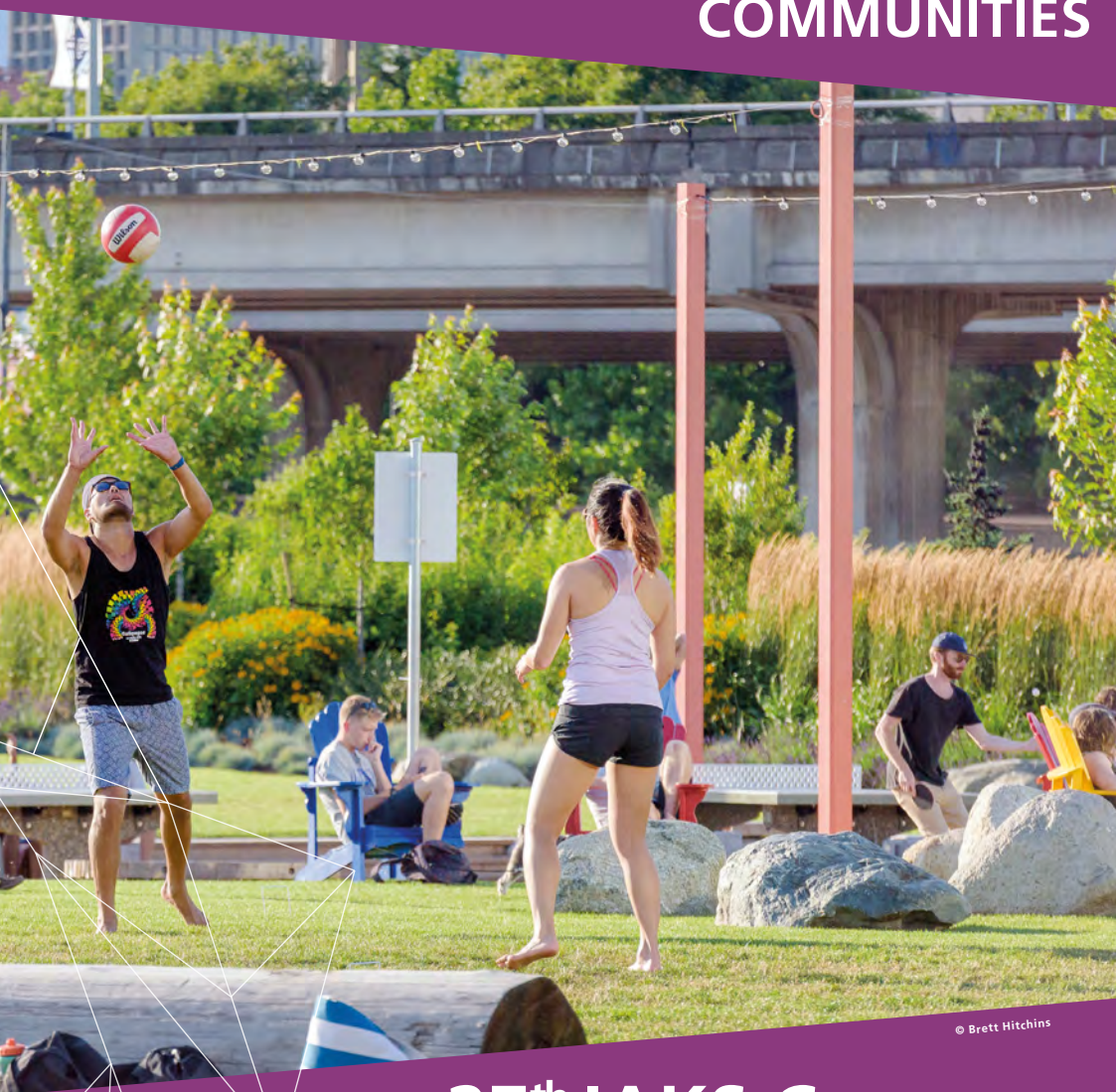




# IAKS

International Association  
for Sports and Leisure Facilities

## DEVELOPING HEALTHY AND SUSTAINABLE COMMUNITIES



© Brett Hitchins

## 27<sup>th</sup> IAKS Congress

The world's leading international forum on the planning,  
building and operation of sports and leisure facilities

26-29 Oct 2021, Cologne, Germany

# WELCOME



## IAKS

International Association  
for Sports and Leisure Facilities

### **Members and Friends of IAKS, Congress Participants,**

This year, FSB and the IAKS Congress will be of special significance.

