

Golf around the world 2015





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Contents

I







About this report

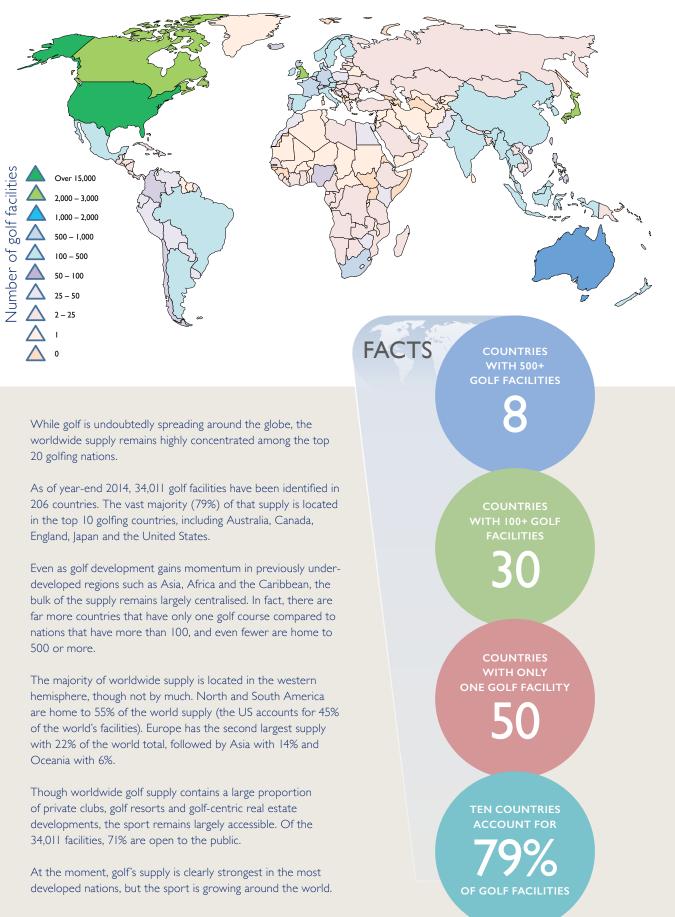
This unprecedented report reveals the truly global nature of the sport of golf and explores its potential for growth. It represents the culmination of a lengthy project to identify and verify every golf course in the world.

Funded by The R&A and 15 of the world's leading golf companies, the project was conceived and undertaken by the NGF, a U.S. based golf market research organisation that has long maintained a complete list of American courses. Over the four-year project, the NGF directed over 25,000 hours of labour towards the creation of what is now the definitive database of golf courses outside the U.S.

In addition to establishing the first "official" count of the world's golf courses, it will now be possible to accurately track golf's growth around the world and identify areas of potential development. It will help to inform decisions made by The R&A and other organisations involved in the delivery of golf; a sport which will re-enter the Olympic Games next year.

For more information, or to download a digital version of this report, please visit www.randa.org

Global golf supply



Global golf score card		
Land area	148,429,000 km² / 57,308,738 miles²	
Countries	239	
Golfing countries	206	
Golf facilities	34,011	
Golf holes	576,534	
18-hole equivalents	32,030	
18HEQs under development	696	
Private clubs	9,895	
Public clubs	24,116	
Population	7,247,240,850	
Population per golf hole	12,570	



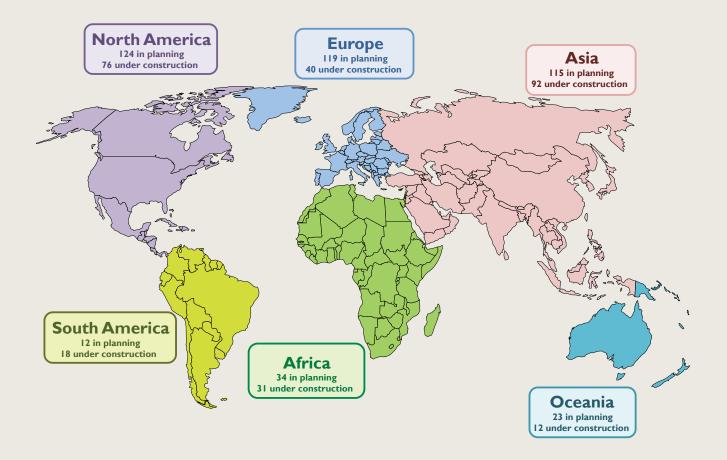
Golf facilities compared to population

Region	Population	Golf holes	Golf facilities	Population/ golf hole
Africa	1,110,635,062	12,447	911	89,229
Asia (including the Middle East)	4,298,723,288	91,536	4,778	46,962
Europe	742,452,170	127,770	7,403	5,811
North America (plus Central Am. & Caribbean)	561,072,904	303,999	18,145	I,846
Oceania	38,303,620	31,632	2,111	1,210
South America	410,932,390	9,150	663	44,911
The World	716,219,434	576,534	34,011	12,570

