



ISWA Annual Report

20
22

Working Together
for a Cleaner, Healthier Planet



ISWA
International Solid Waste Association

Mission and Goals

ISWA – International Solid Waste Association - is a Global, Non-Profit Association, working to Promote and Develop Sustainable and Professional Waste Management Worldwide and the transition to a Circular Economy.

ISWA's vision is an Earth where no waste exists. Waste should be reused and reduced to a minimum, then collected, recycled and treated properly. Residual matter should be disposed of in a safely engineered way, ensuring a clean and healthy environment. All people on earth should have the right to enjoy an environment with clean air, water, seas and soils. To be able to achieve this, we need to work together.

ISWA achieves its mission through:



Promoting resource efficiency through sustainable production and consumption



Providing support to developing and emerging economies



Advancement of waste management through education and training



Promoting appropriate and best available technologies and practices



Professionalism through its programme on professional qualifications



Worldwide exchange of information and experience on waste management

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Message from **the President**



In 2022, we saw an amazing evolution in **ISWA's** performance, featuring membership growth, new and renewed partnerships, high level events and international outreach.

The year started with an active participation on the process to approve important resolutions by the United Nations Environment Assembly - UNEA 5.2: one dedicated to developing an international legally binding instrument to beat plastic pollution and another one to establish a Science-Policy Panel on chemicals, waste and pollution. The year closed with the approval of an unprecedented resolution by the United Nations General Assembly, on December 22, aiming to “Promote zero waste initiatives to advance the 2030 Agenda for Sustainable Development”, the first universal resolution exclusively dedicated to waste management.

Besides that, in 2022 we attended several events and meetings such as Waste Expo in the USA, IFAT in Germany, Stockholm+50 in Sweden, Conference of the Parties to the Basel, Rotterdam and Stockholm Conventions in Geneva, the Ocean Conference in Portugal, First Session of Intergovernmental Negotiating Committee on Plastic Pollution (INC-1) in Uruguay, UNFCCC COP27, and other related events in Egypt.

As a highlight, members from all over the world visited the **ISWA** booth at IFAT, where an intense and attractive programme was organized, hosting three high level Ministerial receptions, with the presence of Ministers of State from Singapore, Brazil and Malaysia.

Visits to National Members were also one of the most important parts of the agenda in 2022 and resulted in interactions of great value for the whole waste industry, as experiences seen in the different countries show how sound waste management can be implemented in practice and serve as an example.

From a personal perspective, I was profoundly honoured to be re-elected as **ISWA** President for another 2 years term, being able to continue spreading out the message that sound waste management is required to fulfil the global commitment to beat pollution, protect biodiversity and mitigate GHG emissions, contributing to a better and enjoyable future, in which everybody has the right to enjoy a clean and healthy environment.

My gratitude to our members, to the **ISWA** staff and to my fellow Board colleagues for all the support granted during this first term. Now, it's time to boost the energies and be the change the world needs.

Sincerely,

Carlos RV Silva Filho

Message from the **Managing Director**



Dear **ISWA** member,

The year 2022 was characterised by a renewed positioning for **ISWA** and the Waste & Resource Management sector in many ways.

The UN General Assembly recognised the universal right to a clean, healthy and sustainable environment. Furthermore, the devastating impacts of the triple planetary crisis of climate change, nature and biodiversity loss, pollution and waste is truly defining the international environmental agenda.

It is heart-warming and encouraging that on the highest level people actively announce that proper Waste & Resource Management in the broadest sense drives solutions related to the planetary triple crisis we face.

I am proud of how the whole **ISWA** network persisted over the years with its shared mission to promote and develop sustainable Waste & Resource Management and a transition to a Circular Economy. **ISWA** is increasingly seen and recognised as the primary voice, representing the Waste & Resource Management sector.

For the General Secretariat of **ISWA** the year 2022 was the year of growth, refreshing community building and increased international presence. Many events, most of them in person again, were organised by us or attended by **ISWA** representatives.

This annual report highlights just some of the developments and activities of the association, which have only been possible through the positive and enthusiastic engagement of our members. The dedication of our network is indescribable, especially as volunteering is not always externally noticeable.

Many thanks are due to all people involved, actively or passively, as at the end of the day we all thrive together for a greener, cleaner and healthier planet. From our side we will continue strive to achieve our collective goal of improving and bettering waste management systems and practices worldwide. Last but not least, we work to ensure that you continuously see the value of your membership and the services we offer you.

