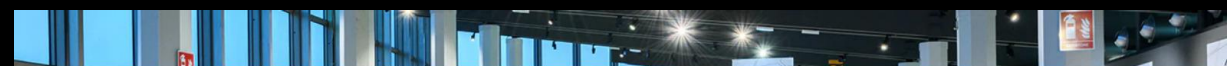
- 2 x 4**** hotels
- 2x 3 *** hotels
- other hotels , B&B, and apartments available in the area
- Congress center for 800 people
- Halls for meetings with competitors and referees
- Reservation procedure will be available on our web site



BOLOGNA

WHERE EVERY DAY IS SPECIAL

- **HISTORY** – Experience medieval Bologna's downtown area
- **FOOD** – Enjoy wine, parmigiano reggiano, pasta, ham, balsamic vinegar...
- **RADIO** – Visit Marconi's house and radio museum
- **FAST AUTOS** – Tour Lamborghini, Ferrari, Maserati and Ducati factories and museums



THE STATION SETUP

- At the beginning of 2021 Krassy K1LZ made an important donation of all antennas to WRTC2022
- The LZ Antenna special edition LZA 7-3 7 elements:
 - 2el for 20 meters,
 - 2el for 15 meters
 - 3el for 10 meters,
 - balun and drop with a single cable at 50 ohm.
- 14 MHz - 11.96dBi, F / B 15.74dB 21 MHz - 12.29dBi, F / B 15.36 dB 28 MHz - 13.1 dBi, F / B 17.87 dB

WRTC2022 presentation @ CTU Montichiari 2023



12:13

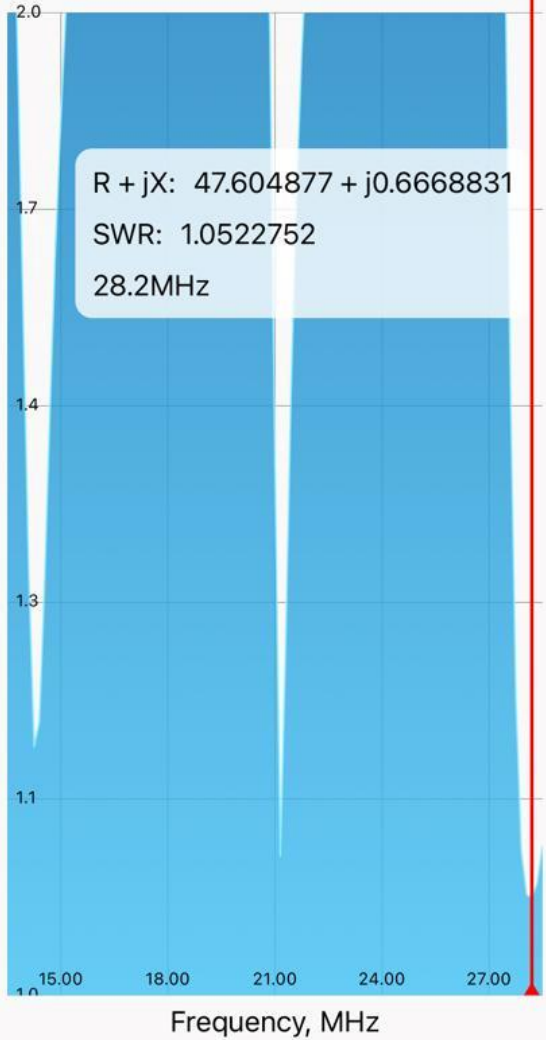
4G

AntScope

SWR chart

Settings

Start



TESTING WRTC'S ANTENNAS

- All antennas have been stored near Bologna and pre assembled by a group of volunteers.



THE FINAL ANTENNA SETUP

The complete kit:

- triband antenna LZA-7-3 A , 7 elem 3kw
- 2 x dipoles for 40 and 80 by MOMOBeam
- 11m square telescopic pole,
- Yaesu G450 rotator, with 50m cable
- 3x50m M&P cables with connectors
- 100m ropes and accessories by Mastraant

will be sold on our web site with a minimum donation of Euro 1500.