Golf facilities compared to land area

Continent	Area	% of total land area on earth	Golf facilities	% of world golf
Africa	30,065,000 km² / 11,608,000 miles²	20%	911	3%
Antarctica	13,209,000 km² / 5,100,000 miles²	9%		0%
Asia (including the Middle East)	44,579,000 km² / 17,212,000 miles²	31%	4,778	14%
Europe	9,938,000 km² / 3,837,000 miles²	7%	7,403	22%
North America (plus Central Am.)	24,256,000 km² / 9,365,000 miles²	16%	18,145	53%
Oceania	7,687,000 km² / 2,968,000 miles²	5%	2,110	6%
South America	17,819,000 km² / 6,880,000 miles²	12%	663	2%
The World	48,429,000 km² / 57,308,738 miles²	100%	34,011	100%

Worldwide development of the sport



While the worldwide supply of golf facilities continues to be highly concentrated among traditional golfing nations, the sport is spreading around the globe, and new courses are opening in interesting places.

Worldwide, there are 696 (measured in 18-hole equivalents) new golf courses under construction or in advance planning, which, if all were realised (and no existing courses closed), the total world supply would increase by around 2%. While 80% of these projects are located in Asia, Europe and North America, the sport is reaching parts of the world where golf has not been present before. In 2013, Belarus and Azerbaijan debuted their first golf facilities. The nation of Georgia opened its first course in June 2014. Other countries such as Macedonia, Sao Tome and Principe are building their initial courses now. Additionally, smaller golfing countries such as Bolivia, Cyprus, Egypt, Iran, Oman, Qatar and UAE are adding to existing supply.

Though golf is growing in many parts of the world, it is decreasing in some places where golf is highly developed, and where growth in supply outpaced growth in the number of golfers. In these countries, such as Australia, Canada, England and the US, golf is moving towards equilibrium between golf course supply and demand.

Overall, the sport's influence is spreading and closures have been more than offset by the expansion of the sport across the globe.



Golf course development overview¹

Region	2010-2014 openings	Closures ²	Under construction
Africa	32	10	31
Asia (including the Middle East)	185	73	92
Europe	155	110	40
North America ³ (plus Central Am. & Caribbean)	58	108	28
Oceania	12	47	12
South America	18	10	18
Total	460	358	221

¹ Measured in 18-hole equivalents

² Closures are estimated to be within the past five to ten years

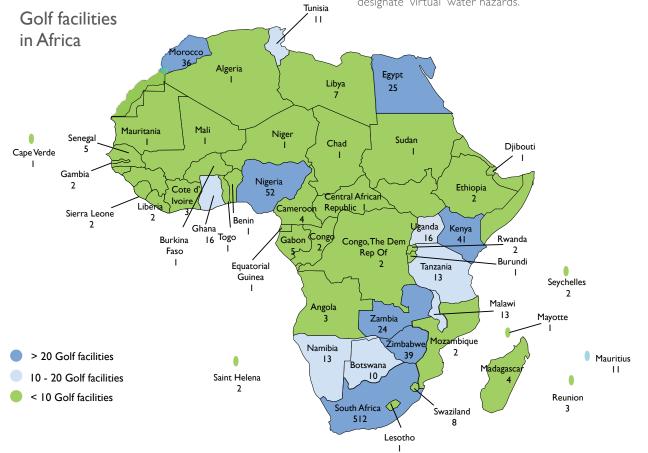
³ North America does not include the US



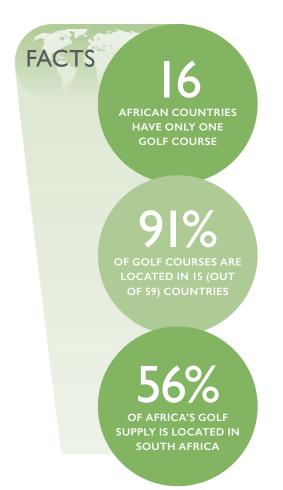
Africa A burgeoning golf destination

As a whole, the countries that make up Africa are among the poorest and most politically unstable in the world. Despite these factors, 50 of the 59 countries have at least one golf course and the continent contains more than 900 golf facilities in total. More than half of these facilities are located in South Africa.