Sports and leisure facilities have remained largely closed during the COVID-19 pandemic, presenting totally new challenges. During this period, sport and exercise, if possible at all, have been restricted to personal exercise in public spaces or at home.

Gatherings for the exchange of expertise have also been transferred online. FSB and the IAKS Congress 2021 will be the first major physical events in our industry – and this is why we are all very much looking forward to meeting you directly in person.

Much has ground to a halt in the pandemic, but the challenge of sustainability, already omnipresent before the pandemic, certainly has not. That is why we are devoting ourselves this year to the fostering of healthy and sustainable communities. People's health and the physical activity that goes with it have been brought into even sharper focus by the pandemic, but so have the vitality and resilience of our society and economy.

### **PATRONAGE**



INTERNATIONAL  
OLYMPIC  
COMMITTEE



**INTERNATIONAL  
PARALYMPIC  
COMMITTEE**

Moreover, there has been no let-up in climate change due to the pandemic. The environmental challenges are huge and the road to carbon neutrality is rocky. At the IAKS Congress, we will therefore take an integrated look at sustainability and illuminate it in all its facets.

The IOC IPC IAKS Architecture Awards will also provide exciting insights. Be sure not to miss the prize-giving ceremony at the Awards Gala on Tuesday, 26 October! This is when we shall celebrate our industry's most innovative ideas and their originators.

And if you are unable to travel to Cologne for the world's leading industry events for sports and leisure facilities, you can simply participate online. For the first time, we will be staging the IAKS Congress as a hybrid event and making it even more global.

All this would not be possible without the many years of fruitful cooperation with able partners. I should like to express my sincere thanks to the IOC, IPC, Koelnmesse, GAISF and the German Ministry of the Interior for their loyalty and support.

I look forward very much to meeting you in person in Cologne!

Best regards

**Dr Stefan Kannevischer, IAKS President**



## TUESDAY

14

10:30 – 12:00 h

Addressing the global climate challenge

13:30 – 15:00 h

Innovation to foster ecological sustainability

15:30 – 17:00 h

Zeroing in on Net Zero

18:30 – 23:00 h

2021 IOC IPC IAKS  
Architecture Prizes Ceremony

## WEDNESDAY

22

10:30 – 12:00 h

Social sustainability:  
Recreation facilities for All

13:30 – 15:00 h

Innovative models to foster new  
thinking in recreation facilities



## THURSDAY

26

10:30 – 12:00 h

Economic challenges and operational improvements; digitalization and future trends

13:30 – 15:00 h

The impact of Covid-19 on design and operations

15:30 – 17:00 h

Arenas and sports halls:  
New success models

## FRIDAY

32

10:30 – 12:30 h

The future of synthetic turf

11:00 – 12:30 h

Ice as a tool for supporting active urban and community experiences



## **500 participants**

40 nations

International information exchange

## **4 days 11 events**

Presentations and discussions  
(conference language: English with simultaneous translation into German)  
Staged in a hybrid format for the first time.

## **Industry meeting**

The IAKS Congress will take place together with FSB 2021 – the leading international trade fair for public space, sports and leisure facilities!

## **More than 40 speakers**

IOC, TAFISA, United Nations, Lee Valley Park Authorities, GAME, LOA Fonden...

## **Innovation**

Expert knowledge from renowned architectural firms such as Faulkner-Browns, HCMA, IDOM, MJMA, Otium, Populous,...

## **Tradition**

Since 1969 the center for the exchange of new approaches and strategies. More than 50 years of knowledge and insights for design, construction and management of sports and leisure facilities.



Photo: Keinicke & Overgaard Architects

Meet international experts sharing their experiences on making communities places of active living. Get to know best practice examples to tackle the challenges of climate change. Ecological, economic and social sustainability needs to be addressed in an integral way.

IAKS is proudly hosting the 27th edition of this outstanding knowledge sharing event.

IAKS is the leading global non-profit organisation for professionals from the sports, leisure and recreation facilities industry. Since 1965, IAKS has been enabling international networking for the exchange of planning, design and operational expertise.