THE TELESCOPIC POLE

- The WRTC 2022 Tower has been a critical decision: the price of material has increased, manufacturers have increased their cost, shipping cost rose up, availability was not insured for our timeline.
- we decided to invest in the purchase of the materials needed to build the towers in Italy
- Thanks to Antonello IT9EQO, with his company it allows us to be able to build the Towers in due time.





THE SITES SEARCH

The great plane near
Bologna Ferrara Modena
Ravenna.

THE SITES

We are getting agreement with Agriturismi (such as B&B) situated on a farm. There are hundreds of its located in the plain between Bologna Modena Ferrara and Ravenna.

On the left Az. Agricola Mongiorgi BO on the right Az. Agricola Massari RA

The Agriturismi offer hospitality in rooms with private bathroom, meals, electricity, wifi connection. We plan to host the two competitors, the referee and two people from the technical staff from Friday morning to Sunday afternoon.

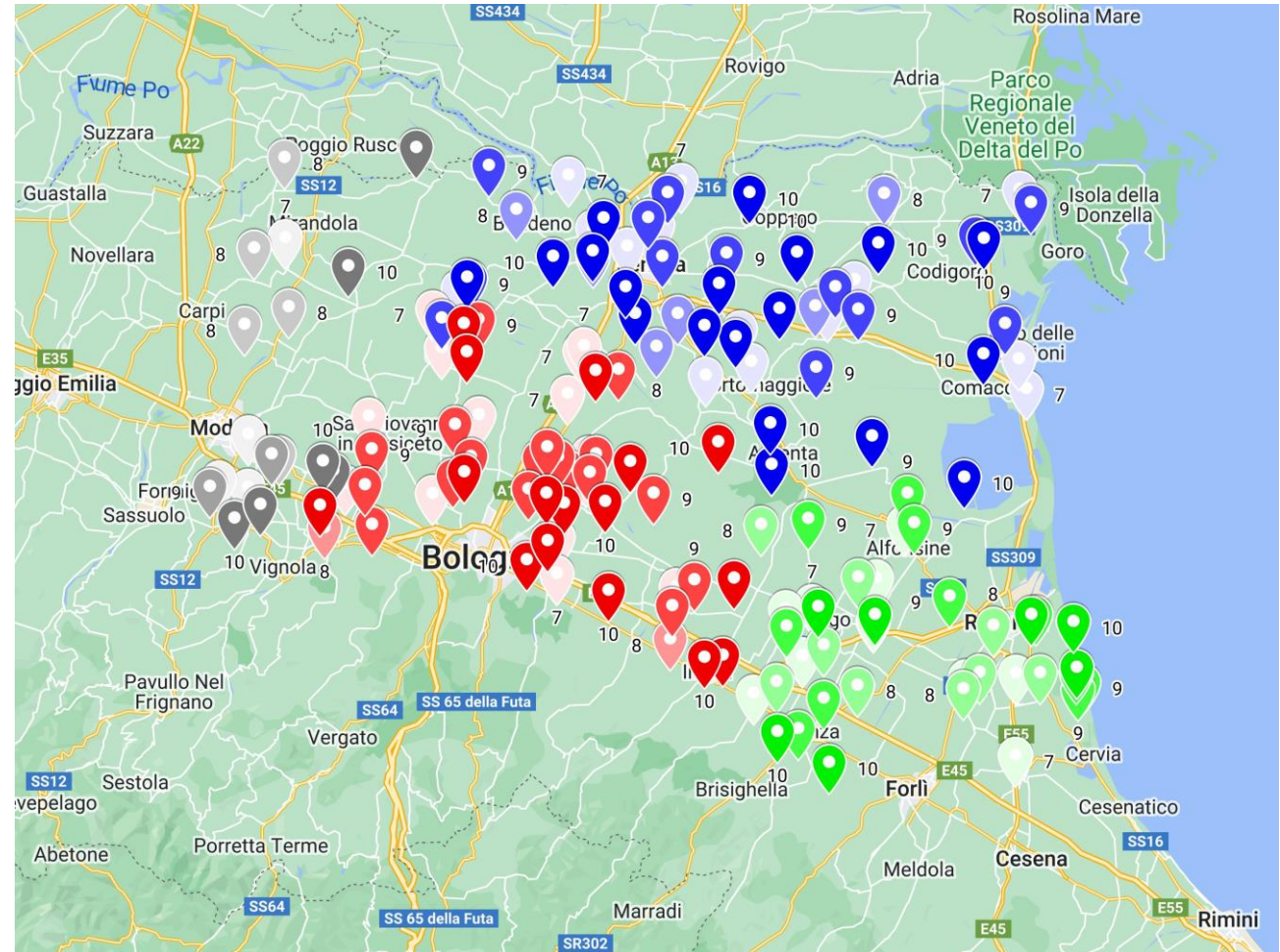


THE SITES

More than 130 sites selected near :

- Bologna (red)
- Ferrara (Blu)
- Ravenna (green)
- Modena (Grey)

An agreement with these associations is in progress.



THE WRTC'S STATION



A team made up of two operators (a Team leader who has chosen his team-mate)

Identical 100w stations located in similar sites to eliminate locational advantage.

All operations will be refereed by impartial hams.

Operation in Multi-2 without external assistance (PCL or sub-receiver reception)

Five sponsored teams, six youth teams and some wild card teams

Photos courtesy of EY8MM

THE STATION SETUP

- **ANTENNAS**
 - Triband yagis -2L 20/15m, 3L 10m –By LZ-Antenna donated by Krassy K1LZ
 - Inverted V Dipole 40 meters by MOMObeam
 - Inverted V Dipole 80 meters by MOMObeam
- **COAX & CABLES** – Italian manufacturer Messi & Paoloni will supply more than 10km cables and connectors
- **MASTS** – Homemade steel sliding towers with winch 3 -11m