Africa is home to many diverse types of golf facility. Oil companies have built western-style leisure communities with private golf courses to house their employees. Other large lifestyle communities, such as Lakowe Lakes in Nigeria, a secured luxury villa community with 27 holes of golf at its centre, are scattered throughout the continent. On the opposite side of the spectrum, the Luanda golf course in Angola is a dry sand scrape course with red markers that designate 'virtual' water hazards.





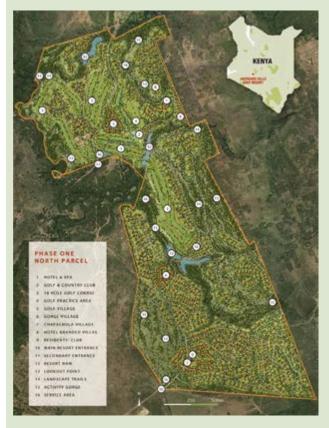


Africa golf score card		
Land area	30,065,000 km²/ 11,608,000 miles²	
Countries	59	
Golfing countries	50	
Golf facilities	911	
Golf holes	12,447	
18-hole equivalents	692	
18HEQs under development	65	
Private clubs	81	
Public clubs	830	
Population	1,110,635,062	
Population per golf hole	89,229	

Top 5 golfing countries in Africa	Number of golf facilities
South Africa	512
Nigeria	52
Kenya	41
Zimbabwe	39
Morocco	36

The development of large resort communities is a notable trend in golf course construction in Africa. There are currently 65 courses under development of which 41 are resort-related. For example, Morocco has 36 open golf facilities, 25 of which are attached to resorts, and nine more resort courses currently under development. Morocco's northern coastal location, which is easily accessible to European and western travellers, makes it an ideal place for this type of project. However, these large developments progress slowly because the regions tend to lack existing infrastructure to support them.

Featured development The Aberdare Hills Golf Resort, Kenya



An hour's drive from Kenya's capital Nairobi, the Aberdare Hills Golf Resort is situated in the Great Rift Valley. The first phase of the development comprises a USGA-standard I8-hole championship golf course, a luxury hotel and exclusive residential community. The development won the Best Development Multiple Units Kenya Award at the 2013-14 African Property Awards.

Sand scrape course

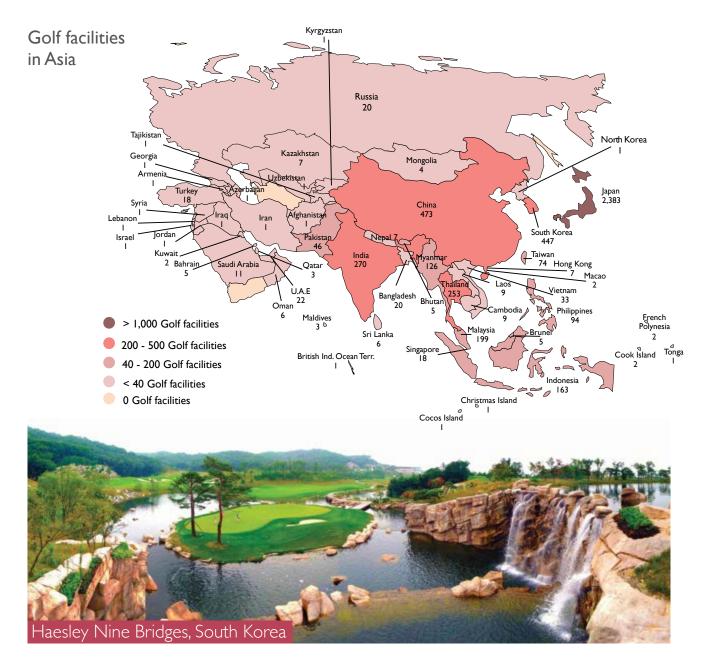
A golf course that uses sand on the greens instead of grass. The sand on the greens is typically mixed with an oil based additive that helps keep loose sand and dust on the soil. This type of course is usually found in arid areas where water is in short supply. Some sand scrapes also have soft sand or hard clay for fairways.