Together with FSB – the leading international trade fair for public space, sports and leisure facilities!





INTERNATIONAL  
OLYMPIC  
COMMITTEE

**Dear participants,**

The International Olympic Committee is honoured to once again give patronage to the IAKS Congress. The focus of this year on “Integral Sustainability” highlights our shared commitment to sustainability. While the coronavirus pandemic has dominated the headlines, other urgent issues like climate change have not disappeared. The pandemic only underlines the central importance of sustainability at all levels of society. Sport too depends on a healthy planet and has the responsibility to contribute to global sustainability efforts.

The coronavirus crisis has also highlighted the essential role of sport in society. In fact, a recent resolution adopted by consensus by all United Nations Member States specifically calls for sport to be included in national recovery programmes, while reaffirming the role of sport as an accelerator of sustainable development and healthy living.

In this context, the IAKS Congress is a timely opportunity to advance sustainability in sport and leisure facilities while also contributing to our shared goal of promoting active and healthy societies.

As the role of sport continues to grow, the IOC is happy to have such a reliable partner like IAKS on our side. In this spirit, I wish you fruitful discussions and a successful IAKS Congress 2021.

Yours

**Dr Thomas Bach**  
**IOC President**



## **INTERNATIONAL PARALYMPIC COMMITTEE**



Dear friends,

At the IPC we are proud of our long-term patronage of the IAKS Congress and, as a passionate supporter of the UN's 2030 Agenda, we are delighted that our activities advance 11 of the 17 Sustainable Development Goals.

In organising the Paralympic Games, we work with host cities and countries to ensure they also embrace the sustainability agenda. Working alongside the IOC, this has meant in recent years a greater focus on the use of existing venues as opposed to the development of new infrastructure.

Accessibility is fundamental to integral sustainability and such is the importance the IPC places on accessibility, that in late 2020 we published a new version of our Accessibility Guide. Developed with the support of several global accessibility experts, the guide supports the planning and delivery of Olympic and Paralympic Games, as well as other events to promote inclusion.

The new IPC Accessibility Guide which is available at [www.paralympic.org](http://www.paralympic.org) will further progress the great work that is being done in the Paralympic Movement and will support the IPC's vision to make for a more inclusive world through Para Sport. I believe it is essential reading for all.

Enjoy this year's IAKS congress.

Yours

**Andrew Parsons**  
**IPC President**



**Dear participants,**

On behalf of the entire GAISF team, I would like to congratulate the International Association for Sports and Leisure Facilities (IAKS) on holding its 27th Congress in the attractive city of Cologne.

It is my honour and privilege to act as patron of this successful, international event where innovative ideas can be shared and partnerships forged.

I believe that the focus of IAKS on integral sustainability is of paramount importance when designing sports and leisure infrastructures. As such IAKS performs a key role, leading by example in the design and construction of new sports facilities that take responsibility for the future of our planet.

Sustainability is of great importance to GAISF, with our own focus on the GAISF Sustainability Award, which aims to showcase the innovative sustainability projects of International Sports Federations. We therefore fully support IAKS in their approach to integral sustainability.

It is my hope that the 27th Congress will serve as a platform for inspiring pioneering ideas, providing answers to some of the challenges faced by International Federations, and I hope to see many of them materialise over the coming years.

Yours

**Dr Raffaele Chiulli**  
**GAISF President**



Federal Ministry  
of the Interior, Building  
and Community



Dear participants,

As the Federal Minister of the Interior, Building and Community, I have continued the tradition cultivated by my ministry since 1969 and am delighted to act as the patron of the 27th IAKS Congress. I would like to express my appreciation of IAKS's commitment to good sports and exercise facilities, which has spanned more than five decades.

Sports policy of the Federal Ministry of the Interior, Building and Community, the arm of the Federal Government responsible for elite sport, is guided by an awareness of the value of sport. Germany's top athletes can only hold their own internationally if they have facilities for training and competition that meet the highest international standards. Promoting the construction of sports facilities for elite sport to the tune of some EUR 20 million annually is therefore one of the priorities of the Federal Government's sports funding programme.

Alongside elite sport, I am also keenly committed to grassroots sport. To specifically address the backlog of sports facility refurbishment, I have relaunched the "Golden Plan". To fund the upgrade of sports facilities for mass sport, the Federal Government made EUR 150 million available in 2020, with EUR 110 million to follow in 2021. The Golden Plan is scheduled to continue until 2024 with a further EUR 380 million of federal financial assistance.

