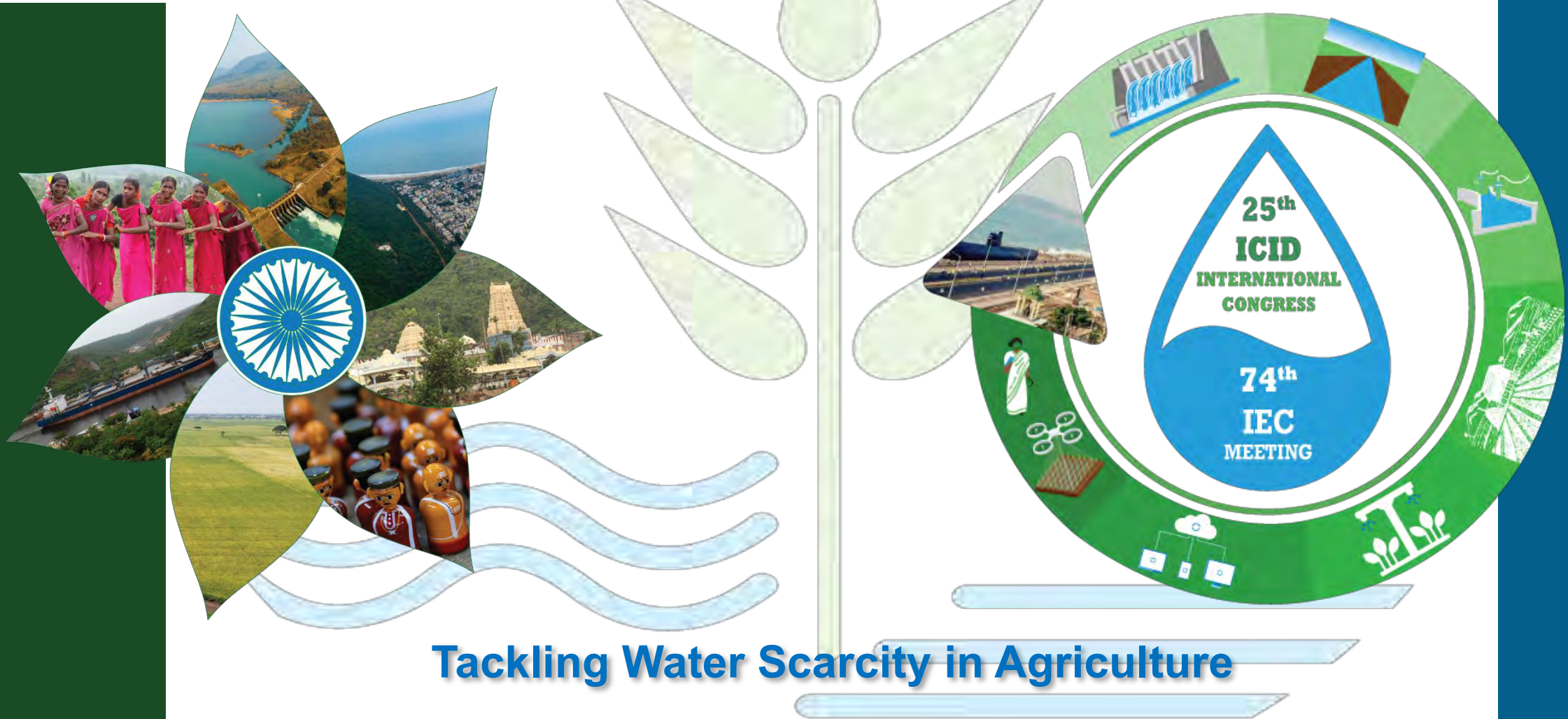


25th International Congress on Irrigation and Drainage & 74th International Executive Council meeting