Asia covers 31% of the total land on earth, and is home to around 14% of the world's golf supply. Fifty three of the 55 countries in this region have golf facilities, yet eight countries account for 90% of the region's supply. With 2,383 facilities, Japan alone accounts for 50% of the region's total golf facility supply. Russia, despite having the largest land mass in the region, has only 20 facilities.

China, one of the fastest growing golf countries in the world, has 473 facilities, but obtaining information on the growth of the sport in the country is a challenge. The government imposed a ban on golf course construction in 2004 in an effort to protect the country's land and water resources. The ban, still in effect, applies to all areas of China except Hainan Island, a major tourist area. Developers and local officials have, in some cases, circumvented the restrictions by filing applications that designate the projects as sports training facilities, resorts, or other types of developments. The national government is now taking a more active enforcement stance and demolishing courses that were illegally built.

Golf is a popular sport in South Korea, though the supply of affordable public courses is insufficient to meet demand. Private golf facilities, which make up the majority of supply, have been under financial pressure due to high taxation on memberships and green fees. Also, they are required to refund membership fees upon members' requests, usually after the facility has been open for five years. Perhaps as a result of the lack of public golf that is accessible to the masses, golfers have taken refuge in other types of golf facilities such as ranges and indoor simulator (screen golf) facilities, which have proliferated.





Asia golf score card		
Land area	44,579,000 km²/ 17,212,000 miles²	
Countries	55	
Golfing countries	53	
Golf facilities	4,778	
Golf holes	91,536	
18-hole equivalents	5,085	
18HEQs under development	207	
Private clubs	2,126	
Public clubs	2,652	
Population	4,298,723,288	
Population per golf hole	46,962	

Asia is home to the most new golf projects in the world with 207 courses under development. Of Asia's 53 golfing countries, 27 have at least one new project in development. Japan, a mature golf country, has no new courses in development, mostly due to the lack of developable land. The majority of the growth is in China, with 56 courses in development (despite the ban); however, there are also 46 projects on hold with their fate unknown. India ranks second with 32 courses under development, followed by Vietnam with 18. Golf projects are also underway in the middle eastern part of the region, including Israel, Jordan, Oman, Iran and Lebanon.

Ninety percent of Asia's current golf projects are new golf courses, as opposed to additions. Around half of these projects are already under construction. Twelve new Asian courses opened in 2014.

Featured development National Azerbaijan Golf Club, Azerbaijan



The first-ever golf course in Azerbaijan, near the capital city of Baku, the National Azerbaijan Golf Club opened its first nine holes in 2013. The remaining nine holes are under construction and are expected to be open in 2016. The course hosted the European Challenge Tour's Azerbaijan Open, the first professional golf event held in the country.

Top 5 golfing countries in Asia	Number of golf facilities
Japan	2,383
China	473
South Korea	447
India	270
Thailand	253

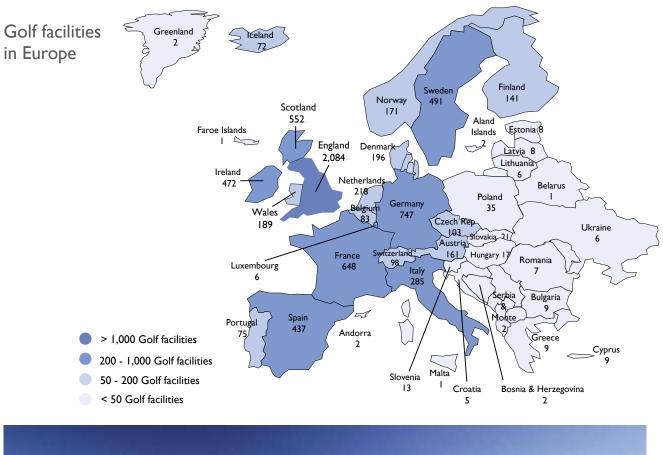


Europe Where golf's roots run deep

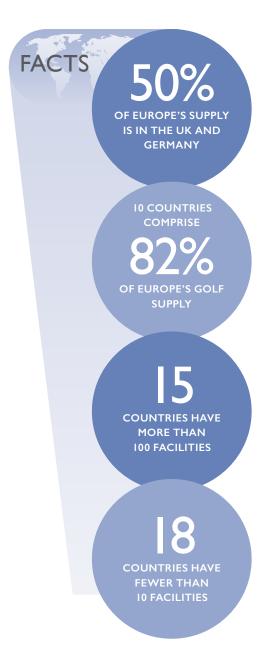
The modern sport of golf originated in Scotland in the 15th century. It grew slowly until a boom in the 1800s when golf spread quickly through the British Isles, the British Colonies and then further into other areas of Europe. The European region is now home to 22% of the world's total golf supply. Several countries in Europe have the highest golf participation rates in the world despite, in some cases, relatively few golf courses and very short playing seasons.