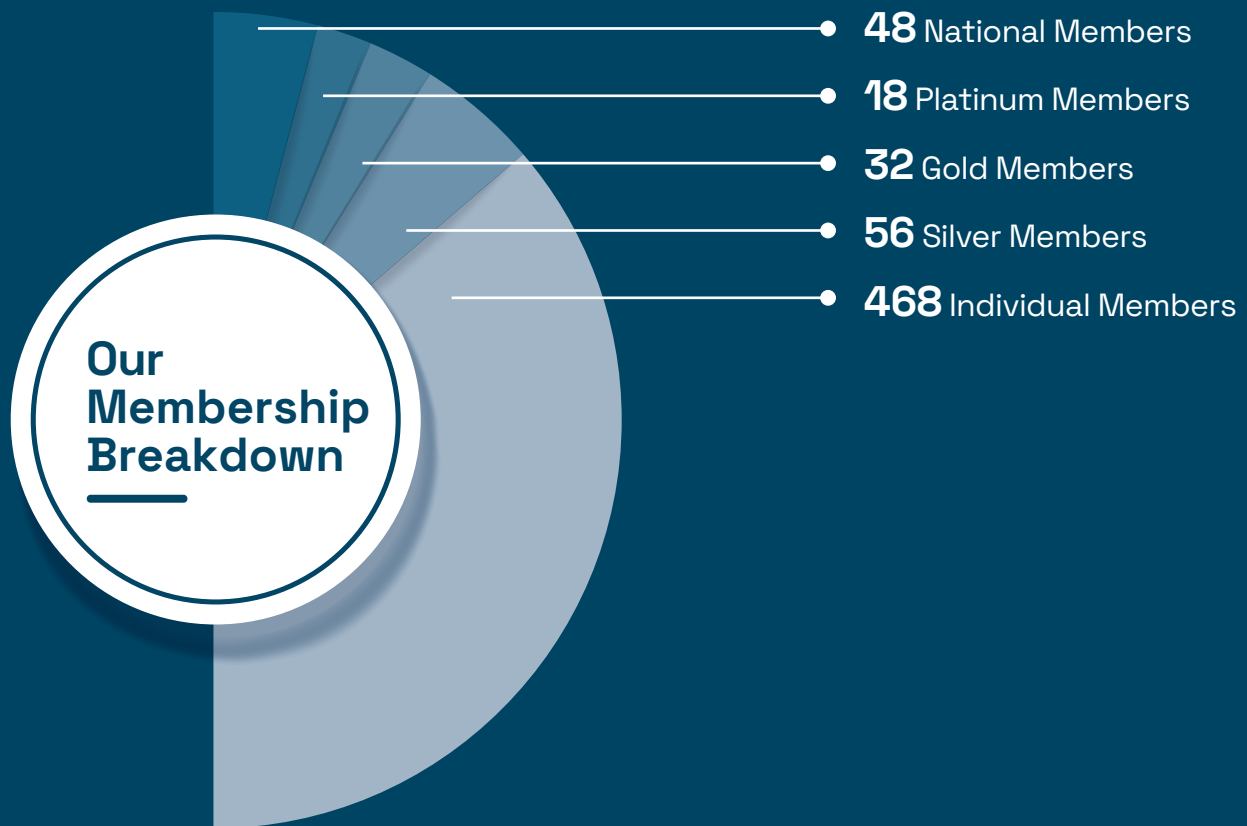
Regards,

Marc Tjihuis



Membership Update

What a year 2022 has been! We at **ISWA** cannot thank our members enough for all their continuous support and contribution throughout the years. This year we saw some positive growth in our membership. We now have:



With **ISWA's** growth we are able to achieve our mission to promote better waste management practices by connecting waste experts and professionals with the resources they need to make a positive impact.

We saw increased interest from organisations in the Middle East, where we received a number of members from the UAE, Saudi Arabia, and Oman. One of the reasons for this growth is due to **ISWA's** presence and involvement in various events and exhibitions in the region, as well as our active National Members from Oman and UAE.



Our National Members also welcomed a new member from Ecuador, which enhances our Regional Chapter in Latin America. With such an active Latin American Chapter, they have set an example to the other newly established Regional Chapters in 2022/2023.

The Latin American Chapter organised 12 events throughout the year in 2022, including online webinars and training courses.



The African National Members came together during the **ISWA** World Congress in Singapore, to kick off a discussion to establish the African Chapter. We are excited to have the opportunity to grow in this region as there is a huge potential for strengthening the waste sector in developing nations.

The Asian Chapter saw an excellent collaborative success in hosting an adjacent World Congress and Beacon Conference in September 2022. Our National Member in Singapore, WMRAS hosted the 38th edition of the **ISWA** World Congress, after which several speakers and participants joined the **ISWA** Beacon Conference in Langkawi, hosted by our National Member in Malaysia, WMAM.