Tackling Water Scarcity in Agriculture

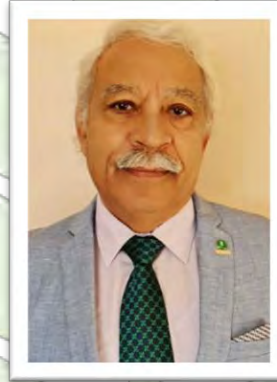


25th International Congress on Irrigation and Drainage & 74th IEC Meeting

1-8 November 2023, Vizag/ Visakhapatnam, Andhra Pradesh State, India



Opening Plenary (First Session): 4 November 2023, 09:30 – 11:00 hours



Item 1

Welcome and Opening Remarks by President Prof. Dr. Ragab Ragab



25th International Congress on Irrigation and Drainage & 74th IEC Meeting

1-8 November 2023, Vizag/ Visakhapatnam, Andhra Pradesh State, India





Agenda 2030 provides opportunity to ICID to revisit its vision and mission



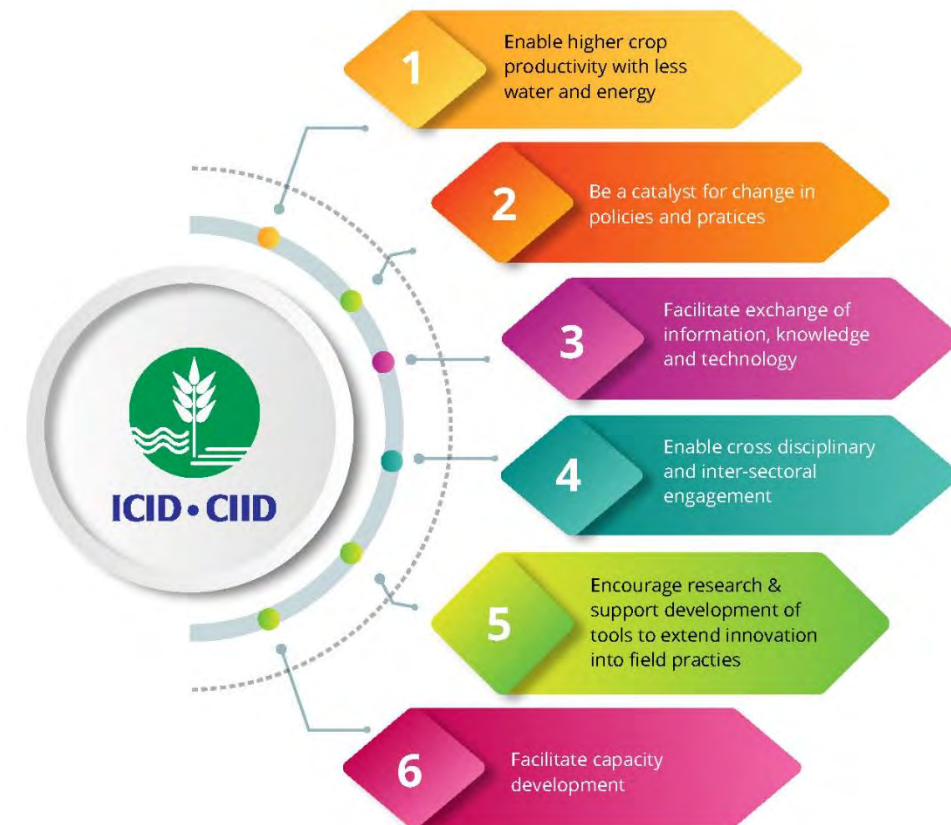
VISION

A water secure world, free of poverty and hunger achieved through sustainable rural development.



MISSION

To work towards sustainable AWM through inter-disciplinary approaches for economically viable, socially acceptable and environmentally sound irrigation, drainage and flood management.



25th International Congress on Irrigation and Drainage & 74th IEC Meeting

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ICID Membership Network (Active)

Now only Active ICID members are projected on ICID website with their details.



Only Active ICID members using their Member Login can see full information of NC and available details of Associate Members.

Your Presence Matters Here!!

ICID network spread over 110 countries, covering over 95% of the irrigated area of the world.
At present, 48 countries are actively involved in ICID activities.



25th International Congress on Irrigation and Drainage & 74th IEC Meeting


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Direct Members

https://icid-ciid.org/member/direct_member



EDUCATIONAL INSTITUTIONS DEALING WITH IRRIGATION, DRAINAGE AND FLOOD MANAGEMENT AND ALLIED SUBJECTS.

21

INDIVIDUAL



INSTITUTIONS OR ORGANIZATIONS INVOLVED IN RESEARCH, DEVELOPMENT AND TRAINING IN IRRIGATION, DRAINAGE AND FLOOD MANAGEMENT IN ALL ITS ASPECTS, INCLUDING POLICY ANALYSIS, WATER RESOURCES MANAGEMENT, AGRICULTURE AND INDUSTRIAL APPLICATIONS AND THE ENVIRONMENT.

2

INSTITUTION



COMPANIES WHICH PROMOTE, DESIGN, EXECUTE OR SUPERVISE IRRIGATION, DRAINAGE AND FLOOD MANAGEMENT RELATED TASKS; CARRY OUT SURVEYS OR INDUSTRIAL PROJECTS; AND /OR DEVELOP, SUPPLY OR APPLY RELEVANT EQUIPMENT, INSTRUMENTATION, HARDWARE OR SOFTWARE.

6

COMPANIES



25th International Congress on Irrigation and Drainage & 74th IEC Meeting

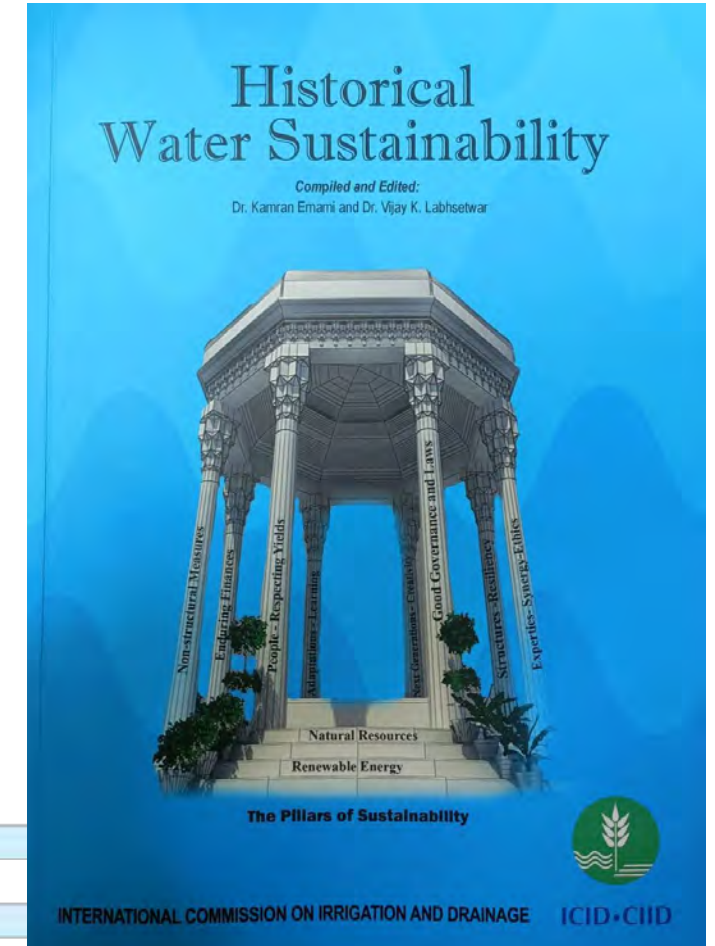
1-8 November 2023, Vizag/ Visakhapatnam, Andhra Pradesh State, India



ICID Publications

During 2022-23, ICID has intensively focused on the compilation of two major publications of ICID, namely:

- 1) Historical Water Sustainability and
- 2) World Heritage Irrigation Structures