Europe is home to 7,403 golf facilities, and golf is present in 40 of its 50 countries. England's 2,084 golf facilities comprise 28% of the supply. Europe is home to many of the world's top golf destination countries including Scotland, Ireland, Spain and Portugal.

Golf is spreading throughout the region; some countries, such as Belarus, have opened their first golf course within the past year.







Europe golf score card		
Land area	9,938,000 km²/ 3,837,000 miles²	
Countries	50	
Golfing countries	40	
Golf facilities	7,403	
Golf holes	127,770	
18-hole equivalents	7,098	
18HEQs under development	159	
Private clubs	2,936	
Public clubs	4,467	
Population	742,452,170	
Population per golf hole	5,811	

Overall, the trend in new golf development in Europe appears to be toward short, compact courses that are public and family-friendly. These short courses comprise six, nine or 12 holes that take up less land mass and conserve water. Europe has 292 6-hole golf courses and 28 12-hole courses currently operating. There are also five 6-hole courses and 66 9-hole courses under development in Europe.

Of the 40 golfing countries in Europe, 30 have new courses under development. In total, 159 courses are either in planning or under construction. Resort courses and those tied to real estate developments together account for only 8% of current supply, but comprise 42% of new projects.

Ten new courses opened in Europe in 2014.

Featured development Ksirovka Golf Academy, Czech Republic



Ksirovka Golf Academy, which opened in July 2014, features a 6-hole golf course and a driving range. It is an urban golf academy designed to attract new golfers to the game in Czech Republic's second largest city, Brno. Czech Republic has five 6-hole golf courses open for play and one under construction in the province of Plzensky. In Europe, Norway has the most 6-hole golf courses at 20 with France a close second at 18.

Top 5 golfing countries in Europe	Number of golf facilities
England	2,084
Germany	747
France	648
Scotland	552
Sweden	491



North America

Golf's footprint reaches from the Caribbean to the Yukon

The North American region, which includes the United States, Mexico, Canada, Central America and the Caribbean, comprises around 16% of the world's land mass, but the region is home to 53% of the world's golf course supply. The majority of those courses are in North America, namely the US.

The US experienced golf course building booms in the late 1960s through the 1980s, and another in the early 1990s through the early 2000s. But since then the country has been experiencing a gradual, but steady, market correction due to an oversupply of golf courses. There are currently 15,372 golf facilities across the States down from a peak of 16,052.

With 2,363 facilities, Canada has the world's third largest golf supply. Ontario and Quebec, which combined account for approximately 60% of Canada's total population, hold 48% of total supply. The Yukon Territory is home to only six golf facilities and the Northwest Territory is home to only five. Of Canada's total supply, nearly 90% of golf courses are open to the public, 6% are resort properties, and 39% are 9-hole facilities.

Although the majority of golf facilities in Canada are located in the southern part of the country, Canada is home to the world's northernmost golf course, the Ulukhaktok Golf Course, in the Northwest Territory, located at a latitude of 70° 45' 10'' N.







North America golf score card		
Land area	24,256,000 km²/ 9,365,000 miles²	
Countries	48	
Golfing countries	32	
Golf facilities	18,145	
Golf holes	303,999	
18-hole equivalents	16,889	
18HEQs under development	200	
Private clubs	4,250	
Public clubs	13,895	
Population	561,072,904	
Population per golf hole	1,846	

Top 5 golfing countries in North America	Number of golf facilities
USA	15,372
Canada	2,363
Mexico	237
Caribbean	119
Central America	51

Although new course openings are still at all-time lows in the US, the country has 153 projects in various stages of development. Some of the courses that have opened in recent years are exciting additions to America's golf course landscape, including upscale destination facilities geared toward the golf traveller.

Golf development has also slowed in Canada. There are currently 37 projects in various stages of development, including 20 that have already broken ground. Nearly threequarters of all the projects are located in Alberta, British Columbia and Ontario. 73% of the courses are connected to a resort or real estate project (or both).

