Sustainable Turfgrass Management, The R&A and Asia

WORKING FOR GOLF

www.randa.org
Dominic Wall
Director Asia-Pacific
The Rules, The Open and Sustainable Development – Our Global Role
Royal and Ancient Golf Club of St Andrews

Founded in 1754

Responsible for The Rules of Golf since 1897

Responsible for The Open Championship from 1920
2004

New R&A companies for Championships, Rules and Development
Equipment Test Centre
Equipment Test Centre
### Prize money

<table>
<thead>
<tr>
<th>Year</th>
<th>TOTAL</th>
<th>FIRST</th>
</tr>
</thead>
<tbody>
<tr>
<td>1905</td>
<td>£115</td>
<td>£50</td>
</tr>
<tr>
<td>1955</td>
<td>£3,750</td>
<td>£1,000</td>
</tr>
<tr>
<td>1995</td>
<td>£1,125,000</td>
<td>£125,000</td>
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<tr>
<td>2006</td>
<td>£4,000,000</td>
<td>£720,000</td>
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<tr>
<td>2009</td>
<td>£4,200,000</td>
<td>£750,000</td>
</tr>
</tbody>
</table>
Crowd size

1926  First Admission Charges
Crowd size

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1968  Crowd exceeds 50,000
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1968  Crowd exceeds 50,000
1978  125,000 watch The Open at St Andrews
2005  223,000 see Tiger win and Jack Nicklaus retire from competitive golf
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1968    Crowd exceeds 50,000
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2005    223,000 see Tiger win and Jack Nicklaus retire from competitive golf
2006    Record crowds for an Open in England
2008    20,000 grandstand seats erected at Royal Birkdale
Global reach

84 Broadcasters
162 Territories
2,184 Hours of Coverage
581 million Households
Open Venues

St Andrews
Carnoustie
Royal Birkdale
Royal St George’s
Turnberry
Royal Troon
Royal Liverpool
Royal Lytham
Muirfield
Six global companies support The Open as Patrons
The Junior Open
Our family of Affiliates
Course management best practice guidelines

Your one-stop knowledge shop for a better golf course

Use this site (it's free) to help you achieve best practices in sustainable course and club management. At your fingertips - easily searchable advice from The R&A. Register to see how your club measures up against best practice with our unique self-assessment checklists. Get direct help from over 2000 other club managers, greenkeepers, agronomists and environmentalists in our discussion forum.

Use our resources to make the most of your
- Playing pleasure
- Course environment
- Cash resources
- Professional skills
- Technical knowledge
- Management techniques
- Social responsibility

The R&A
The R&A is golf's world rules and development body and organiser of The Open Championship. It operates with the consent of more than 125 national and international, amateur and professional organisations, from over 110 countries and on behalf of an
Gargaresh Golf Club – Libya
Inaugural Asian Amateur Championship was held at Mission Hills Golf Club, China in October 2009
Coaching
First public golf course in Brazil
Royal Thimphu – Bhutan
Open Championship International Final Qualifying
The R&A definition for the sustainable golf course

“Optimising the playing quality of the golf course in harmony with the conservation of its natural environment under economically sound and socially responsible management.”
Sustainable golf - the challenges

- Social responsibility
- Environmental stewardship
- Economic performance
- Playing quality
The land grab

A Harvest of Golf Courses From Vietnam’s Farmland

Golf courses in Binh Duong inspected
October 6, 2009

Rice gives way to golf balls
05:55 AM Oct 21, 2009
Course management best practice guidelines

Global map of water stress (pressure on water resources)

Levels of stress:
- 0 - 10%
- 10 - 20%
- 20 - 30%
- 30 - 40%
- 40 - 50%
- 50 - 60%
- 60 - 70%
- 70 - 80%
- 80 - 90%
- 90 - 100%

More information:
- Water
- Water resource management
- Water availability and use
- Water management
- Irrigation auditing and scheduling
- Construction guidelines, irrigation
- Optimising water use
- Benchmarking: the golf course
- Ponds and wetlands
- Ditches
- Irrigation

List of all case studies

Icons:
Carbon balance

Sequestration <-> Expenditure (course management, clubhouse operation, etc)
Reclaimed Water used for Irrigation
Avoid Contact.
Key Performance Indicators

- Costs
- Water use
- Fertiliser use
- Pesticide use
- Energy consumption
- Biodiversity
Objective

The R&A Golf Course Committee’s objective is to promote sustainable golf course development and management through the implementation of best practice.

Sustainability

The R&A definition of sustainable golf course management is:

Optimising the playing quality of the golf course in harmony with the conservation of its natural environment under economically sound and socially responsible management.

The challenge for golf is to maintain course quality and playability while respecting and positively contributing to the social and natural environment.”

Peter Dawson
Chief Executive, The R&A
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