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ICID Publications



25th International Congress on Irrigation and Drainage & 74th IEC Meeting
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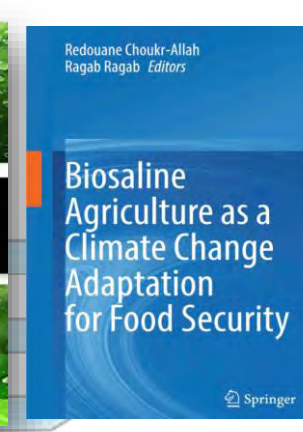
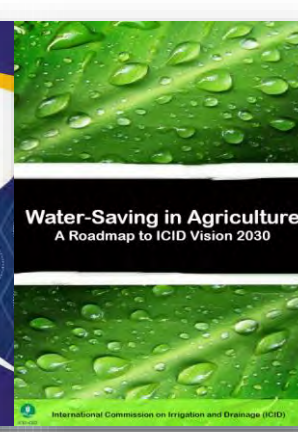
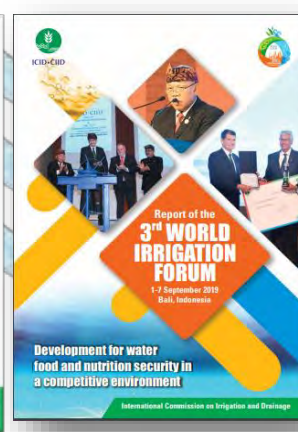
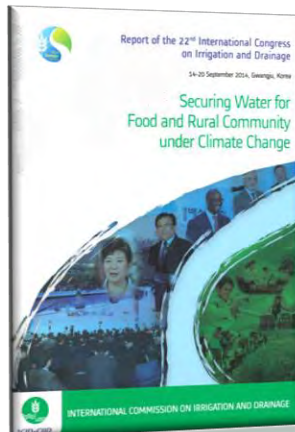
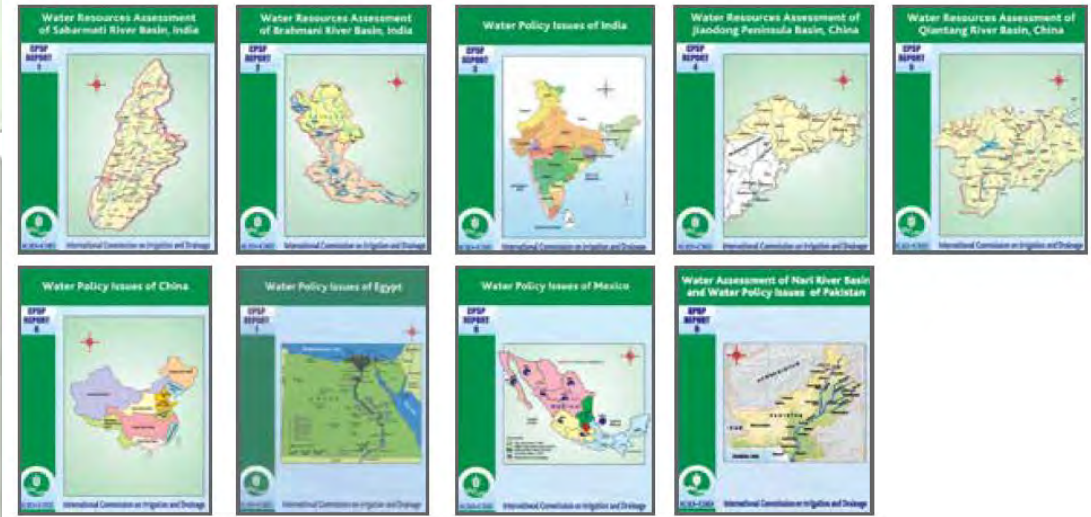


ICID Publications

Congress



Reports



25th International Congress on Irrigation and Drainage & 74th IEC Meeting
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AWARDS 2023



- **WATSAVE AWARD**
- **BEST PAPER AWARD**
- **SEVENTH BEST PERFORMING NATIONAL COMMITTEE AWARD (BPNCA-7)**
- **WORLD HERITAGE IRRIGATION STRUCTURES (WHIS)**



25th International Congress on Irrigation and Drainage & 74th IEC Meeting

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Future ICID Events

- ❖ **1st Middle East Regional Conference, Riyadh, Saudi Arabia**, 26-28 February, 2024 on the theme of “Irrigation Development and Sustainability”. The Saudi Irrigation Organization has also created a website <http://sacid2024.sio.gov.sa/> for the event giving details of submission of abstract and other logistics arrangements.
- ❖ **14th International Drainage Workshop, Dushanbe, Tajikistan**, 30-31 May 2024. The theme of the IDW will be “Modernization of Irrigation and Drainage Systems for adaptation to climate change and sustainable development”. This date is also subject to change depending upon the request of the Government of the Republic of Tajikistan.
- ❖ **75th IEC Meeting & 9th Asian Regional Conference, Sydney, Australia**, 1-7 September 2024
- ❖ **6th African Regional Conference, Abuja, Nigeria**, 14-18 April 2025
- ❖ **76th IEC Meeting & 4th World Irrigation Forum, Kuala Lumpur, Malaysia**, 7-13 September 2025
- ❖ **77th IEC & 26th ICID Congress, Marseille, France**, 12-18 October 2026
- ❖ **78th IEC & 5th World Irrigation Forum, Beijing, China**, 2027



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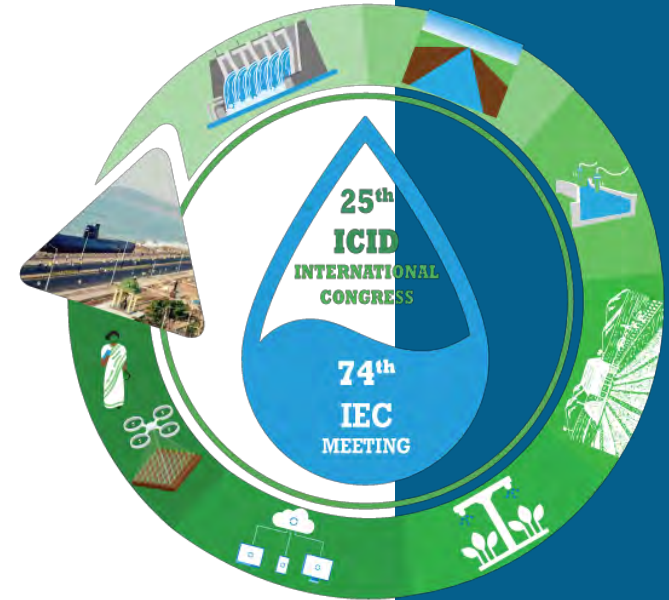


25th International Congress on Irrigation and Drainage and 74th International Executive Council Meeting



PRESIDENT'S REPORT

Prof. Dr. Ragab Ragab



25th International Congress on Irrigation and Drainage & 74th IEC Meeting

1-8 November 2023, Vizag/ Visakhapatnam, Andhra Pradesh State, India



Virtual Meeting Platform



- ▣ With millions of people being forced to stay home to help stop the spread of COVID-19, ICID Central Office and Members were in constant touch with the help of reliable and easy-to-use virtual technology (Zoom).
- ▣ During the pandemic period, ICID Central Office hosted more virtual meetings, webinars, and online training programs to fill the gap.
- ▣ Now online meetings have become an integral part of ICID business, which has shown to be the way to organize Monthly Meetings, Virtual Management Board Meetings, Virtual IEC Meetings, Virtual Workbody Meetings, etc.



