



CWRA ACRH

Canadian
Water
Resources
Association

Association
Canadienne
des Ressources
Hydriques

IN PROFILE



Photo courtesy Sarah Fruin



Photos courtesy Stephanie Woltman



PROMOTING
EFFECTIVE
WATER
MANAGEMENT



HIGHLIGHTS 2019

- › CWRA National Conference and Annual General Meeting, Water Week at Blue (ON)
- › Mid-Term Meeting and Workshop (SK)
- › Branch Conference (AB)
- › Short Course on the Principles of Hydrologic Modelling (ON)
- › Short Course on Principles of Hydrology (AB)

CWRA OVERVIEW



CWRA ACRH
Canadian Water Resources Association
Association Canadienne des Ressources Hydrauliques

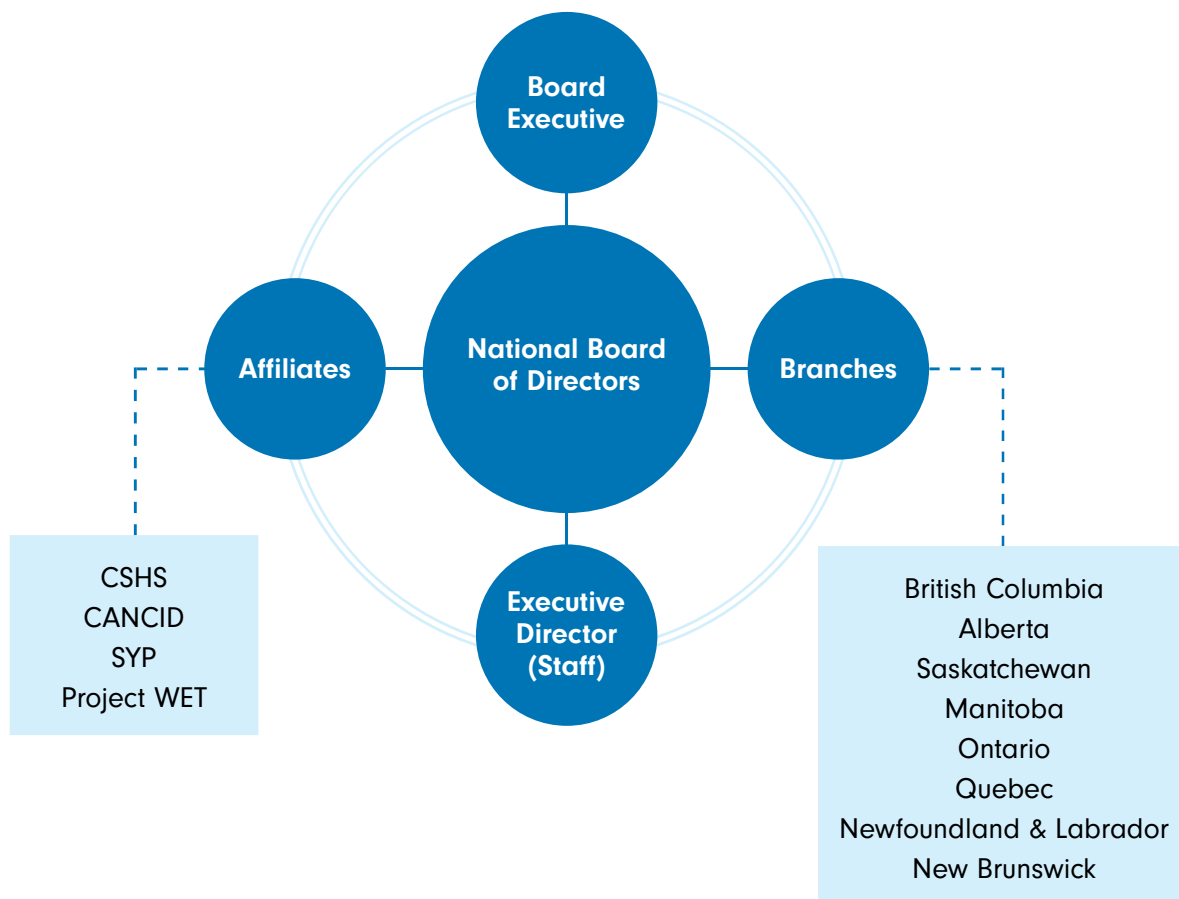


CWRA Mission: Promoting Effective Water Management

The Canadian Water Resources Association (CWRA) is a national not-for-profit comprised of members from the public, private and academic sectors who are committed to promoting responsible, innovative and effective water resources management. Our members come from across Canada and include provincial and municipal water managers, policy administrators, scientists and academics, hydrology/hydraulic professionals, and students.

Organizational Structure

CWRA is led by a national board that is supported by an administration with a modest staff. The members of the Board's Executive play an active role in CWRA operations that together with an Executive Director, report directly to the Board of Directors. CWRA has branches in most provinces and territories, and four national affiliate organizations (described in greater detail in the following pages).





