

# World of ATP Tennis

## ATP World Tour 2023

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Step into the dynamic world of tennis with our map showcasing the 2023 ATP Tour. Discover the top 10 male players and trace the tournament locations throughout the season. We have compiled their rankings, stats, and memorable moments into one accessible resource. Our map serves as a visual guide, spotlighting global tournament hotspots and underserved areas, particularly in regions like Africa, where tennis access is limited. Utilizing data from various sources, including the official ATP website, we crafted a comprehensive representation. Join us in delving into the excitement of the sport and understanding our mission to address these accessibility challenges. Get ready for an immersive journey through the essence of tennis – it is game time!

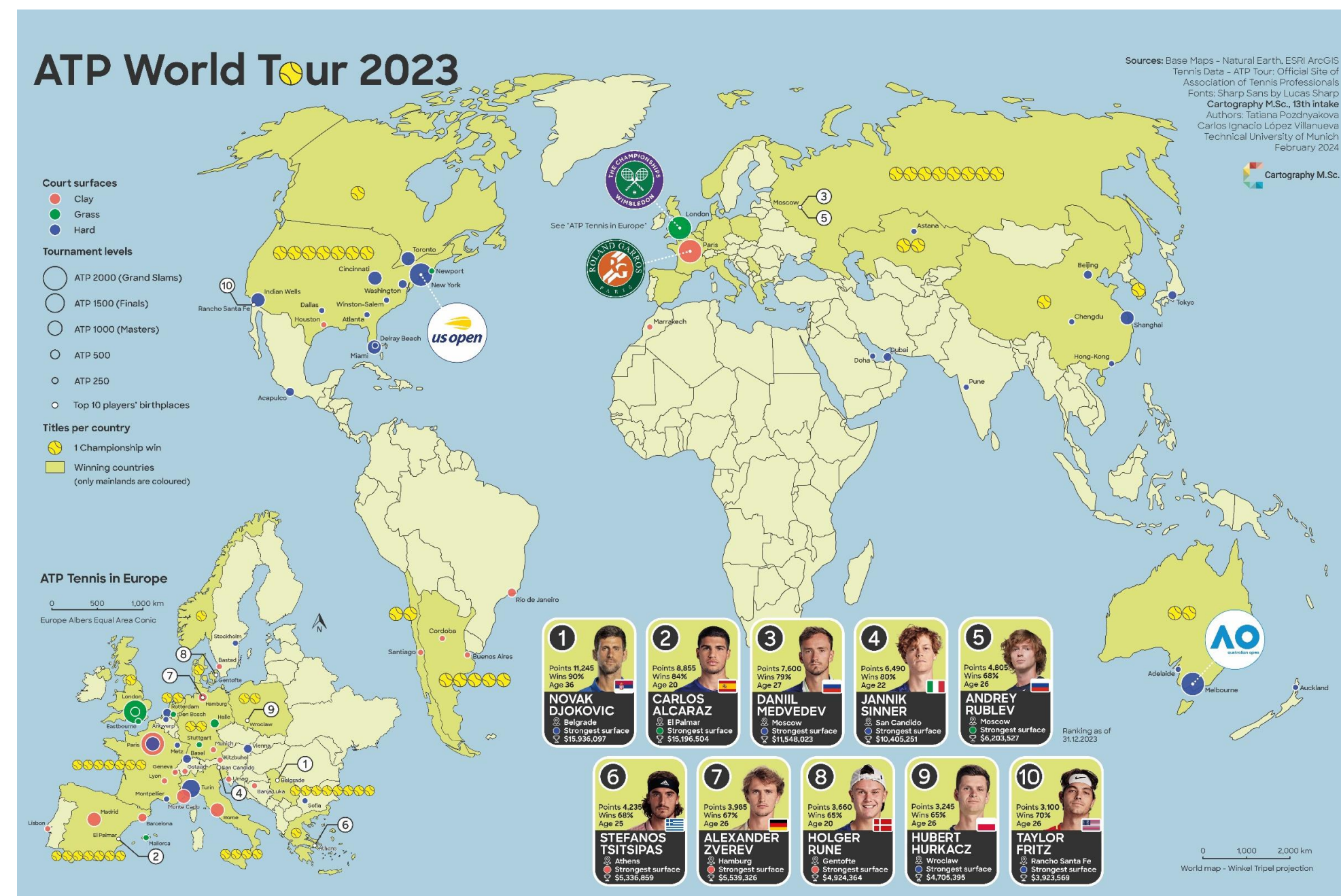


Fig.1 – Full-size poster (ATP World Tour 2023)

### THE GOAL

The aim of our project is to produce a revealing world map presenting everything you need to know about the annual ATP season. Besides covering players' info in a form of simple cards (Fig. 2), our map provides valuable insight into the scarcity of tennis in some parts of the world. Our ultimate goal is to inspire and deepen understanding of the sport for both eager fans and those just discovering its rich history, as well as bring attention to the problem of limited infrastructure and funding dedicated to the sport in regions like Africa.



Fig. 2 – Player card featuring statistics, personal info and rank as of December 2023

### FROM DATA TO VISUALISATION

The majority of relevant data was sourced from the official ATP website.[1] This data underwent analysis and filtering in Microsoft Excel, before being turned into structured CSV files. Statistics, such as each player's strongest surface were defined based on the records each player had on every surface throughout the season. Next, cartographic visualisation was initiated in ArcGIS Pro software, where the appropriate projections were chosen and all tournament locations, and statistical data added to the map. Finally, both the maps and the information they contained were exported to Adobe Illustrator for the final design touches, including labelling, colour selection, legend and other thematic map elements. Base maps were imported from ESRI ArcGIS, as well as from Natural Earth.[2] With this, our project concluded, and the final version was prepared for exhibition and printing (Fig. 1).

### CHALLENGES

Challenges arose when attempting to visualise the information on the map at the actual printing size. Besides that, adjustments to the thematic mapping technique were necessary to make the map both readable and cartographically correct. Additional time was spent on proper positioning the labels and adjusting the visual hierarchy for better legibility.

### TAKEAWAYS

We learned the importance of using the right mapping techniques as well as developed our skills in using professional GIS software. We also discovered that even after considering a product complete, evaluation techniques are essential to reach the final version. Hence, we assessed our map using user-based methods such as eye-tracking, focus groups, and think-out-loud studies. This step allowed us to accept our mistakes and further develop our project eliminating minor but significant imperfections.

### FUTURE IDEAS

Our project was designed to scale and adapt. While current poster is focusing on the men's 2023 tour, future plans may include the women's tour, seasonally updated versions, and creating an interactive web map for user exploration on their specific interests.

### CONCLUSION

To sum up, our ATP World Tour 2023 map is a handy snapshot of tennis action worldwide. We are proud of how the map unfolded and the awareness it may raise about tennis access. Looking forward, we are excited to inspire mappers to build up on this project, including women's tennis and upcoming seasons. Thanks for joining us on this tennis journey!

### IMPRINT

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### KEYWORDS

Tennis, ATP, Grand Slam, Masters, Tournaments

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