Virtual Meetings Organized

- Organized **72nd IEC Meeting 2nd and 3rd Sessions** on 15 and 16 December 2021.
- Organized one **Special IEC Meeting on 27 March 2023** to discuss the development of the ICID Central Office Building.
- Conducted a total of **29 Monthly Meetings** (Hosted on the 1st Monday of every month) and approved the Minutes.
- Conducted **11 Virtual Management Board Meetings** (2021 – 4, 2022 – 3, 2023 – 4). In addition, three physical meetings were organized during the IEC.
- Organized **82 Virtual Workbody Meetings** (2021 – 27, 2022 – 23, 2023 – 32) and Minutes of the meetings were disseminated.
- In addition, participated and hosted numerous meetings of the partner organizations to strengthen the relations to take forward the mission and vision.



Webinars



- The Covid lockdown has resulted in most people taking to the Internet to communicate, interact, and continue with their job responsibilities from home. An opportunity for e-learning has been created by the pandemic with the availability of efficient online technologies. Webinars have filled in the lacunae of the learning process.
- Using this opportunity, ICID Central Office has made attempts to organize informative and knowledge rich webinars to interact with the irrigation and drainage community.
- During my period a total **32 webinars were successfully organized** and live recordings were made available on the ICID website/ social media channels (2021 – 15, 2022 – 13, 2023 – 4).

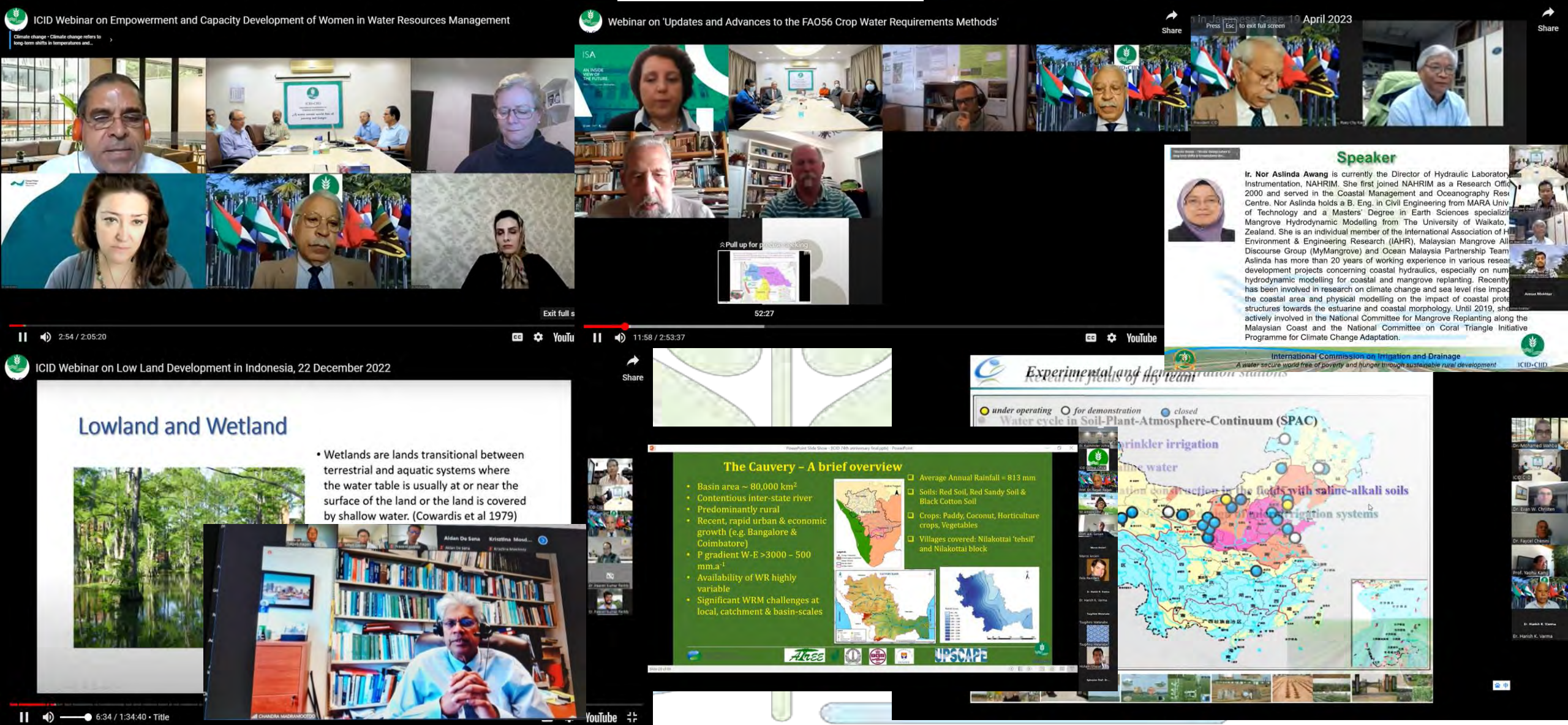
https://icid-ciid.org/inner_page/66



25th International Congress on Irrigation and Drainage & 74th IEC Meeting

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Successfully organized 32 webinars