OVERVIEW CONTINUED

What We Do

CWRA, formed in 1947 as the Western Canada Reclamation Association, is the only national organization addressing all water resources issues across the various regions of Canada. We offer a range of services and programs addressing the following main areas:

- › Professional Development – Certification courses, workshops, webinars and more.
- › Conferences & Events – Annual CWRA and special major conferences (see below). CWRA also participates in other organizations' events, workshops and activities in a variety of ways.
- › Expertise & Counsel – Leveraging the CWRA extensive membership to provide expert advice.
- › Education & Scholarships - Knowledge sharing, curriculum programs, educator training, and scholarships offered.
- › Partnerships & Collaboration – Work with like-minded organizations in pursuit of common goals.

Management

CWRA is led by a National Board of Directors and its Executive supported by an Executive Director and staff. The Board meets bi-annually (January, June) holding its annual general meeting concurrent with the CWRA national conference. Directors are elected by their respective constituents, or are designated members by their standing on a specific committee or one of the four affiliate organizations: Canadian Society of Hydrological Sciences (CSHS), Canadian National Committee for Irrigation and Drainage (CANCID), Student and Young Professionals (SYP) and Project WET Canada (PWC). CWRA is a heavily volunteer supported association with the majority of work being undertaken by members serving on various committees or CWRA boards. Without this tireless work, CWRA would not be where it is today in its 72nd year!

On the Horizon – 2018-2019

Water Week at Blue, May 26 - 31, 2019, Blue Mountain Resort, ON

- › CWRA will host our 71st National Conference and AGM with the theme: ***'Shared Water, Competing Ethics: Collaboration in Water Management'*** (May 26 - 31, 2018)
- › The 10th Annual Canadian Water Summit will conclude the week exploring: ***'Progress, Prosperity, and Partnerships: Driving Innovation in the Blue Economy'*** (May 29 - 31, 2018)
- › In addition to world class speakers addressing a wide range of current water resources issues from Canada and abroad there will be workshops, training sessions and field trips offered.
- › Scholarships and awards announced to post-secondary students. www.conference.cwra.org

Atelier sur la cartographie des plaines inondables et le changement climatique, le 6 décembre, 2018, Longueuil, QC

Short Course on Principles of Hydrology, January 10-21, 2019, Kananaskis, AB

Drainage and Drought in the Prairies Workshop, February 1, 2019, Regina, SK

Alberta Branch Annual Conference, April 14-16, 2019, Red Deer, AB

For more information, please visit: www.cwra.org
Or contact our Executive Director at executivedirector@cwra.org





Overview

The Canadian Society of Hydrological Scientists (CSHS), established in 1992, is an affiliate of the Canadian Water Resources Association (CWRA). As a national organization its focus is on hydrological sciences that encompass physical, chemical and biological processes in both surface water and groundwater, and in land surface/atmosphere interactions. CSHS is associated with the Canadian Geophysical Union (CGU) and provides linkages with the International Association of Hydrological Sciences (IAHS) through activities such as the Prediction in Ungauged Basins (PUB) initiative. The CSHS Chair is represented on the CWRA Board of Directors.



Photo courtesy Gillian Walker

Mission

CSHS is dedicated to the advancement and recognition of hydrological sciences and provides a linkage between hydrological research and applications. CSHS aims to promote the science of hydrology and its sound application in effective water management.

Reach and Impact

Since 2010, CSHS has helped provide specialized training to over 130 professionals and 260 students through courses, annual workshops and multiple webinars. They also lead hydrology-focused sessions at conferences and publish articles in WaterNews.

Activities and Services

Every year the CSHS conducts several activities for its members. The most popular activities include:

- › Short Course on the Principles of Hydrology - A multi-day classroom and field credit course in Kananaskis, AB.
- › Short Course on the Principles of Hydrologic Modelling - A multi-day classroom course on the development of computational models of watershed hydrology.
- › Canadian Model Stewardship Initiative - An initiative to preserve and advance Canadian hydrological modelling capability and intellectual property while reducing operational risk.
- › Canadian HydRology Project - An initiative that brings together professionals to develop and maintain modelling tools for use in Canadian communities.
- › Regular workshops and webinars aimed to inform members on advances in hydrology.

On the Horizon

- › Short Course on Principles of Hydrology, January 10-21, 2019 in Kananaskis, AB.
- › Short Course on the Principles of Hydrologic Modelling, June 3-8, 2019, Waterloo, ON
- › Participation at the 27th International Union of Geodesy and Geophysics General Assembly in Montreal, QC.

For more information please visit: www.cwra.org
Or contact Erika Klyszejko, CSHS President at CSHS@cwra.org





Overview

The Canadian National Committee for Irrigation and Drainage (CANCID), founded in 1956, is a permanent committee of the Canadian Water Resources Association (CWRA) and the national committee for Canada of the International Commission on Irrigation and Drainage (ICID). CANCID's members represent water professionals from across Canada. CANCID also promotes Canadian technology and water management techniques around the world as part of the Canadian International Development Agency (CIDA) and other international partnerships.

Mission

CANCID's mission is to stimulate and promote research, development and application of technology for those interested in irrigation, drainage and flood control in rural areas. Acts as an intermediary body between Canada and the International Commission on Irrigation and Drainage.

