

August 27, 2025

Shaping Water Laws in Australia & New Zealand

The International Zinc Association's Environmental, Health, and Sustainability (EHS) team recently led a workshop in Wellington, New Zealand to assist water regulators in both Australia and New Zealand with implementation of updated water quality regulations. EHS Director [Eric Van Genderen](#) and Manager [Adam Ryan](#) have worked with state and national regulatory scientists from Australia and New Zealand, international experts, and industry sponsors since 2017 to develop the new guidelines and an implementation approach.

Key topics during the workshop included data collection, calculation of guideline values, and the tiered implementation framework. In particular, several questions from the 112 participants centered around the timing for availability of guidance and supporting tools. The expert panel and workshop participants recognized that without support from IZA and the Nickel Producers Environmental Research Association (NiPERA) that this necessary step toward implementation would not have been possible.

The new tiered assessment framework is based upon bioavailability-based guidelines incorporating the beneficial impacts of various water chemistries as well as more extensive data similar to methods adopted in 2019 in Europe.

Along with the framework, IZA worked with other organizations to curate databases, develop web-based tools, and generate training manuals, which will be made public later this year. By serving as trusted advisors on water regulations around the world, the IZA team ensures the use of the best available scientific data to assess the impact of zinc on water quality.



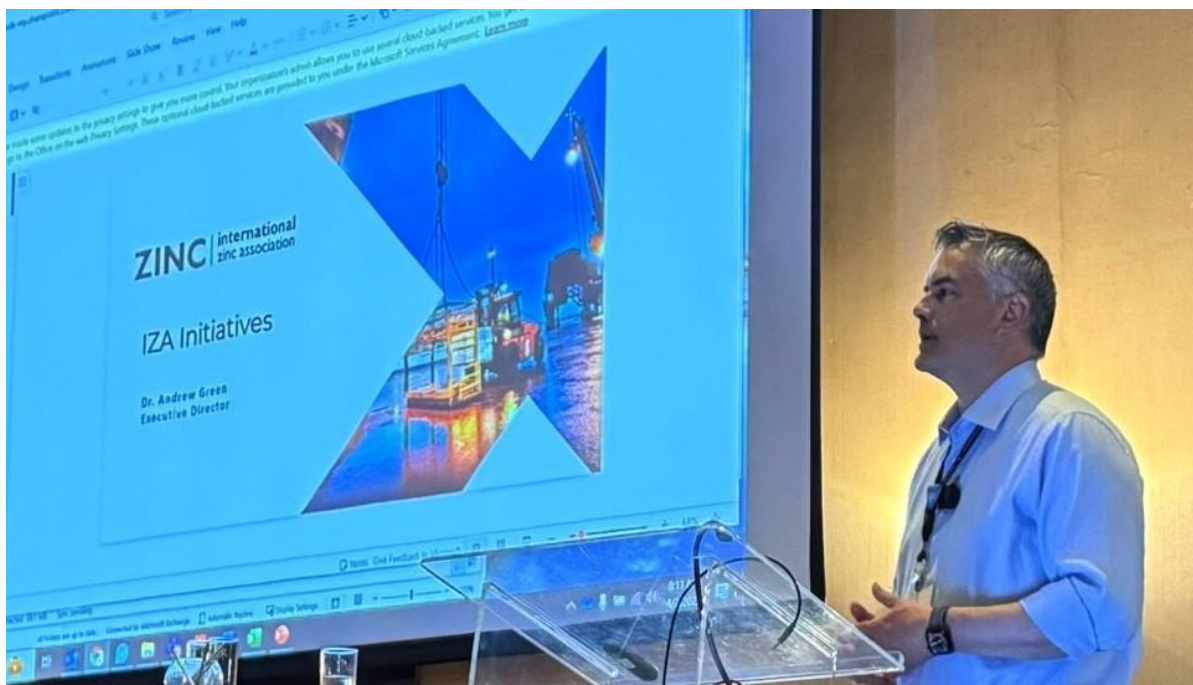
IZA Working Around the World: Spotlight on India

From coatings to die castings to micronutrients in fertilizers, the IZA team is making market gains for zinc in India. The Indian office is working with three steel manufacturers to set up lines for continuously galvanized rebar in India and Oman, in addition to IZA experts providing workshops for several key galvanizers. India office Director [Rahul Sharma](#) has worked closely with the Bureau of Indian Standards to develop standards for continuously galvanized rebar as well as for other zinc coatings and alloys.