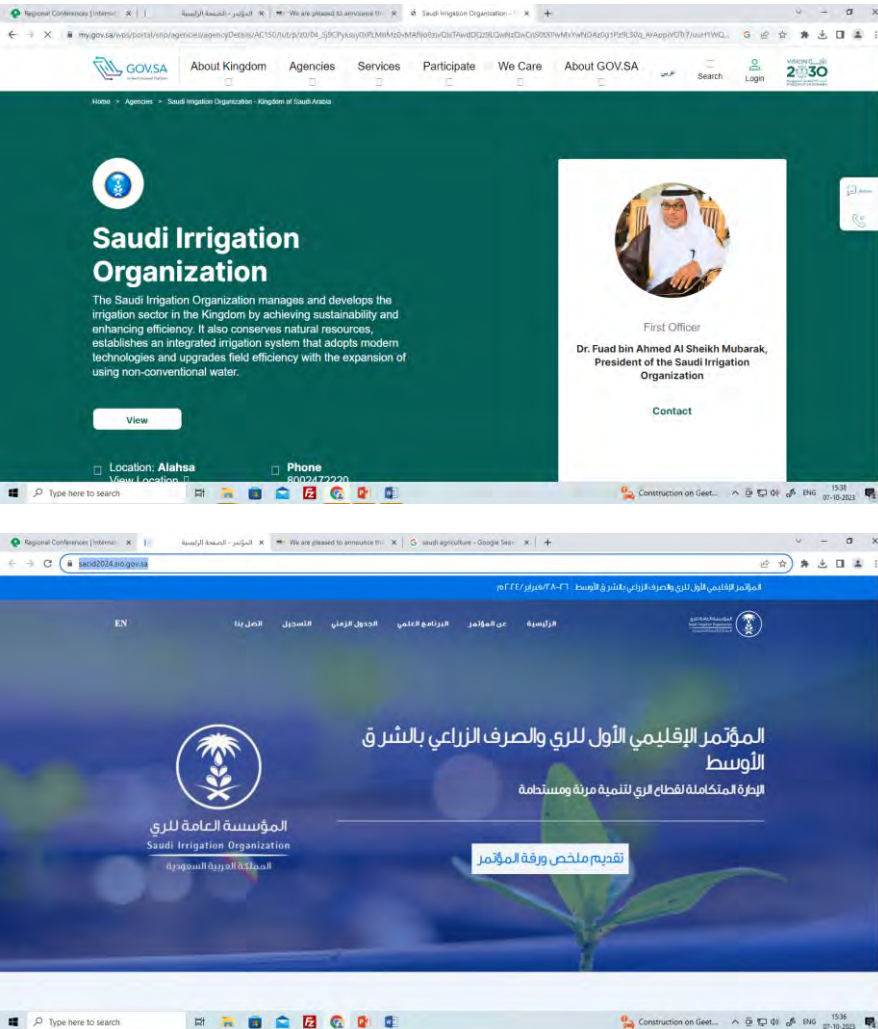
25th International Congress on Irrigation and Drainage & 74th IEC Meeting
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Middle East Regional Conference

- In addition to the Asian, African, European, and American Regional Conferences, introduced a new regional conference of the Middle East with support from the Saudi National Committee. The First Middle East Regional Conference is scheduled to be held from 26-28 February 2024 at Riyadh, Saudi Arabia on the theme: "Irrigation Development and Sustainability".

<https://sacid2024.sio.gov.sa/>



25th International Congress on Irrigation and Drainage & 74th IEC Meeting
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7 Memorandums of Understanding (MoUs)

- Strengthened the partnership and cooperation with partner organizations by signing MoUs:
 - International Association for Agricultural Sustainability (IAAS), January 2023, Dakhla, Morocco
 - International Water Management Institute (IWMI), October 2022, Adelaide, Australia
 - International Commission on Large Dams (ICOLD), June 2022, Marseille, France
 - African-Asian Rural Development Organization (AARDO), February 2022, New Delhi, India
 - International Center for Biosaline Agriculture (ICBA), September 2021, UAE
 - Arab Water Council (AWC), September 2021, UAE
 - International Center for Agricultural Research in the Dry Areas (ICARDA), October 2021, Virtual



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Restructuring of Workbodies



□ During our last, 73rd, IEC in Adelaide, it has been decided to restructure the working groups in order to:

- Avoid overlapping and combine WGs of similar / close mandate.
- Reduce the number of days allocated for WGs meetings in future IECs and reduce the time and cost of staying at the venue/event.
- Have a reasonable number of people in each WG (some have a few only) and achieve a reasonable output.

□ Proposed Themes:

- Irrigation and Drainage
- Natural Resources
- Climate Change & Impact
- Sustainable Development