- **ROTORS** – G450 purchased by the organization
- Mechanical needs, like masts, ropes, for the system will be provided by Mastrant.




SPECIAL TEAMS

Defending Champions	1	WRTC2018 Champions Gediminas Lucinskas, LY9A Mindaugas Jukna, LY4L
Youth Team	6	Under age 25 at WRTC 2022 Selected
Sponsored Team	5	
Wild Card Teams	4	Selected



WRTC2022 FOR YOUTH

Youth teams

	 TL		 TM	Sponsored by	
YT1	YL3JA	Kristers	UR5YKO		
YT2	M0SDV	Jamie	DK6SP	Philipp	G0CKV and friends
YT3	YU5EEA	Ljubomir	YT0C	Janko	
YT4	R6KVA	Viktor	RA9P	Aleksey	
YT5	W4IPC	Connor	KC1KUG	Brayden	Potomac Valley Radio Club (PVRC)
YT6	DL3ON	Leon	EI5LA	Megan	Florida Contest Group (FCG)



- **6 youth team leaders have been selected**
- Applicants born after July 14, 1997 with the highest Qualification Score worldwide
- **Please consider a donation for youth station sites.**

THE QUALIFICATION PROCESS

- Qualification criteria as been published at the end of 2018.
- 24 events that have been included in the qualifiers for WRTC2022 from ARRL CW 2019 to WWDX CW 2020
- We have processed over 110,000 entries. Over 29,600 YL and OM entered the rankings.
- Thanks to all contest managers for their invaluable help in providing us with the rankings of individual events.
- During 2020, many were unable to participate in the usual multi-operator contests or were unable to reach their contest stations away from home.

Country	Total Points	Operators	Total Entries
 K - United States	2873830	7365	25817
 UA - European Russia	736347	1479	5781
 DL - Fed. Rep. of Germany	617986	2040	7333
 UA9 - Asiatic Russia	420710	628	2600
 I - Italy	414961	1374	4172
 BY - China	388779	549	1727
 JA - Japan	366769	1699	6687
 VE - Canada	341278	693	2407
 PY - Brazil	288259	660	2134
 F - France	246594	573	1739
 EA - Spain	238741	771	2219
 SP - Poland	208347	1011	3169
 LZ - Bulgaria	205606	240	1005
 UR - Ukraine	201171	610	2521
 G - England	165727	842	2214
 HA - Hungary	151574	229	930
 OK - Czech Republic	149248	438	1526
 S5 - Slovenia	142693	211	868

