

RIO IN FOCUS

Sports Management takes a closer look at the facilities which will host this summer's Olympic Games

Tom Walker • managing editor • Sports Management

The Rio 2016 Olympic Games will see the return of a traditional 'city games', with nearly all sporting events – the only exception being football – taking place within the boundaries of Rio de Janeiro.

In total, athletes will compete for medals at 32 venues across the city, while football will be co-hosted by five other locations: Belo Horizonte, Brasília, Manaus, Salvador and São Paulo.

The venues in Rio will be divided into four zones. Most of the Games facilities are spread across two clusters – the main Olympic Park in Barra and the Deodoro Olympic district, located 5km (3km) north of Barra – with the Maracana Stadium and the famous Copacabana beach also hosting events.

BARRA OLYMPIC PARK

The Barra cluster houses the main Olympic park and its nine sporting venues, as well as the Riocentro Conference Centre and the brand new Reserva de Marapendi golf course. The park has been built on the site of the former Autódromo Internacional Nelson Piquet – a formula One motorsport circuit demolished to make way for hosting the Olympics (for more, see pp. 34-37).



The 15,000-capacity aquatics centre

Barra will be the beating heart of the Games, with nine venues hosting 16 Olympic and nine Paralympic sports. The Olympic Park will also house athletes' accommodation, the main press centre and the International Broadcast Centre. There are also large fan zones, designed to create a carnival atmosphere from early morning and long into the warm Rio night.

DEODORO

Located 5 km (3km) north of the Olympic Park, the Deodoro cluster will host 11 Olympic and four Paralympic sports. Three of the nine venues in the complex were existing ones, a legacy of the 2007 Pan American Games and the 2011 World Military Games. In total, four new permanent venues have been built – the Deodoro Arena, Olympic Hockey Centre and the X Park, which includes the Olympic BMX Centre and the Olympic Whitewater Stadium. To further, temporary structures complete Deodoro – the Modern Pentathlon Arena and the Olympic Mountain Bike Park facility.

One of the most complex facilities, the X Park Whitewater Stadium, contains 25 million litres



The 2016 Olympic Velodrome

Turn over: Andy Reed on UK Sport, and his expectations for Rio



BARRA CLUSTER

Carrioca Arena 1
NEW
Basketball
Capacity: 18,000
during Games, 15,000
post-Games

Carrioca Arena 2
NEW
Judo, Wrestling
Capacity: 15,000

Carrioca Arena 3
NEW
Fencing, Taekwondo
Capacity: 10,000

Aquatics Centre
NEW
Synchronised swimming, swimming
Capacity: 15,000

Velodrome
NEW
Track cycling
Capacity: 5,000

Future Arena
NEW
Handball
Capacity: 12,000

HSBC Arena
(to be called Rio Olympic Arena during Games)
Gymnastics, Trampoline
Capacity: 14,800

Olympic Tennis Centre
NEW
Tennis
Capacity: 18,250
(total for four courts, main court 10,000)

Future Arena
NEW
Handball
Capacity: 12,000

Reserva de Marapendi
NEW
Golf
Capacity: 20,000

Riocentro Conference Centre
Badminton, Boxing, Weightlifting, Table tennis
Capacity: 6 pavilions, each varies between 2,000 and 4,000

In total, the city of Rio will house 29 Olympic venues during the Games

of water in its two canoe slalom courses: one for the competitions, measuring 250 metres, and a 200-metre training and warm up course.

LEGACY

The Rio de Janeiro city government placed legacy at the heart of its Games planning from the very beginning. The government has looked to emulate two previous host cities – Barcelona (1992) and London (2012) – which used the Games to successfully regenerate large parts of the cities.

Rio's legacy plans are centred around the two main venue clusters and have been designed to provide future facilities for education, public leisure, elite-



Turn over: The role of nomadic architecture at the Rio 2016 Games

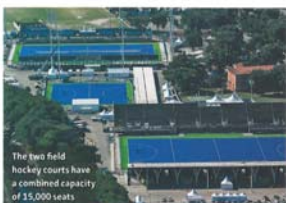
level sports and social projects. "Since the start, when Rio de Janeiro won the right to host the Games, our plan was to invest in the legacy that would be left to the city," says Pedro Paulo Teixeira, secretary for staff at Rio's municipal city council.

"If you look around the two clusters, the 'construction projects are simple and efficient, nothing too fan-fetted. Our focus is on the Games, of course, but we are also thinking about the future."

NOMADIC ARCHITECTURE

The most innovative aspect of Rio's legacy plans is the way some of the major venues will be reused post-Games. While temporary structures, which can be moved and built elsewhere in the same configuration, are now commonplace, Rio will take the concept of flexible architecture even further.

Of the nine competition venues in Barra Olympic Park, two will be dismantled and rebuilt as entirely new projects, thanks to the concept of 'nomadic architecture'. The BRRI21m (x27m, USS37m) Future Arena, which will host the handball competition during the Olympic Games and gaelic during the Paralympics, will be taken apart and its materials used to construct four new public schools across Rio de Janeiro, each with a capacity of 500 students.



The two field hockey courts have a combined capacity of 15,000 seats

DEODORO CLUSTER

Olympic Hockey Centre NEW
Field hockey
Capacity: 10,000 (main court), 5,000 (court 2)

National Shooting Centre
Shooting
Capacity: 7,600

Equestrian Centre
Equestrian
Capacity: 14,000

Deodoro Stadium NEW (temporary)
Modern Pentathlon, rugby 7s
Capacity: 15,000

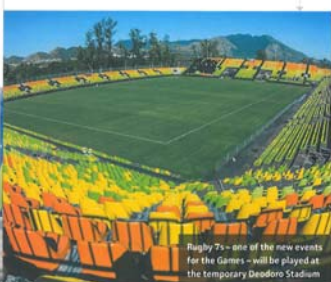
X Park bike trails NEW (temporary)
Mountain biking
Capacity: 5,000

X Park BMX track NEW
BMX
Capacity: 6,000

X Park Whitewater Stadium NEW
Canoe slalom
Capacity: 8,000

Dedero Aquatics Centre
Modern pentathlon swimming
Capacity: 2,000

Youth Arena NEW
Women's basketball, Modern pentathlon (fencing)
Capacity: 5,000



Rugby 7s – one of the new events for the Games – will be played at the temporary Deodoro Stadium

Turn over: Inside the Barra Olympic Park

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