The future of ISWA membership

From 2023 onwards, we hope to grow the membership, not just focusing on the waste players but also to get manufacturers and plastic producers to be part of **ISWA**. As waste is not just limited to collectors or solution providers, but cuts across various sectors. We also plan to establish new regional chapters in the Middle East this year, to go in line with the **ISWA** World Congress in Oman, as well as the UNFCCC COP28 in Dubai.

Through its growing membership base, **ISWA** continues to build a strong network of sustainability professionals who can share knowledge and resources to create real change.



The **ISWA** Scientific and Technical Committee

The Scientific and Technical Committee (STC) represents **ISWA's** technical expertise. It is governed by its Chair and the current Chairs and Vice Chairs of the 10 **ISWA** Working Groups. Recognising also that there are cross-cutting issues that touch upon topics addressed by several and sometimes all WGs, the STC works on flagship projects through specific Task Forces. The STC has been working in strategic projects through 2022 and it is building on the bases for the future of the body revisiting strategic issues for the upcoming years as well as revising internal processes.

TRP+

The Training Resources Package (TRP+) is an initiative from the Working Group on Hazardous Waste. Launched at the 2022 **ISWA** World Congress, TRP Plus revitalizes the original 2002 Training Resources Package (TRP) into an interactive, updated digital platform. The website overcomes the original's limitations and fading visibility, providing enhanced, up-to-date hazardous waste management training materials. It leverages the latest e-book formats and interactivity to offer users a superior experience. TRP Plus, with its focus on accessibility, seeks to be a crucial resource in regions lacking in waste management training, invites all interested parties to explore, engage with, and utilize this new resource in their hazardous waste management efforts.

Financing Waste Management

Under the Scientific and Technical Committee, **ISWA** brought forward a new initiative "Financing Waste Management" to identify and assess the pathways and conditions we should acknowledge and disseminate within our sector to enable companies and governments to access affordable funding using different instruments and mechanisms.

The project had a session at the 2022 **ISWA** World Congress in Singapore.

Marine Litter Task Force

The MLTF produced the final deliverables in the form of a Comparative Study of the applications of the calculator as well as a report on the Rotterdam applications. The results have been presented at the **ISWA** Conference held in Rotterdam in December 2022. The Task Force will release its final communications package later in 2023.

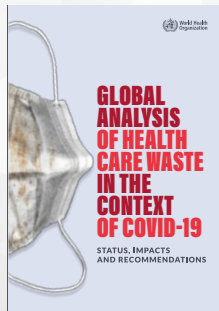
Working Groups and Task Forces

Working Group on Recycling and Waste Minimisation (WGRWM)

A 3-day spring event was held on April 20-22, 2022 at OVAM, the Public Waste Agency of Flanders in Mechelen, Belgium. It was led by WGRWM Chair, Anne Scheinberg and Vice-Chair, Dirk Nelen and was hosted by VITO, the Flemish Institute for Technological Research. The event included a working group meeting, a CALC (Circular and Low Carbon Cities) mini conference that featured cities' initiatives towards circularity, indicators to measure them, and metrics for waste prevention cascades and its associated CO₂ offsets, and a study visit to the following waste treatment plants in Belgium: Indaver, 't Veer, and Galloo.



WGRWM Annual Spring Meeting in Mechelen, Belgium on 20 April 2022



Working Group on Healthcare Waste (WGCHW)

ISWA's Working Group on Healthcare Waste collaborated with the World Health Organization (WHO) to produce a comprehensive report on healthcare waste management during the COVID-19 pandemic. The report titled "WHO

Global analysis of health care waste in the context of COVID-19" is a global analysis of the effects of COVID-19 on healthcare waste management. It identifies the challenges that have arisen due to the pandemic, including the increased volume of medical waste generated and the shortage of appropriate waste management resources. This collaborative effort by **ISWA** and WHO aims to promote sustainable healthcare waste management practices and minimize the potential risks of infection and environmental damage. The report is a valuable resource for healthcare professionals, policymakers, and waste management experts in mitigating the impacts of the pandemic on healthcare waste management.



There is growing appreciation that health investments must consider environmental and climate implications, as well as a greater awareness of co-benefits of action. For example, safe and rational use of Personal Protective Equipment will not only reduce environmental harm from waste, but it will also save money, reduce potential supply shortages and further support infection prevention by changing behaviours.

Dr Anne Woolridge, Chair of the Health Care Waste Working Group, International Solid Waste Association (ISWA).

Events

In 2022, **ISWA** was present in 42 online and offline events, of which 30 were supported or organized directly by **ISWA**.

ISWA was present in 18 countries in 2022: UAE, Dubai, Portugal, Italy, Greece, India, Singapore, China, Mexico, South Africa, US, Sweden, Germany, Argentina, Belgium, Brazil, Oman, Israel.