EU TEAMS

EU1	LY7Z	Andrius	LY	LY9Y	Jurgis
EU1	ES2RR	Toivo	ES	ES5TV	Tõnno
EU10	IZ8JAI	Domenico	I	IZ8FWN	Pietro
EU2	GD4XUM	Martin	GD	G3NKC	Dave
EU2	RL5D	Oleg	GU	OR2F	Llubomir
EU3	SP7GIQ	Krzysztof	SP	SP7IVO	Boguslaw
EU3	DJ5MW	Manfred	DL	DL1IAO	Stefan
EU3	DL5AXX	Ulf	DL	DL7FER	Felix
EU4	R2AA	Evgenii	UA	RN3QO	Sergey
EU4	RA3CO	Dmitry	UA	RL3FT	Yury
EU5	EC2DX	IMANOL	EA	CT1ILT	FILIPE
EU6	F8DBF	Sebastien	F	F1AKK	OLIVIER
EU7	IZ1LBG	Filippo	I	IK3QAR	Paolo
EU7	9A7DX	VEDRAN	9A	9A3LG	ZVONIMIR
EU7	S53MM	Matija	S5	S57K	Sandi
EU8	UB7K	Andy	UA	RW7K	Andy
EU8	UR0MC	Roman	UR	US2YW	Vyacheslav
EU9	E77DX	Emir	E7	E70T	Vlado

NA TEAMS ARE READY

NA1	K5ZD	Randy	K	W2SC	Tom
NA1	NN1C	Martin	K	KG5HVO	Bryant
NA10	NG0C	Charlie	K	AC0W	Bill
NA2	VA2EW	Gilles	VE	VA2WA	Victor
NA3	KD4D	Mark	K	KE3X	Ken
NA3	NN3W	Richard	K	N3QE	Tim
NA4	NE9U	Scott	K	K9CT	Craig
NA4	W9RE	Mike	K	N9NB	Ted
NA5	K4AB	Larry	K	K4BAI	John
NA6	K5GN	Dave	K	N4YDU	Nate
NA7	KU1CW	Alex	K	K2PO	Bill
NA8	VE5MX	Einar (Todd)	VE	VE3EJ	John
NA9	KI6RRN	Axel	K	N5ZO	Marko

AFRICAN, ASIAN, CARIBBEAN TEAMS

AF1	EA8RM	Juan Jesus	EA8	EA2W	JON
AF2	5T5PA	Johannes	5T5	KF5EYY	Ashraf
AF3	ZR2A	Ulrich	ZS	DL9EE	Holger
AS1	R8CT	Oleg	UA9	UA4FER	Igor
AS2	RM9I	Oleg	UA9	RU9I	Sergey
AS3	4X6FR	Zvi	4X	4X1DX	Seth
AS4	BA1RB	Bin	BY	BA4TB	Disong
AS5	VR2XAN	Alberto	VR	IK2PFL	Luca
AS6	E21EIC	CHALERM POL "CHAMP"	HS	E29TGW	WEERAPAT "MEW"
AS7	JH5GHM	Katsuhiko	JA	WA1Z	Bob
AS7	JA1BJI	Taro	JA	JR2GRX	Hajime
CA1	NP4Z	Felipe	KP4	N2NT	Andrew

OCEANIA AND LATIN AMERICA

OC1	9M6NA	Saty	9M6	K5WA	Bob
OC2	AD6E	Alan	KH6	K6XX	Bob
OC3	ZL3CW	Jacky	ZL	VK2IA	Bernd
SA1	W2GD	John	P4	AA3B	Bud
SA2	FY5FY	Didier	FY	F4DXW	Stephane
SA3	CE2LR	Mathias	CE	CE3CT	ROBERTO
SA4	PY2NY	Vitor	PY	PC3T/PY2SEX	Alexandre

DONOR TEAMS



UTL

KO8SCA Adrian

AD5A Mike

4O3A Ranko

RA5A Leonid

UW7LL Yaroslav



UTM

S55M Adi

AB5EB Mike

YT6W Ranko

UA5C Alexandr

VE3DZ Yuri

- A special thanks goes to our donor teams for their decisive contribution to WRTC2022.