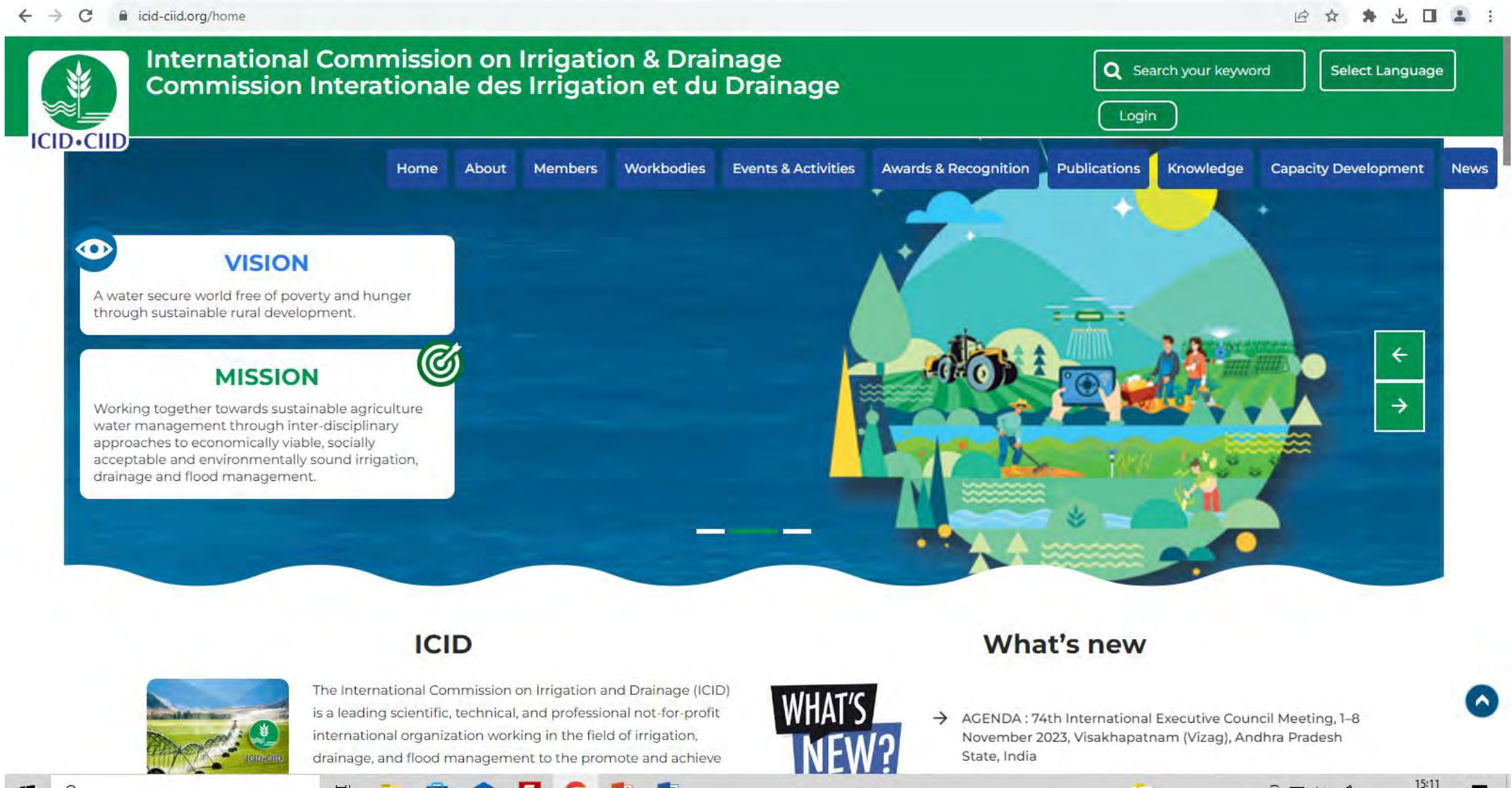


25th International Congress on Irrigation and Drainage & 74th IEC Meeting

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New Interactive ICID Website!



The screenshot shows the homepage of the International Commission on Irrigation & Drainage (ICID). The header is green with the ICID logo on the left and navigation links on the right. The main content area has a dark blue background with a large illustration of agricultural activities. On the left, there are sections for Vision and Mission. Below this, there are two columns: 'ICID' and 'What's new'. The 'ICID' section includes a small image of a field and a brief description of the organization. The 'What's new' section features a 'WHAT'S NEW?' graphic and a link to the 74th International Executive Council Meeting.

← → ↻ icid-ciid.org/home

International Commission on Irrigation & Drainage
Commission Internationale des Irrigation et du Drainage

Search your keyword Select Language Login

Home About Members Workbodies Events & Activities Awards & Recognition Publications Knowledge Capacity Development News

VISION
A water secure world free of poverty and hunger through sustainable rural development.

MISSION
Working together towards sustainable agriculture water management through inter-disciplinary approaches to economically viable, socially acceptable and environmentally sound irrigation, drainage and flood management.

ICID
The International Commission on Irrigation and Drainage (ICID) is a leading scientific, technical, and professional not-for-profit international organization working in the field of irrigation, drainage, and flood management to the promote and achieve

What's new
→ AGENDA : 74th International Executive Council Meeting, 1-8 November 2023, Visakhapatnam (Vizag), Andhra Pradesh State, India



25th International Congress on Irrigation and Drainage & 74th IEC Meeting
1-8 November 2023, Vizag/ Visakhapatnam, Andhra Pradesh State, India



ICID Website

- ▣ Established new ICID website which is creative, interactive and gives better access to web pages and sections; constantly updating the content with helpful information, articles, news, announcements, etc.
- ▣ Recently introduced features include:
 - Introduced new navigation with introduction of new sections
 - Dedicated section for Management (Past & Present)
 - Launched ICID Young Professionals Directory
 - Information of National Committees, Direct Members (Only active members are projected on public domain. Information on associate members can be seen only by ICID members after login)
 - Introduced Members Profile section with brief CV, publications, expertise, etc.
 - Introduced online membership forms
 - Introduced counter using statistics
 - Introduced a dedicated section President's Office
 - Introduced keyword based searching
 - Section on ICID Central Office Staff
 - Dedicated pages/ sections for workbodies
 - Expanded ICID events section with more resources
 - Re-designed and organized WHIS pages
 - Introduced Register of the World Irrigation & Drainage Schemes
 - Provided full ICID publication access through ICID members only section
 - Events Calendar
 - Expanded Basic Information of I&D section
 - Information on ICID Webinars
 - ICID Database with Graphs Display
 - Re-organized ICID's Production & Services Directory
 - ICID Website Counter (Approx. 30000 – 40000 hits are recorded/month)



Members Profile



PROF. DR. RAGAB RAGAB

PRESIDENT, ICID



UNITED KINGDOM

LOGIN

Position	Category	Period
PRESIDENT	ICID OFFICE BEARERS - PRESENT	2020-2023
CHAIR	WG-WFE-N	2020-2025
VICE PRESIDENT HON.	ICID OFFICE BEARERS - HONORAIRE	2010-2013
MEMBER	WG-NCWRI	0-0
MEMBER	WG-RWH	0-0
MEMBER	WG-MWSCD	0-0

PERSONAL INFORMATION

Contact



Fellow Principal Hydrologist & Water Resources Management Specialist



ra*****



+4*****



+4*****



+4*****



UK Centre for Hydrology (UK CEH) Maclean Building,
Crowmarsh Gifford Wallingford, Oxfordshire OX10 8BB, United Kingdom



Member Login



Email

Password

Sign in

[Forgot Password?](#)

[Select Language](#)

- ▣ Launched for online data security and accuracy of information.
- ▣ Using this section of the ICID website, members can –
 - Upload their photograph
 - Add/change Personal Information: Contact details
 - Brief Profile (Not more than 300 words)
 - Publications (To add a list of publications and their hyperlinks)
 - Specialization [To select the areas of specialization(s)]



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Introduced Online Application Forms

The screenshot shows a web browser window with the URL `icid-ciid.org/member/nc_membership_form`. The page header is green with the ICID-CIID logo on the left, the text "International Commission on Irrigation & Drainage" and "Commission Internationale des Irrigation et du Drainage" in the center, and a search bar and "Select Language" button on the right. Below the header is a navigation menu with buttons for Home, About, Members, Workbodies, Events & Activities, Awards & Recognition, Publications, Knowledge, Capacity Development, and News. The main content area is titled "APPLICATION FORM FOR MEMBERSHIP BY THE NATIONAL COMMITTEE". It contains a form with the following fields and text:

Dear Sir,

I have the honour to apply on behalf of Government/National Committee of

for the admission of

to membership in the International Commission on Irrigation and Drainage

The National Committee of

pledges itself, if admitted as a member country in the International Commission on Irrigation and Drainage:

- to abide by the rules of procedure laid down in the Constitution and By-laws,
- to accept the obligations contained in the Constitution and the By-laws,
- to make the financial subscription fixed by the International Executive Council as its share of the Commission's expenses.