World Congress 2022 (21-23 September 2022)

The **ISWA** World Congress resumed in Singapore. It was organized for the first time after the pandemic, and it welcomed 1180 participants from all over the world.



UNFCCC CoP 27 (7-8 November)

In November, the Government of the Arab Republic of Egypt hosted the 27th Conference of the Parties of the UNFCCC Climate Conference (COP27) in Sharm El-Sheikh, with a view to building on previous successes and paving the way for future ambition to effectively tackle the global challenge of climate change.

The meeting comprised the twenty-seventh session of the Conference of the Parties (COP 27), the seventeenth session of the Conference of the Parties serving as the meeting of the Parties to the Kyoto Protocol (CMP 17), and the fourth session of the Conference of the Parties serving as the meeting of the Parties to the Paris Agreement (CMA 4).

4 delegates representing **ISWA** attended the CoP 27 in Egypt, where **ISWA** organized side events and booth to demonstrate the importance of circular economy and waste management for the climate change mitigation agenda.



Expos and trade fairs

ISWA was present at several expos throughout the year.

IFAT 2022 finally opened its doors again in Munich, Germany, from the 30th of May to the 3rd of June 2022. This was preceded by a four-year forced break due to the pandemic. There was a lot of excitement from everyone to catch-up in person and there was a large range of discussion rounds, presentations on formal stages and networking opportunities. **ISWA** can look back on an amazing week, full of inspiring conversations and interesting topics discussed at the booth, on the forum stage and at other networking opportunities, such as our two side events. A large number of these were with new contacts. **ISWA** hosted a record number of booth visitors, ranging from government representatives, members of the private sector and, excitingly, many young professionals from across the globe. We welcomed three formal delegations from the Ministries of Brazil, Singapore and Malaysia, all giving memorable presentations. The networking drinks were also a success and used by members and non-members to re-connect and exchange news and ideas in a comfortable and relaxed atmosphere.

Statistics at **IFAT**:



2,984 exhibitors exhibitors from **59 countries**



159 visitors from **25 countries** registered their interest at the **ISWA** booth



Ecomondo

ISWA was present at Ecomondo in Rimini Italy.

Ecomondo is the leading Euro-Mediterranean area green and circular economy expo. An international event with an innovative format that brings together all sectors of the circular economy in a single platform: from material and energy recovery to sustainable development.

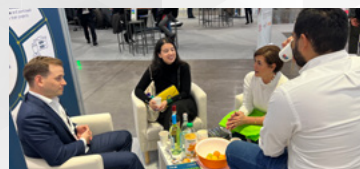
Italy is among the leading countries in Europe in the green and circular economy, in particular in energy efficiency, waste recycling and resource productivity. For this reason, Ecomondo is a reference point in the international panorama, where all the leading companies of the sector can meet and discover the trends, innovations and new technologies and exchange views with sector professionals.

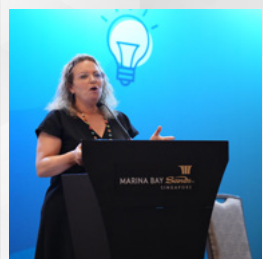


Rotterdam NVRD Circular Economy Conference

ISWA, in collaboration with the City of Rotterdam and NVRD, hosted a joint event discussing waste management's role in climate change and the transformative potential of the circular economy. The session kicked off with insights from the **ISWA** President, fresh from the UNFCCC Climate Conference (COP27), who spoke on the pivotal role of the circular economy in climate change mitigation. The event then delved into the circular economy landscape in the Netherlands, addressing its impact, challenges, and opportunities while showcasing inspiring local projects and initiatives.