-

WILD CARD TEAMS

Wild Cards



TL

OM3BH Rastislav

SV2DSJ Panagiotis (Panos)

LZ2SX Boyan

LZ5DB Milen



TM

OM3GI Jozef

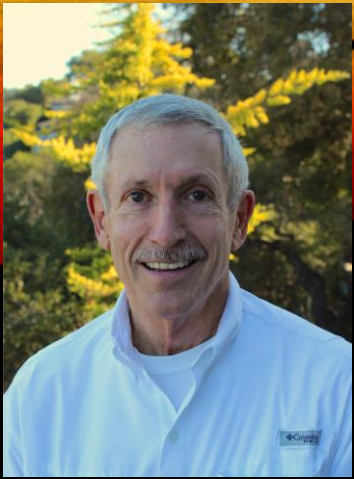
LZ3FN Christo

LZ4AX Alexander

LZ3ZZ Aleko

Wild Card teams are reserved for the WRTC2022 Organizing Committee to acknowledge exceptional efforts within the pool of applicants that did not otherwise qualify.

The WRTC2022 organizing committee would like to thank these stations for their participation in the qualifiers, for their excellent results or for their help to the organization.



THE JUDGING COMMITTEE



CALL	NAME	COUNTRY
W6OAT (President)	Rusty Epps	United States
N6TR	Larry Tyree	United States
PY5EG	Atilano OMS	Brasil
UA9MA	Gennady Kolmakov	Asiatic Russia
S50A	Tine Branjnik	Slovenia
I4UFH	Fabio Schettino	Italy



The schedule



Giorno	Data	Inizio	Fine	Evento	Location
Tuesday	July, 4	08:00	21:00	Check in(Competitors, Referees, Judges, Visitors)	HQ Hotel
Wednesday	July, 5	08:00	11:00	Meeting with Competitors / Referees / Judges	HQ Hotel
		14:00	18:00	FCC license exams	HQ Hotel
		10:00	18:00	Sponsor exhibition	HQ Hotel
		11:30	18:00	Tour (TBD)	
		20:00	23:00	Opening ceremony and night show	Artemide Hall
Thursday	July, 6	08:00	11:00	Meeting Competitors / Referees	HQ Hotel
		14:00	15.30	Meeting Referees	HQ Hotel
		14:00	15.30	Meeting Competitors	HQ Hotel
		08.00	17.00	Tour (TBD)	
Friday	July, 7	08:00	09:00	Meeting Competitors / Referees	HQ Hotel
		09:00	12:00	Station Draw	HQ Hotel
		12:00	00:00	Station Setup	Siti WRTC
Saturday	July, 8	08:00	13:00	HQ Warming UP	HQ Hotel
		14:00		WRTC Competition starts	Siti WRTC
Sunday	July,9		14:00	WRTC Competition ends	Siti WRTC
		20:00	23:00	The Ham Radio Party sponsored by the Municipality	HQ Hotel
Monday	July,10	19:00		Closing ceremony with award dinner	Artemide Hall
Tuesday	July, 11	08:00		Check out departure day	HQ Hotel

LET'S KNOW A BIT MORE ...

Of course the object of this presentation is:

- 1) Stimulate everybody to participate in WRTC 2022 as volunteer or visitor.
- 2) Consider donations for this project.
- 3) All visitors and guests will be welcome. Booking your Hotel on our WEBSITE .
- 4) Participate in the IARU contest 2023, look for WRTC stations and send your logs also to the WRTC committee to help competitors log checking.

BE A VOLUNTEER

The activity of volunteers before, during and after the WRTC is essential for the conduct and success of the event. You will have the opportunity to spend a few days with the best testers and Dxpeditors from all over the world. It will be an amazing experience.