Golf development projects in the Caribbean are all part of larger resorts intended for destination golfers and vacationers. The projects on the islands tend to take longer than on the mainland, as all materials and labour need to be shipped in. There are also numerous governmental and environmental restrictions.

There are 18 projects under development in Mexico, 17 of which are resort related. The new golf development in Mexico is in two primary regions – the Baja Peninsula on the west coast and the Yucatan peninsula on the southeast coast. Another 32 projects are under development in Central America and the Caribbean.

Featured development Cabot Links, Canada



Cabot Links, which opened in June 2012 on the shores of Cape Breton in Nova Scotia, is the country's first true links style course, and has already debuted at No. 42 on *Golf Digest's* list of Top 100 Greatest Courses. The resort, which has helped rejuvenate the nearby town of Inverness, also features a 60-room boutique hotel. Construction on a second course, Cabot Cliffs, is well underway and looking to open for preview play in July 2015.



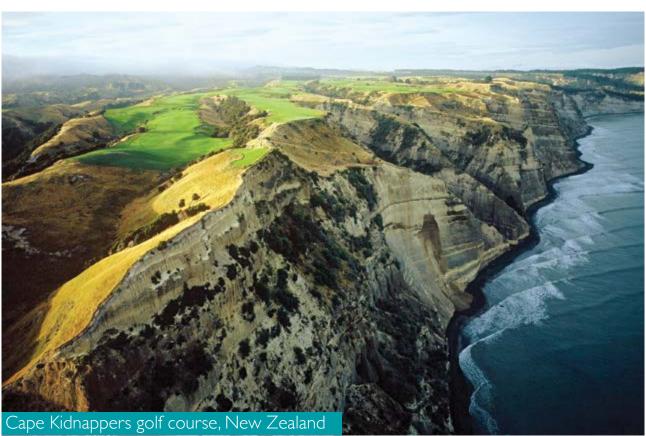
Oceania

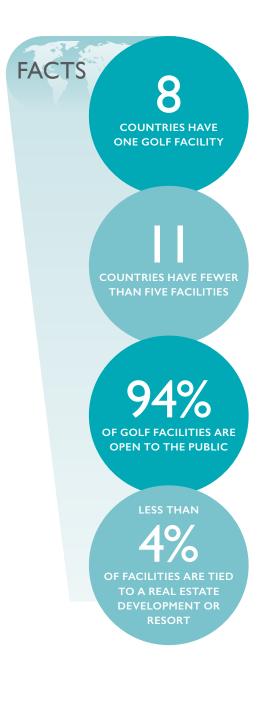
Diverse terrain and golf course styles

The diverse Oceania region consists of Australia, New Zealand, Fiji, Papua New Guinea, and the many island countries of the South Pacific. The area is unique for the variety of golf course styles. In addition to lush golf courses in the more tropical regions, Oceania is home to a number of sand scrape courses (mainly in South Australia).

which is home to 77% of Oceania's facilities. These are primarily located in the most populous coastal regions of Victoria, Australian Capital Territory, New South Wales and Western Australia. Together with New Zealand, these two countries account for 97% of regional supply.







Thirty five courses are under development in the Oceania region. Most (84%) of these are new projects as opposed to additions. More than 70% of the new golf projects are tied to a resort and/or real estate development. Resort courses account for less than 4% of the region's existing golf supply.

Australia, the largest golf country in the region, has 25 courses in development. In addition to new projects in Australia, existing golf courses are changing locations. In the more densely populated areas such as Melbourne, developers have been making deals with golf clubs to purchase the existing courses in order to redevelop them into much needed housing. In exchange, these developers are relocating the golf clubs and rebuilding the golf courses in more rural or suburban areas.

One new course opened in Oceania in 2014.

Featured development Kangaroo Island, Australia



Kangaroo Island, Australia's third-largest island, covers an area of around 4,416 km², and is home to two golf courses. The island's first luxury golf resort is currently in development with an 18-hole golf course and clubhouse, along with a five-day walking trail, lodging, restaurants, residential housing, a desalination plant and a helipad.

Oceania golf score card	
Land area	7,687,000 km²/ 2,968,000miles²
Countries	25
Golfing countries	18
Golf facilities	2,111
Golf holes	31,632
18-hole equivalents	1,757
18HEQs under development	35
Private clubs	128
Public clubs	1,983
Population	38,303,620
Population per golf hole	1,210

Top 5 golfing countries in Oceania	Number of golf facilities
Australia	1,628
New Zealand	418
Fiji	17
Papua New Guinea	15
Guam	9



South America

The world's golf stage in 2016

With the 2016 Olympic Games fast approaching, construction on the Olympic golf course is well underway in Brazil. Golf will receive much attention in the time leading up to and during the Games, as this is the first time in 110 years that golf is an Olympic sport. Many of golf's stakeholders are anxious to see how this event affects golf's growth in the region and the world at large.