As the minister also responsible for building and community, it is important to me both to promote sports facilities as part of local social infrastructure and to use them to enhance social cohesion and integration and public health.

I should like to thank IAKS for organising the congress and wish all participants a fruitful time at the congress and the FSB trade fair much success.

Yours

**Horst Seehofer**

**Federal Minister of the Interior**

TUESDAY, 26 OCTOBER, 10:30 – 12:00 h





## Addressing the global climate challenge

### Welcome and introduction

Dr. Stefan Kannewischer, IAKS President, Switzerland

### The United Nations' Sustainable Development Goals (SDGs)

Daniela Bas, UN Director of Division for Inclusive Social Development, Department of Economic and Social Affairs, USA

### The IOC's sustainability achievements and future goals

Marie Sallois-Dembreville, Director Corporate and Sustainable development, International Olympic Committee, Switzerland

### TAFISA Mission 2030 and its significance for Active Cities

Wolfgang Baumann, Secretary General, TAFISA, Germany

### Moderator

Tom Jones, IAKS Vice President, United Kingdom

TUESDAY, 26 OCTOBER, 13:30 – 15:00 h





## Innovation to foster ecological sustainability

**NEOM: A network of top-tier community sports zones in urban, beach and mountain locations open to everyone**

Jan Paterson, Managing Director Sport, Neom, Saudi-Arabia

**How can master planning and design respond to extreme weathers caused by climate change?**

Colleen McKenna, Sports+Rec Practice Leader, Principal, CannonDesign, USA

**On the path to carbon neutral sports and leisure facilities: Learnings from the Olympic House in Lausanne**

Lasse Lind, Partner & Head of Consultancy, 3XN Architects, Denmark

### Moderator

Tom Jones, IAKS Vice President, United Kingdom



TUESDAY, 26 OCTOBER, 15:30 – 17:00 h



## Zeroing in on Net Zero

### Net zero energy in community recreation projects

Ted Watson, Partner, MJMA, Canada

### Tackling the zero-emission game

Jo-Ann Gamble, Regional Sustainability Manager, Lendlease, Sydney, Australia

### Environmental sustainability, well-being and active design at University of Portsmouth Ravelin Sports Building

Michael Hall, Partner, and  
Irina Korneychuk, Associate,  
FaulknerBrowns Architects, United Kingdom

### Moderator

Tom Jones, IAKS Vice President,  
United Kingdom

Photo: Bankwest Stadium



TUESDAY, 26 OCTOBER, 18:30 – 23:00 h



# 2019 IOC IPC IAKS Architecture Prizes

## THE WINNERS



## 2021 IOC IPC IAKS Architecture Prizes Ceremony

**AWARDS GALA  
WITH PRIZE-GIVING CEREMONY**

The IOC IAKS Award and the IPC IAKS Distinction are the most important international architecture prizes for sports, leisure and recreational facilities.

At this Awards Gala Night, the award-winning facilities will be presented to the international public. Representatives from the IOC, the IPC and the IAKS will hand out the prizes in the presence of international guests. Prizes will be presented to the award-winning building owners and architects.

Foto: Koelnmesse GmbH, Uwe Weiser

WEDNESDAY, 27 OCTOBER, 10:30 – 12:30 h





## Social sustainability: Recreation facilities for All

### Promoting Active Cities Throughout Europe: The matrix for change

Jean-Francois Laurent, Junior Director,  
TAFISA, Germany

### Concord Community Pop-Up Park

Margot Long, Principal, PWL Partnership  
Landscape Architects, Canada

### Embracing diversity:

#### Key to inclusion in recreation facility participation

Mark Hentze, Architect, DIALOG, Canada

### 24/7 indoor facilities for All –

#### Is this possible?

Holger Kortbek, Head of sports facilities at  
municipality of Gladsaxe, Denmark

### Moderator

(tbc)

Photo: Tom Yim



WEDNESDAY, 27 OCTOBER, 13:30 – 15:00 h

MOVE

OBS!  
VERBODEN TOEGANG  
VOOR FIETSEN EN  
INZAKE VAN LOEPPLAATS



## Innovative models to foster new thinking in recreation facilities

Innovation in funding and developing sports and leisure facilities:

### The model of LOA fonden

Ola Mattsson, Development Consultant,  
LOA fonden, Denmark

### The public realm and the democratization of play

Elizabeth Hand-Fry, Principal, StudioHIP, USA

### Designing street sports for sustainable development

Marie Traasdahl Staal, Executive Director of  
Innovations and Programs, GAME, Denmark

### Moderator

(tbc)

Photo: Rasmus Hjortshøj



## ACTIVE EXCHANGE CANADA

### INFRASTRUCTURE DATABASE

### ACTION PLANS

### RECREATION AND AQUATIC MAPS

MY USERS AND SITES  
SWIMMING LESSONS  
ICE ARENA (HOCKEY)

### DASHBOARDS

### COMMUNITY PROFILE

### ACTIVE EXCHANGE ADDITIONAL MODULES

### GUIDANCE VIDEOS

## MY USERS AND SITES

Select layers below to display on the map.

### YOUR SITES

#### 1. ACTIVE USERS (AREA)

#### 2. DEMAND / POPULATION (AREA)

#### 3. CONVERSION (AREA)

#### 4. UNMET DEMAND (GROWTH AREAS)

#### 5. FUTURE CHANGE IN DEMAND (2030)

### LAYER DETAILS

## DA: 48112172

1. Total Population: 5463
2. Percent 0-14: 22.5%
3. Percent 65+: 7.9%
4. Percent Low Income: 2.9%
5. Percent Own Home: 29.2%
6. Percent Rent Home: 9.3%
7. Percent Indigenous: 99.6%
8. Percent Visible Minority: 99.6%
9. Percent Unemployed: 9.9%
10. Percent Higher Education: 0%
11. Deprivation Index: undefined
12. Percent Youth Overweight: 0.1%
13. Percent Adult Overweight: 8%
14. Physical Activities: 14
15. Heart Disease: 79
16. Diabetes: 123
17. Cancer: 2
18. Mental Health: 165



Hello, ActiveXchange Data Team here, reach out to me if you need some help!

Start the chat

Write a message...



mapbox

## Economic challenges and operational improvements; digitalization and future trends

First Why? Then what? –  
How to maximize project impact  
through early decision making  
Darryl Condon, Managing Principal,  
HCMA architecture, Canada

Business intelligence and demand  
analysis for shaping more informed,  
connected & active communities  
Alex Burrows, Founder of ActiveXchange  
Australasia and Canada,  
Warren Green, Managing Director,  
Warren Green Consulting, Australia

Digital evolution in the design and  
build process  
Paul Gerrits, Managing Director,  
Pellikaan Bauunternehmen Deutschland,  
Germany

Moderator  
(tbc)





THURSDAY, 28 OCTOBER, 13:30 – 15:00 h



## The impact of Covid-19 on design and operations

**Funding challenges for both public and private projects in elite sport and grass root development**

Shaun Dawson, Chief Executive, Lee Valley Regional Park Authority, United Kingdom

**Covid-19 safe re-opening of venues and its legacy for design and operations**

Al Baxter, Architect, Populous, Australia

**Experiences from the Tokyo Games**

N. N., Tokyo OCOG

### Moderator

Prof PhD Benjamin Flowers, Professor of Architecture at Knowlton School, Ohio State University, USA



THURSDAY, 28 OCTOBER, 15:30 – 17:00 h



## Arenas and sports halls: New success models

### Old sports halls – new opportunities

Casper Lindemann, Consultant, DIF, and  
Oliver Vanges, Development Consultant,  
LOA fonden, Denmark

### Rapid development of Esports and Esports arenas: New and unique design characters reflect the nature of “gaming”

Charlie Fordham, Associate Principal,  
Populous, United Kingdom

### Combining sporting, cultural and other uses (tbc)

### Moderator

Prof PhD Benjamin Flowers, Professor of  
Architecture at Knowlton School,  
Ohio State University, USA





## The future of synthetic turf

Challenges to the future of synthetic surfaces  
(tbc)

Hierarchy of performance standards for synthetic turf pitches

Martin Sheppard, Managing Director,  
Smart Connection Consultancy, Australia

Circular Economy: How end-of-life artificial turf becomes raw material for new artificial turf systems