Community Spotlight





ISWA's Growing Global Community



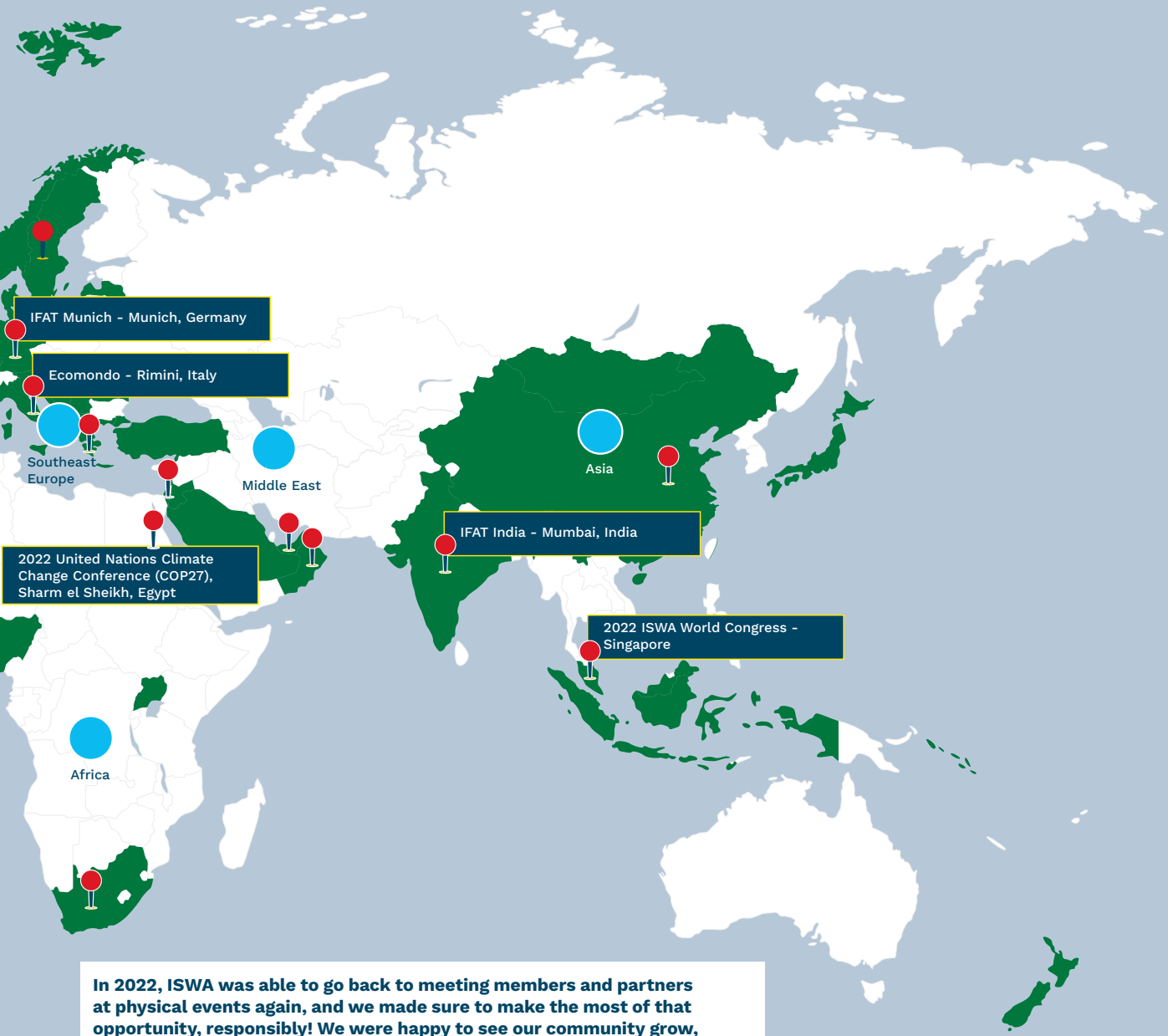
**ISWA
National Members**



Regional Chapters



ISWA Events



IFAT Munich - Munich, Germany

Ecomondo - Rimini, Italy

Southeast Europe

Middle East

Asia

IFAT India - Mumbai, India

2022 United Nations Climate Change Conference (COP27), Sharm el Sheikh, Egypt

2022 ISWA World Congress - Singapore

Africa

In 2022, ISWA was able to go back to meeting members and partners at physical events again, and we made sure to make the most of that opportunity, responsibly! We were happy to see our community grow, through active National Members and Regional Chapters.

Special Projects

CLOCC

The Clean Oceans through Clean Communities (CLOCC) is a community & network driven program owned by Avfall Norge and funded by Norad (the Norwegian Agency for Development Cooperation). The Program's vision is to achieve healthy societies and a clean environment - through sustainable communities, green jobs and business opportunities in circular value chains. In 2022 we expanded the project to two new locations - Tabanan, Bali and Chengalpattu, Tamil Nadu.

ISWA established several international partnerships in 2022 and finalized MoUs with strategic partners that are working towards a similar goal. We were present at several events internationally including at IFAT events in Germany and India. We signed MoUs with Engineering X of the Royal Academy of Engineering, R20 and the Alliance to End Plastic Waste.

International Plastic Treaty Task Force / Intergovernmental Negotiating Committee (INC)

In February 2022, at the resumed fifth session of the United Nations Environment Assembly (UNEA-5.2), a historic resolution (5/14) was adopted to develop a legally binding instrument on plastic pollution with the ambition to complete the negotiations by end of 2024.

The instrument will be based on a comprehensive approach that addresses the full life cycle of plastic. The INC will consider how to promote sustainable production and consumption of plastics from product design to environmentally sound waste management through resource efficiency and circular economy approaches.