Argentina and Brazil, the two largest countries in the region, hold 67% of golf supply. Though Argentina is less than onethird the size of Brazil, it has two and a half times as many golf courses (319 compared to 123).

Golf in Argentina is primarily part of the "country club lifestyle." Golf is not the central activity at these clubs, which are family oriented and include multiple amenities such as tennis, swimming, equestrian and polo. Argentina is also home to the world's southernmost golf course, the Ushuaia Golf Club, located at a latitude of 54° 49' 56" S.

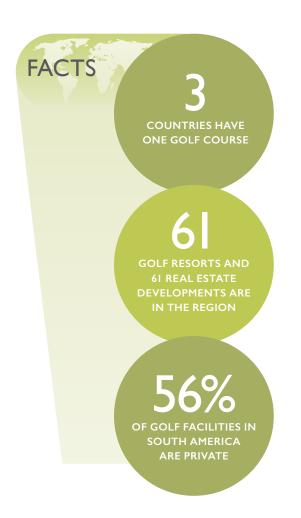
In Brazil, golf course supply is concentrated in the two most southeastern coastal provinces of Rio de Janeiro and Sao Paulo.

With 663 golf facilities, South America comprises roughly 2% of the world's total golf supply. All 14 countries in the region have at least one golf course but facilities are concentrated in South America's more populated areas. In fact, 90% of South America's golf courses are in just five countries.

Golf facilities in South America







South America golf score card	
Land area	17,819,000 km² / 6,880,000 miles²
Countries	4
Golfing countries	4
Golf facilities	663
Golf holes	9,150
18-hole equivalents	509
18HEQs under development	30
Private clubs	374
Public clubs	289
Population	410,932,390
Population per golf hole	44,911

South America has 30 golf courses under development. This includes ten additions to existing courses and 22 new golf facilities. Brazil is home to half of the new developments and Argentina counts nine. Following the trend of existing facilities in Argentina, the new course developments are associated with luxury living communities and lifestyle resorts where golf is combined with multiple amenities.

Most of the projects in the region have already broken ground. Of the 30 courses, 20 are currently under construction. Interestingly, current supply of the region includes more private than public courses, but of the new developments, public courses outnumber private by more than two to one.

Three new courses opened in South America in 2014.

Featured development El Desafio Mountain Resort, Argentina



El Desafio Mountain Resort is under construction with an 18-hole golf course. The resort masterplan also features two professional polo fields, equestrian facilities, large residential lots, a luxury lodge and mountain spa. Nine holes opened for play in 2014, while the second nine is currently under construction and expected to open in late 2015.

Top 5 golfing countries in South America	Number of golf facilities
Argentina	319
Brazil	123
Chile	77
Colombia	60
Venezuela	25

Appendix/Definitions

18-Hole equivalent (18Heq)

A measure of golf supply calculated by taking the total number of golf holes and dividing by 18. For example, one 18-hole golf course equals one 18-hole equivalent. Two 9-hole golf courses equals one 18-hole equivalent.

Championship golf course

A golf course that meets the requirements to host a professional golf tournament or event.

Golf course

A tract of land containing at least six or nine holes, but not more than 18 holes of golf.

Golf facility

A business location where golf can be played on one or more golf courses.

Public facility

A golf facility that provides public access and may or may not offer memberships.

Private facility

A golf facility where play is restricted to members and their guests, and may offer limited public access.

Real Estate-related facility

A golf facility located in and considered an integral part of a real estate development.

Resort facility

A golf facility located in a setting that usually includes other amenities such as tennis, swimming, gym facilities, etc. and is situated in conjunction with a hotel or motel.

Real Estate/Resort facility

A golf facility that combines the features of a real estate development facility and a resort.

Project

A new golf facility or course, or an addition to an existing course, that is currently in one of the following stages of development:

Proposed

The project has been proposed awaiting government approvals and planning. The selection of an architect, civil and construction engineers are pending, and the plans are in a state of refinement.

In-planning

The project has been awarded to a developer and/or architect. Specifications are being written and key decisions being made. Funding is being secured and permitting applications are being filed.