Dr. Cornelia Röger-Göpfert, Managing Director,  
Morton Extrusionstechnik, Germany

Zero waste development of synthetic turf: New materials creating circularity

Arnoud Fiolet, Managing Partner,  
Recreational Systems International, Netherlands

Moderator  
(tbc)

FRIDAY, 29 OCTOBER, 11:00 – 12:30 h





## Ice as a tool for supporting active urban and community experiences

Ice as an animator of the public domain  
– examples from major urban centres  
Conrad Boychuk, Architect, Canada

Non-traditional ice experiences –  
innovations in form  
Viktors Jaunkalns, Partner, MJMA, Canada

Temporary installations to ice-based  
“placemaking”  
Peter Hirvell, Managing Director,  
AST Eis- und Solartechnik, Austria

Moderator  
(tbc)

Foto: Shai Gil

# CONGRESS TICKETS

All congress tickets include entry for the international trade shows FSB and aquanale.

„Early Bird“ pricing available until 30 September 2021:

## 4-day Congress ticket in person

IAKS Members	265 EUR
Non-Members	397 EUR
Students	112 EUR

## 4-day Congress ticket virtual

80 EUR
120 EUR
40 EUR

## 1-day Congress ticket

	26 Oct	27 Oct	28 Oct	29 Oct
IAKS Members	144 EUR	96 EUR	144 EUR	96 EUR
Non-Members	216 EUR	144 EUR	216 EUR	144 EUR
Students	60 EUR	40 EUR	60 EUR	40 EUR

## Tickets for Awards Gala on 26 Oct 2021

IAKS Members	105 EUR
Non-Members	130 EUR

Information and tickets: [www.iaks.sport](http://www.iaks.sport)



## Congress Centre North of Koelnmesse

Messeplatz 1  
Eingang Nord  
50679 Köln-Deutz (Germany)

## IAKS

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for Sports and Leisure Facilities  
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[congress@iaks.sport](mailto:congress@iaks.sport)  
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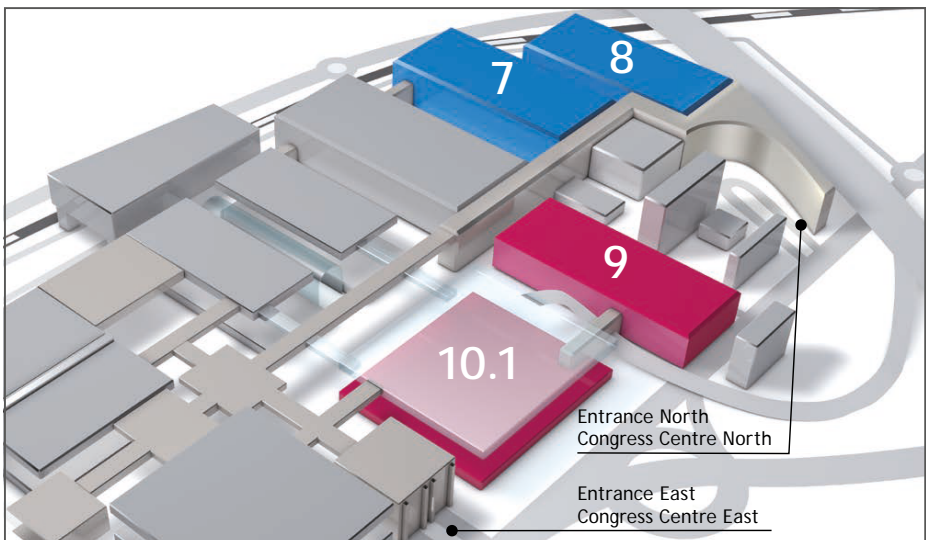
## Congress languages/rooms

Presentations and discussions  
(conference language: English with simultaneous translation into German)  
Staged in a hybrid format for the first time.

Room: CC Nord, Rheinsaal 1-4



## HALL LAYOUT 2021





# IAKS

International Association  
for Sports and Leisure Facilities

[www.iaks.sport](http://www.iaks.sport)



Foto: Brett Hitchins

## PATRONAGE



INTERNATIONAL  
OLYMPIC  
COMMITTEE



INTERNATIONAL  
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Global Association  
of International  
Sports Federations



Federal Ministry  
of the Interior, Building  
and Community