Reach and Impact

CANCID has reached many thousands by hosting webinars, regional workshops and conferences including three ICID Congresses with another being hosted in 2018 with the ICID Congress and Conference in Saskatoon. CANCID members have promoted Canadian technology and water management techniques around the world as part of ongoing efforts by the Canadian International Development Agency (CIDA) and through other international partnerships.

Activities and Services

Every year CANCID conducts several activities for its members including:

- › Active involvement in the CWRA Scientific Committee to promote, review and publish abstracts and new irrigation and drainage technologies.
- › CANCID themed webinars to ensure members throughout the country are connected and presented with the most recent irrigation, drainage and other agriculture topics.
- › CANCID is actively represented on international Working Group On-Farm Irrigation Systems (WG-ON-FARM) and ICID Journal Editorial Board.

On the Horizon

CANCID will continue to maintain a presence at the National level through participation at the 2019 National Conference and other events throughout the year. These events will provide an opportunity for CANCID to continue to promote discussion on water resources and how they relate to irrigation and drainage.

For more information about CANCID please visit: www.cwra.org

Or contact Warren Helgason, President at CANCID@cwra.org





Overview

The Student and Young Professional (SYP) program, first established in 2001 at the University of Waterloo, encourages community engagement, career development, and knowledge-sharing among young water professionals of Canada. SYP members include students and early-career professionals who have graduated within the past three years. Today there are active SYP chapters in British Columbia, Alberta, Manitoba and Ontario with plans to expand into other regions in the near future.



Photo courtesy
Nilufar Islam

Mission

SYP's mission is to engage youth involved in the water resources sector and provide them opportunities for skills development, networking, and knowledge-sharing.

Reach and Impact

Today, SYP chapters are home to over 150 members with a shared interest in water issues. Since 2001 SYP chapters have reached thousands of Canadians through informative seminars, workshops, and a range of water-related activities organized by SYP at local and regional levels. In some chapters, SYP teams up with other similar organizations to co-host events and increase networking opportunities.

Activities and Services

Every year, SYP chapters provide a range of activities and services for their members, including:

- › A mentorship program to connect members with local water resource leaders.
- › Seminars, workshops, facility tours and skills development in their areas of interest.
- › Blue Drinks – a networking event where young students and professionals gather and discuss water related issues.
- › Shoreline cleanup events – in alliance with the Great Canadian Shoreline Cleanup, SYP groups promote and organize events where volunteers join their communities to tackle the problem of litter on local shorelines.
- › Social activities including river tours, camping, BBQs and more!

On the Horizon

- › SYP will maintain a presence at the CWRA 2019 National Conference at Blue Mountain Resort and numerous local events. The national conference and local events provide useful opportunities to attract new SYP members, and could potentially help to establish new SYP chapters.

For more information about SYP please visit: www.cwra.org

Or send an email to: SYP@cwra.org



Overview

Project WET was launched in 1996 in Canada as a program of the Canadian Water Resources Association (CWRA). CWRA-Project WET Canada was the first international partner of this U.S. originated program which today is active in more than 50 countries on five continents and translated into many languages.



Project WET is a fun, hands-on, inquiry learning based, water education program designed for formal and non-formal educators of kindergarten to Grade 12 students. It is designed to supplement the existing provincial and territorial curricula (science, social studies, math, language arts and health and wellness) and is suitable for both indoor and outdoor learning environments.

Mission

Project WET's mission is to reach children, parents, teachers and community members with water education that promotes awareness of water and empowers community action to solve complex water issues.

Reach and Impact

To date, Project WET has trained 12,000 educators in 680 workshops across the country and reached over three million youth between the ages of 4 to 18+ years.



Photo courtesy
Project WET Foundation

Professional Development and Instructional Resource Materials

The program includes both full-day professional development certification workshops and half day advanced program workshops for educators on a range of teaching resources including:

- › The 592 page Project WET 2.0 Curriculum and Activity Guide providing multi-level lesson plans linked to formal education curricula and youth programs with a range of supporting resource materials.
- › The French language Project WET , Module 1, launched in September 2018, offering 21 multi-level elementary lesson plans from the English Project WET 2.0 Curriculum and Activity Guide.
- › The Early Childhood Education program, *Getting Little Feet Wet*, provides 11 interactive, hands-on activities for young learners ages 3 - 8 to explore different aspects of water.
- › Nine theme specific supplemental activity guides, the multi-title *Kids Discover Series* and numerous award winning children's books.

On the Horizon

- › Project WET is expanding its reach to teachers and students in remote northern communities, including Indigenous schools.
- › Expand implementation of *Getting Little Feet Wet* (GLFW), and Project WET, Module 1 across Canada.
- › Offer over 30 professional development workshops and certify over 450 educators across Canada over the next year.

For more information about Project WET Canada please visit: www.cwra.org/en/ProjectWET Or contact: ProjectWET@cwra.org or coordinatrice.projetwet@cwra.org



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 www.cwra.org



CWRANational



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