The address of the National Committee at which correspondence may be addressed in future will be:

Title

First Name*

Select Country*

Email*

The form includes several dropdown menus and text input fields, some of which are highlighted in green. The browser's taskbar at the bottom shows various application icons and the system clock.

- ❑ Online application form for the ICID membership.
- ❑ With the input of required fields, the form automatically collects the irrigated area, drained area, UN contribution as required for calculations.
- ❑ An estimate can be downloaded within few clicks to take necessary approvals and final submission.
- ❑ With submission a copy of the same will automatically reach ICID email box for follow-up.



25th International Congress on Irrigation and Drainage & 74th IEC Meeting
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Introduced Online Application Forms

The screenshot shows a web browser window with the URL `icid-ciid.org/member/dm_membership_form`. The page header features the ICID-CIID logo and the text "International Commission on Irrigation & Drainage" and "Commission Internationale des Irrigation et du Drainage". A search bar and a "Select Language" button are also present. Below the header is a navigation menu with links: Home, About, Members, Workbodies, Events & Activities, Awards & Recognition, Publications, Knowledge, and Capacity Development. The main content area is titled "APPLICATION FORM FOR DIRECT MEMBERSHIP" and contains a form with the following fields: Title (dropdown menu with "Mr." selected), First Name*, Last Name*, Email*, Country* (dropdown menu with "Please Select country" selected), and Select Category* (dropdown menu with "Select category" selected). A "NEXT" button is located at the bottom right of the form. Below the form is a "Sign up for newsletter" section with a "SUBMIT" button. At the bottom of the page, there is a "Follow us" section with social media icons for Facebook, Twitter, YouTube, and LinkedIn. The Windows taskbar is visible at the bottom of the browser window, showing the date and time as Saturday, 07-10-2023, 15:45.

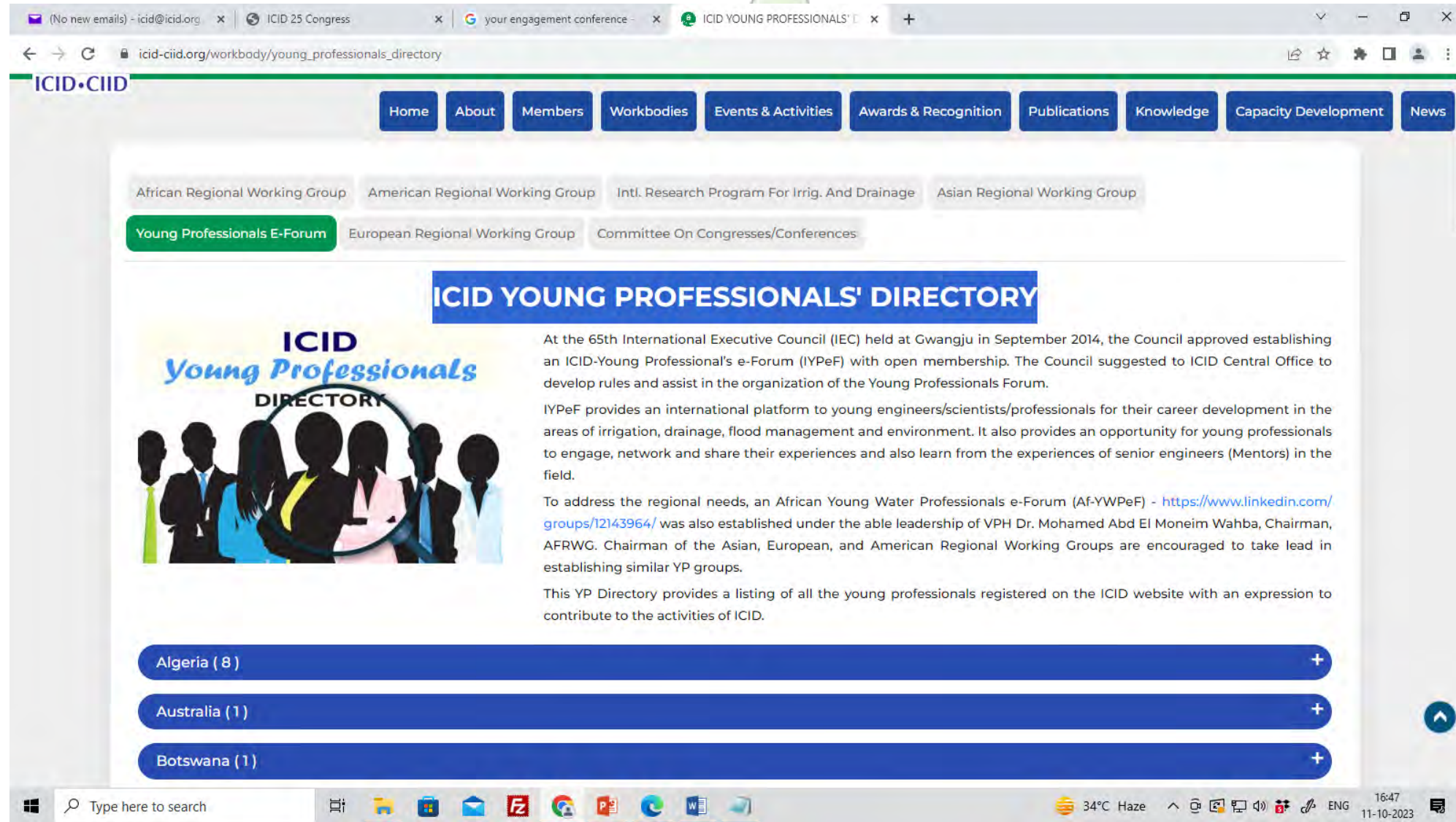
- ❑ Online application form for the ICID Direct Membership.
- ❑ Form takes all the required fields to calculate the membership charges based on the selection.
- ❑ The final submission details can be downloaded/ received on email.
- ❑ With submission a copy of the same will automatically reach the ICID email box for follow-up. ICID CO prepares a proforma invoice with bank details for transfer.