- Antenna setup
- IT networking
- Media
- Site manager
- Logostic
- Reception
- Transport of partecipants
- Secretariat

Sezioni, e non solo, al WRTC - Attività

The collage features several images with labels: 'Media' (a person with a camera), 'IT and Networking' (a person at a computer), 'Accomodation Manager' (a person holding a sign), 'Antenna pre assemblaggio' (a person working on an antenna), 'Segreteria' (a person at a desk), 'Partecipa al WRTC!' (a person in a blue shirt), 'Accoglienza' (a person in a blue shirt), 'Antenna SETUP' (a person working on an antenna), 'Logistic' (a person in a blue shirt), and 'Site manager' (a person in a yellow shirt). The WRTC 2022 logo is in the top right, and the Italian Contest Club logo is in the bottom right. The email 'volunteers@wrtc2022.it' is at the bottom left.

WRTC 2022 BOARD OF DIRECTORS

	Name	Call	e.mail
President	Gianluca Mazzini	IK4LZH	ik4lzh@wrtc2022.it
Vice President	Fabio Schettino	I4UFH	i4ufh@wrtc2022.it
	Luca Aliprandi	IK2NCJ	ik2ncj@wrtc2022.it
	Antonello D'Asta	IT9EQO	it9eqo@wrtc2022.it

HOW CAN WE DONATE ?

- Directly on our web site :

WWW.WRTC2022.IT Donations

- Dona il tuo 5 per mille
- Support and help a WRTC2022 station site in 2023
- Promote a fundraiser in your contest club to support a WRTC2022 station site

WRTC 2022 Donors



 AA3B Joseph W Trench	 K5WA Robert R Evans	 N5KO Robert H Garlough	 NX4N Chris Blake	 PY5EG ARAUCARIA DX GROUP
 W2GD John Crovelli	 W2RE W2RE - WW2DX - WWIX			



 BA1RB Fan Bin	 CT7ABD Fabiano Moser	 DJ5NN Sten	 DL5AXX Ulf Ehrlich	 DL8DYL Stieber, Irina
 DL9EO Ron	 E2IEIC Champ C. Muangamphun	 I4UFH Fabio E Schettino	 I4VEQ Claudio Veroli	 K2PO William Y Corwell
 K5KG George I Wagner	 K9CT Craig A Thompson	 KH6CJJ Kent Carlson	 KU1CW Alex Tkatch	 M0CFW (JK3GAD) Kazu Watanabe
 OH4KA Kari	 VA2EW Gilles Renucci	 YDIRYX HENDRO WIYONO	 ZR2A Ulrich Ann	

SUPPORT AND HELP A WRTC2022 STATION SITE IN 2023

- Donate € 1200 and you, or your Club, will finance facilities for the station's equipment and will be visible on the station site.
- Station Site sponsorships will be acknowledged by WRTC 2022 in printed, web, and video materials in addition to being displayed prominently at the station location.



THANK YOU TO OUR MAIN SPONSORS



THANK YOU TO OUR MAIN SPONSORS FLEX RADIO AND ICOM AMERICA



Left: Lori Hicks and Gerald F Youngblood - K5SDR from Flexradio

THANK YOU TO OUR SPONSORS



VIBROPLEX



Proficiency Through Competition



Reston Applied Technology



RigExpert



Bertoncelli

Dog Park Software Ltd.



THE WRTC AWARD

- First time ever dedicated Award to the promotion of the organization of the WRTC 2022 – “World Radio Team Championship”.
- From 1st January 2023 to 31 January 2023, over 50 stations have been active with the special WRTC callsigns, all over the world
- The final score is available on our Web site. The winner was SN7B.
- QSO, QSL and hunter's scores will be real time on wrtc2022.it/award/2023.
- Each hunter will be able to download the award in digital format at the end of
- Over 100k hamradio get interested in the WRTC competition.



WRTC 2023 - Award

From Jan 01 to Jan 31, 2023

1.45 M
1,455,970 QSO

109,357
Hunters

254
Countries

31
Days



THANK YOU FOR LISTENING

See you all in
Castel San Pietro
Terme (Bologna)
in 2023!

4 - 11 July, 2023