ISWA created a special task force that will work as the link towards the INC process, providing input through the research in the network and the advice from **ISWA's** experts.

EU Projects

ALMA

This year the project team established the redesign of the baseline vehicle through eco-design principles resulting in a 23% reduction in weight over the body-in-white reference design for a full electric conversion of a standard passenger car. The LCA shows that the implementation of the new materials and designs results in energy savings of approximately 6% overall. Studies into the recyclability have so far shown that the new materials will still have effective recycling pathways at the end of life. **ISWA** as communication and dissemination partner coordinated ALMAs

participation in the EnLightEV cluster, joining other lightweighting projects in dissemination events such as the Conference on Results from Road Transport Research in Brussels and the Transport Research Arena in Lisbon. **ISWA** also co-organised a special webinar on LCA in the Automotive Sector to discuss the state of the art and promote the use of tools like BEVSIM created by ALMA to make LCA more accessible to designers and engineers so that they can integrate this tool into an eco-design processes, a strategy we think should be copied in other sectors as well.

In this last year the project will focus on fine tuning and manufacturing the demo parts as well as demonstrating the supporting technologies for life extension and recycling to ensure a more circular product. Keep an eye out for news and the final event at the end of 2023.



DECOAT

At the moment, most multi-layered plastic products end up in incineration or landfill. This is also true for thin coatings that are used to add essential qualities to end products. DECOAT promotes circularity by making it possible to separate layers and remove coatings from plastics and textiles so that they can then be recycled. The two separation technologies being researched, the Indar primer for debonding on demand and a solvent based recycling process, were tested on several use cases – so far with very promising results. **ISWA** as dissemination and communication lead for the project helped to promote the successful tests, including the use of the Indar primer to separate coatings from polyester textiles for recycling at the Centexbel International Conference on Textiles 2022 in Gent. Dr. Anne Scheinberg, Chair of **ISWA's** Working Group on Recycling and Waste Minimisation was also there to present on the work of the Circular and Low Carbon Cities project towards defining a circular indicator. The project will be ending 2023 with a final event scheduled for the European

Coatings Show in Nuremberg. Stay tuned for more information, including a special eco-design tool that can help manufacturers choose the right de-coating technologies for their product.

RECLAIM

The RECLAIM project, funded under the EU Green Deal, aims to revolutionize the recycling industry by developing a portable, robotic Material Recovery Facility (prMRF) for small-scale, efficient material recovery. The initiative seeks to harness advances in AI, robotics, and data analytics to automate and enhance productivity in recyclable materials recovery, particularly in smaller, less accessible areas. A standout feature of RECLAIM is its multi-robot, multi-gripper system, featuring low-cost Robotic Recycling Workers (RoReWos) guided by an AI module that uses both visual and infrared imaging to identify and sort recyclable materials. In addition, a citizen science element involving a novel Recycling Data-Game will boost public engagement and help retrain the AI module. The project's technological developments will be put to the test in real-world recovery tasks across various scenarios to affirm their effectiveness and encourage wider market adoption. **ISWA** is excited to join this pivotal project as the communications and disseminations partner for the next three years, helping to promote a zero-polluting, climate-neutral, and sustainable Europe.



ISWA Publications

Waste Management & Research

The Waste Management and Research (WM&R), the Journal for a Sustainable Circular Economy, has achieved remarkable milestones in 2022.



WM&R has reached an **Impact Factor of 4.432**, a 25% increase compared to the previous year. The Impact Factor indicates the frequency on citations of articles published in the journal. This increase is a testament of the continuous commitment and exceptional expertise of the Editorial Group, the Editorial

Board and the International Advisory Board of Waste Management & Research. This is associated with the increasing quality of articles contributed by top calibre authors across the globe.

In the beginning of 2022, Anke Bockreis from the University of Innsbruck in Austria, became the new Senior Editor-in-Chief of WM&R. Together with the whole Editorial Group (EG): the two Editors-in-Chief Arne Ragossnig and Costas Velis, and the 12 Associate Editors Abhishek Kumar Awasthi, Andreas Bartl, Alberto Bezama, Mohan B. Dangi, Brajesh Kr. Dubey, Dimitris Dermatas, Mario Grosso, Sigrid Kusch-Brandt, Rodrigo Navia, David E. Ross, Nemanja Stanisavljevic and Antonis A. Zorpas, WM&R has successfully managed to provide high quality content publications.

In 2022, WM&R has started to offer 64 open access (OA) waivers to outstanding manuscripts to provide more OA content as reference to various studies and research. This gives recognition to high quality articles from top calibre experts and researchers across the globe. The **ISWA** members are continuously enjoying free access to the journal.