Under construction

The general contract and subcontracts have been awarded. Work has begun and ground has been broken.

Completed/Open

The course is now open and ready for play.

On-hold

The project was in-planning or under construction, however, work has stopped and the project is on hold.

ISO list of countries

All country information is based on the ISO list of countries published by the International Organisation for Standardisation (ISO), and defines the names of countries, dependent territories, and special areas of geographical interest.



Regions

AFRICA

Algeria, Angola, Benin, Botswana, Burkina Faso, Burundi, Cameroon, Cape Verde, Central African Republic, Chad, Congo, The Democratic Republic of the Congo, Cote d'Ivoire, Djibouti, Egypt, Equatorial Guinea, Ethiopia, Gabon, Gambia, Ghana, Kenya, Lesotho, Liberia, Libyan Arab Jamahiriya, Madagascar, Malawi, Mali, Mauritania, Mauritius, Mayotte, Morocco, Mozambique, Namibia, Niger, Nigeria, Reunion, Rwanda, Saint Helena, Sao Tome and Principe, Senegal, Seychelles, Sierra Leone, South Africa, Sudan, Swaziland, United Republic of Tanzania, Togo, Tunisia, Uganda, Zambia, Zimbabwe

ASIA

Afghanistan, Armenia, Azerbaijan, Bahrain, Bangladesh, Bhutan, British Indian Ocean Terr, Brunei Darussalam, Cambodia, China, Christmas Island, Cocos (Keeling) Islands, Cook Islands, French Polynesia, Georgia, Hong Kong, India, Indonesia, Islamic Republic of Iran, Iraq, Israel, Japan, Jordan, Kazakhstan, Democratic People's Republic of Korea, Republic of Korea, Kuwait, Kyrgyzstan, Lao P.D.R., Lebanon, Macao, Malaysia, Maldives, Mongolia, Myanmar, Nepal, Oman, Pakistan, Philippines, Qatar, Russian Federation, Saudi Arabia, Singapore, Sri Lanka, Syrian Arab Republic, Taiwan, Republic of China, Tajikistan, Thailand, Tonga, Turkey, United Arab Emirates, Uzbekistan, Vietnam

EUROPE

Aland Islands, Albania, Andorra, Austria, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, England, Estonia, Faroe Islands, Finland, France, Germany, Greece, Greenland, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Macedonia, Malta, Republic of Moldova, Netherlands, Norway, Poland, Portugal, Romania, Scotland, Serbia and Montenegro, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, Wales

NORTH AMERICA

Canada, Mexico, United States, Caribbean: Anguilla, Antigua and Barbuda, Aruba, Bahamas, Barbados, Bermuda, Cayman Islands, Cuba, Dominican Republic, Grenada, Guadeloupe, Haiti, Jamaica, Martinique, Montserrat, Netherlands Antilles, Puerto Rico, Saint Kitts and Nevis, Saint Lucia, St Vincent and Grenadines, Trinidad and Tobago, Turks and Caicos Islands, Virgin Islands, British Virgin Islands, Central America: Belize, Costa Rica, El Salvador, Guatemala, Honduras, Nicaragua, Panama

OCEANIA

American Samoa, Antarctica, Australia, Fiji, Guam, Kiribati, Marshall Islands, Nauru, New Caledonia, New Zealand, Niue, Norfolk Island, Northern Mariana Islands, Palau, Papua New Guinea, Samoa, Solomon Islands, Vanuatu

SOUTH AMERICA

Argentina, Bolivia, Brazil, Chile, Colombia, Ecuador, Falkland Islands, French Guiana, Guyana, Paraguay, Peru, Suriname, Uruguay, Venezuela

Based in St Andrews, The R&A organises The Open, major amateur events and international matches. Together with the United States Golf Association, The R&A governs the sport worldwide, jointly administering the Rules of Golf, Rules of Amateur Status, Equipment Standards and World Amateur Golf Rankings. The R&A's working jurisdiction is global, excluding the United States and Mexico.

The R&A is committed to working for golf and supports the growth of the sport internationally and the development and management of sustainable golf facilities. The R&A operates with the consent of 152 organisations from amateur and professional golf and on behalf of over 30 million golfers in 138 countries.



The R&A, St Andrews, Fife, Scotland KY16 9JD telephone: +44 (0)1334 460 000 fax: +44 (0)1334 460 001 info@randa.org www.RandA.org www.TheOpen.com