Zinc has made huge inroads in India's automotive sector, with leading manufacturers Maruti Suzuki and Mahindra & Mahindra pledging to only use galvanized steel in their new models. The IZA team also works with Tata Steel in the Galvanized Autobody Partnership to develop hot-dip galvanizing technology for high-strength automotive steels. For India's railways, which will move to zinc thermal spray to protect assets, IZA will offer a training workshop later this year in Sabarmati.

Shifting from zinc coatings to alloys, an IZA die casting expert will host a series of seminars in Delhi, Rajkot, and Chennai/Aligarh in addition to visiting several plants. These November events are designed to provide a technical education for zinc die casting engineers, management, and their suppliers.

Another growing market for zinc in India is micronutrient fertilizers, spearheaded by [Zinc Nutrient Initiative](#) Director [Soumitra Das](#). Working closely with IZA member Hindustan Zinc Limited, the Maharana Pratap University of Agriculture and Technology, and the Indian Micro-Fertilizers Manufacturers Association, IZA has participated in the well-attended National Crop and Nutrition Summit as well as an Udaipur-based Project Workshop on zinc in crops, which demonstrated both the increased yields and nutritive value of crops treated with zinc micronutrient fertilizers. In addition, IZA is partnering with other key micronutrient fertilizer stakeholders to strategize implementation of recommendations made in the recently published Deloitte micronutrient white paper. For more information on IZA's work in India, please visit [IZA's India website](#).



Andrew Green presents updates on IZA initiatives to the American Galvanizers Association.

Key Collaboration to Promote Zinc Coatings

Whether through paint, thermal spray, or galvanization, the IZA team partners with like-minded associations whenever possible to promote zinc, as demonstrated by IZA's recent work with the [American Galvanizers Association](#) (AGA) in Denver. IZA Executive Director [Andrew Green](#) serves on the AGA Board, while Technology and Market Development Manager [Bernardo Duran](#) serves on six AGA committees.

One new AGA project centers on ensuring that hot-dip galvanized steel is included as an approved material in bridge design manuals throughout the United States, something IZA also does for other zinc coatings, including galvanized rebar, thermal sprayed zinc, and

zinc-rich paints.

The AGA also will concentrate on promoting the advantages of galvanized steel over black steel for coating panels and frames in the solar market. IZA’s Latin America representative [Emmanuel Alejandro Ramírez Gutiérrez](#) is providing guidance on this effort after gaining market share for galvanized steel over black steel for the support posts in vineyards spanning Central and South America as well as the recent installation in Ecuador of the first concrete utility poles using galvanized rebar following the rapid corrosion of previous poles, which contained black rebar.

Recently Emmanuel joined IZA's [Kevin Irving](#) to present as well as sponsor a joint booth at the Association for Materials Protection and Performance (AMPP) Mexico's Integrity Management and Corrosion Seminar IMCORRS 2025 in Mexico City. While Emmanuel spoke on hot-dip galvanizing (HDG) and HDG rebar, Kevin presented on the benefits of thermal spray zinc and both organic zinc and inorganic zinc paints.

The most recent example of the strong partnership between IZA and AGA is the Clean Energy Steel Construction Center, which was created to advance the use of steel in solar and wind power as well as the infrastructure for transmission and distribution. The center will coordinate stakeholder efforts, research galvanized steel’s longevity and sustainability, and advocate for regulatory standards that increase the use of steel.

Speaking and Writing of Zinc

IZA's [Zinc Battery Initiative](#) welcomes new member delfort, a manufacturer of fiber-based battery separators with operations in 20 countries. You can learn more about the Zinc Battery Initiative and delfort in this [BESTmag article](#).

A recent [EPC World Media article](#) explained zinc's efficacy as a coating for steel to prevent rust, ensure structural longevity, and reduce maintenance costs in humid environments, highlighting the corrosion challenges posed by India's monsoon season.

Earlier this month the IZA Brussels office hosted a Thought Leaders Forum to discuss past successes and brainstorm on current topics and future opportunities. The event featured reflections on challenges and achievements in the metals industry from the truly inspirational [Paul Kolisnyk](#), who is retiring after more than 40 years working at Teck Resources Limited.



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2025 CHINA INTERNATIONAL GALVANIZING SYMPOSIUM & EXHIBITION
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2025 Zinc Metal Roundtable

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