WM&R has published two Special Issues (SI) in 2022 and these include the Marine Litter and the **ISWA** World Congress. WM&R Special Issues are usually published around various conferences and key topics in waste management.

Every year, WM&R gives recognition to high quality research and reviewers as an expression of gratitude to the valuable contributions to the journal. For 2022, the Editorial Group awarded the “WM&R Best Paper Award” to, Federica Ruggero, Riccardo Gori, and Claudio Lubello for their article, “Methodologies to assess biodegradation of bioplastics during aerobic composting and anaerobic digestion: A review”. The winners of the 2022 “Best Reviewer Award” were Navarro Ferronato and Abhishek Awasthi. The winners of the 2022 “Rising Star Award” were, Erfan Babae Tirkolae and Nadi Serhan Aydin for their paper, A sustainable medical waste collection and transportation model for pandemics.



WM&R Editors during the ISWA World Congress 2022 in Singapore (left to right): Arne Ragossnig, Abhishek Kumar Awasthi, Anke Bockreis, Michael Nelles and Marc Tjihuis, ISWA Managing Director

Waste Management World

In 2022 Waste Management World published 6 print issues.

Apart from the print editions, there was a strong focus on the web presence of the magazine. Therefore, in January 2022 WMW launched its new website offering digital subscriptions as well as subscribers only content.

The sector has seen positive growth in the number of women that now work in the still male dominated waste management industry. However, they often stay practically invisible. To change that Waste Management World started a new series called “Women in Waste Management” to bring women in the industry into the spotlight.



Here are some of the topics WMW covered in 2022:

-  **Biowaste in the USA: Composting and Anaerobic Digestion are gaining ground**
-  **Heat generation from Compost**
-  **Small scale anaerobic digesters**
-  **CCUS and Waste-to-Energy**
-  **EV-batteries recycling**
-  **Biogas and Biomethane: Sustainable and local energy generation**
-  **Wood recycling**
-  **Alternative fuels for waste collection fleets**
-  **Plastic recycling: From enzymatic recycling to mechanical recycling and chemical recycling**
-  **AI and data driven technology in the recycling process**
-  **The role of WtE in a circular economy**

Waste Management World was available at some of the biggest trade fairs in 2022, from IFAT to Ecomondo and the **ISWA** World Congress.



Reports Launched

Available Technologies in the Field of Waste to Energy Report



The **ISWA** Working Group on Energy recovery has been preparing a report aimed to assist stakeholders involved in the development of Municipal Waste Management Solutions, especially Decision Makers (mostly Public Authorities) in countries where Energy from Waste

(EfW) is not yet familiar or implemented, particularly where sustainable solutions are required for the increasing number of large cities and densely populated areas where waste collection, transport to the treatment site, land availability, health and climate change aspects are becoming major concerns. The report is expected to be launched in 2023.

Waste Collection Technologies



The WG on Collection and Transportation Technologies launched a report into the research of sustainable and alternative waste collection vehicle usage at the **ISWA** World Congress in Singapore in 2022.

Women of Waste (WOW!)

The **ISWA** WOW! Task Force is taking the lead to empower women in the waste sector and these include women in the Informal Recycling Sector (IRS). The role of IRS in increasing plastic recovery is being recognized as a solution to plastic pollution.

On September 22, 2022, during the **ISWA** World Congress in Singapore, the policy paper “A Seat at the Table, the Role of the Informal Recycling Sector in Plastic Pollution Reduction, and Recommended Policy Changes” was successfully launched. The event was attended not only by empowered women but also others who believed and expressed support to this initiative.



The policy paper aims to provide a holistic understanding of the IRS in the global context and to recommend inclusion of IRS in the critical elements of the global plastic pollution agreement. It highlights the need to recognize the remarkable contributions of the

IRS in the waste management sector and the need for a transition of the IRS towards the overall value chain of plastics.

ISWA Young Professionals Group

With a new leadership team elected in and the pandemic slowly becoming a fixture in our rear view mirrors, **ISWA's** YPG members saw a once more active year of community meet ups and initiatives.



ISWA's YPG organised 10 events through 2022, a variety of online, offline and hybrid gatherings for their community.

YPG Mentorship Programme 2022: April 2022 onwards

The YPG mentorship programme started early 2015 and was officially launched at the **ISWA** World Congress in Antwerp. The idea behind this initiative is to connect Young Professionals with **ISWA's** senior experts and leaders, i.e. those serving on the Board and the Scientific and Technical Committee of **ISWA**. This connection enables the Young Professionals to seek advice from their mentors in their career development as well as in technical content of their work or studies.

Official kick-off event of ISWA-Germany Young Professional Group (YPG) at IFAT 2022, Munich

This event took place as part of a brainstorming workshop organized by the science corner of Hamburg Institute for innovation climate protection and circular economy (Hiicce) together with **ISWA**, RETech, DGAW, and IWWG.

In the form of a friendly get-together, the hosts talked about offered prospects for YPG followed by small group formations to discuss topics related to networking and career opportunities while enjoying small snacks. The groups were moderated by Roland Thompson (head of **ISWA** YPG), Andrea Winterstetter (previous head of **ISWA** YPG regional chapter group), and Haniyeh Jalalipour (representing **ISWA** YPG Germany).

The YPG Accelerator: August 2022

The YPG Accelerator program is a chance for Young Professionals to promote their business, innovation or concept through the world's largest waste association and a chance to win cash prizes to promote and support their idea.

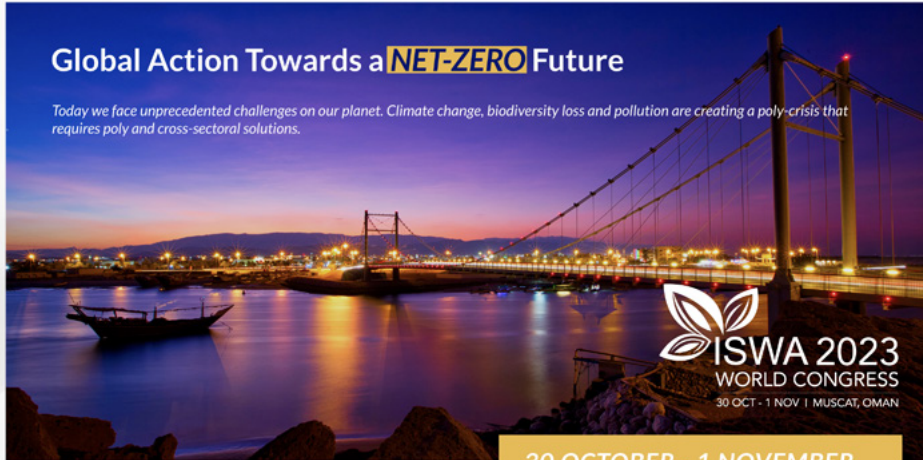
We received around 40 submissions, and the winners will be announced in early 2023.



ISWA World Congress 2023

Global Action Towards a **NET-ZERO** Future

Today we face unprecedented challenges on our planet. Climate change, biodiversity loss and pollution are creating a poly-crisis that requires poly and cross-sectoral solutions.



**30 OCTOBER - 1 NOVEMBER
MUSCAT, OMAN**

The topic of this congress is designed to highlight the key role that the waste and resource management sector, as well as the transition to a circular economy, could play in achieving a net-zero future. A future where we can achieve climate neutrality, zero pollution and halt biodiversity loss. Effectively tackling ecological and climate collapse.

The international community's call to move from 'moment to momentum' has been widely discussed. Now is the time to think about action and seize the opportunities to develop business cases to support the transition.

The waste and resource management sector is a key contributor to addressing the triple planetary crisis, and the ISWA 2023 World Congress will showcase and discuss what the sector can do in practical terms.

#ISWA 2023 will highlight the key role that the waste and resource management sector and the transition to a circular economy could play in achieving a net-zero future.

Congress sessions will include, but are not limited to, the following themes:


- Safeguarding human health and the quality of the environment
- Combating climate change
- Advancing resource efficiency and the circular economy
- Adopting new technologies and transforming sectors towards a circular economy
- Fostering good governance and inclusion
- Health and safety in the waste sector

Where to find us in 2023

Looking forward to the coming year of **ISWA** interactions – here's a snapshot of where **ISWA's** key engagements in 2023.

 **EcoWASTE Exhibition and Forum** Abu Dhabi, U.A.E, January 2023


 **CORE 2023: National Member Event** Jaipur, India, March 2023

 **ISWA Study Tours** Vienna, Austria, May and September 2023

 **IE Expo China** Shanghai, China, April 2023

 **IFAT Eurasia** Istanbul, Turkiye, April 2023

 **Second Session of the Intergovernmental Negotiating Committee on Plastic Pollution** Paris, France, May 2023

 **IFAT Africa** Johannesburg, South Africa, July 2023

 **Ecomondo – the Green Technology Expo** Rimini, Italy, November 2023

 **Third Session of the Intergovernmental Negotiating Committee on Plastic Pollution** Nairobi, Kenya, November 2023

 **United Nations Climate Change Conference**
Dubai, U.A.E., November 2023

 **International Conference: Circular Economy in Plastics**
Vienna, Austria, December 2023



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