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ICID Young Professionals Directory



ICID • CIID

Home About Members Workbodies Events & Activities Awards & Recognition Publications Knowledge Capacity Development News

African Regional Working Group American Regional Working Group Intl. Research Program For Irrig. And Drainage Asian Regional Working Group

Young Professionals E-Forum European Regional Working Group Committee On Congresses/Conferences

ICID YOUNG PROFESSIONALS' DIRECTORY

ICID Young Professionals DIRECTORY

At the 65th International Executive Council (IEC) held at Gwangju in September 2014, the Council approved establishing an ICID-Young Professional's e-Forum (IYPeF) with open membership. The Council suggested to ICID Central Office to develop rules and assist in the organization of the Young Professionals Forum.

IYPeF provides an international platform to young engineers/scientists/professionals for their career development in the areas of irrigation, drainage, flood management and environment. It also provides an opportunity for young professionals to engage, network and share their experiences and also learn from the experiences of senior engineers (Mentors) in the field.

To address the regional needs, an African Young Water Professionals e-Forum (Af-YWPeF) - <https://www.linkedin.com/groups/12143964/> was also established under the able leadership of VPH Dr. Mohamed Abd El Moneim Wahba, Chairman, AFRWG. Chairman of the Asian, European, and American Regional Working Groups are encouraged to take lead in establishing similar YP groups.

This YP Directory provides a listing of all the young professionals registered on the ICID website with an expression to contribute to the activities of ICID.

Algeria (8) +

Australia (1) +

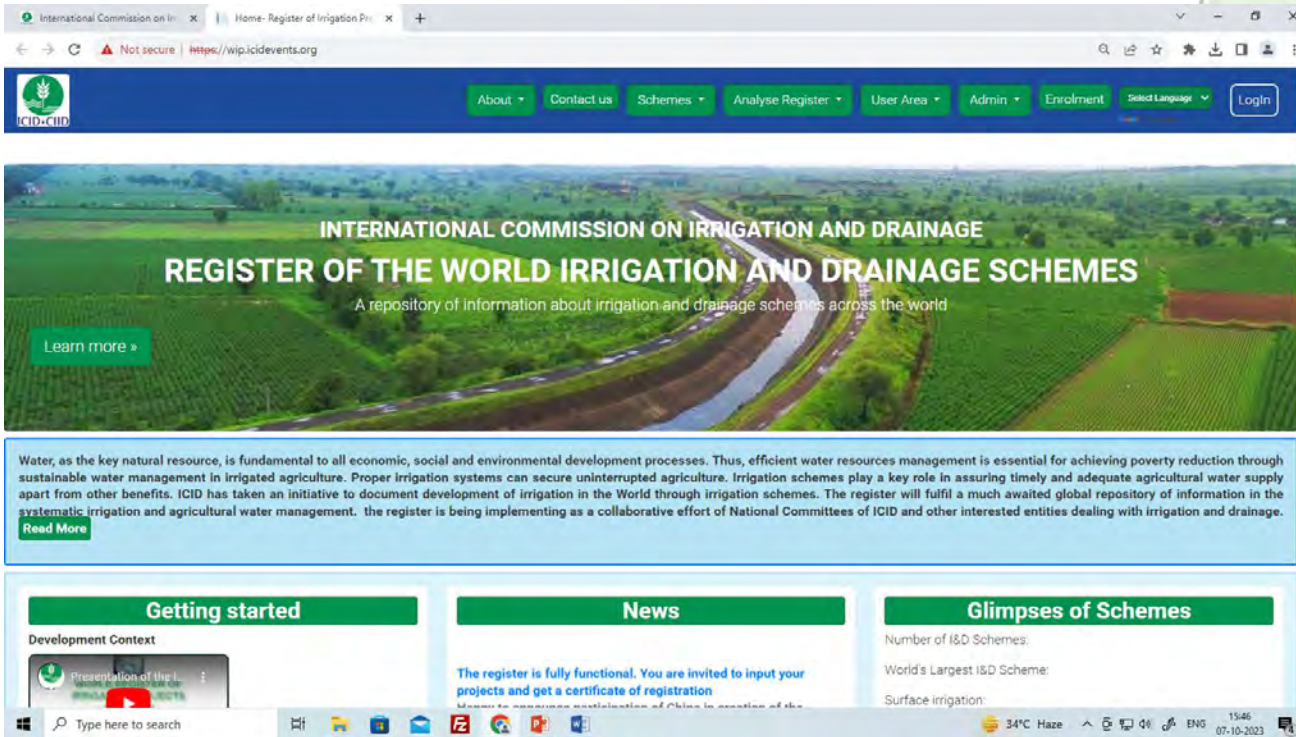
Botswana (1) +



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Launched Online Register of Irrigation & Drainage Projects



<https://wip.icidevents.org/>

- Launched on the similar lines of the World Register of Dams being maintained by ICOLD.
- The register will fulfil a much awaited global repository of information in the systematic irrigation and agricultural water management.
- Being implemented as a collaborative effort of the National Committees of ICID and other interested entities dealing with irrigation and drainage.
- Placed introductory video presentation to help professionals with collecting the data.
- Invited all NCs to join the initiative by uploading information about their I&D projects. India and Thailand are presently working on their data in offline mode and will be made live soon.



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Invoicing System

- ▣ Introduced a new online secured invoicing system for managing the ICID subscriptions.
- ▣ To safeguard subscription money from online threats, introduced different platforms for communication.
- ▣ Established a separate email address to communicate with NCs regarding financial matters.
- ▣ All invoices are password protected.
- ▣ Using alternative communication for informing password (WhatsApp, etc.).

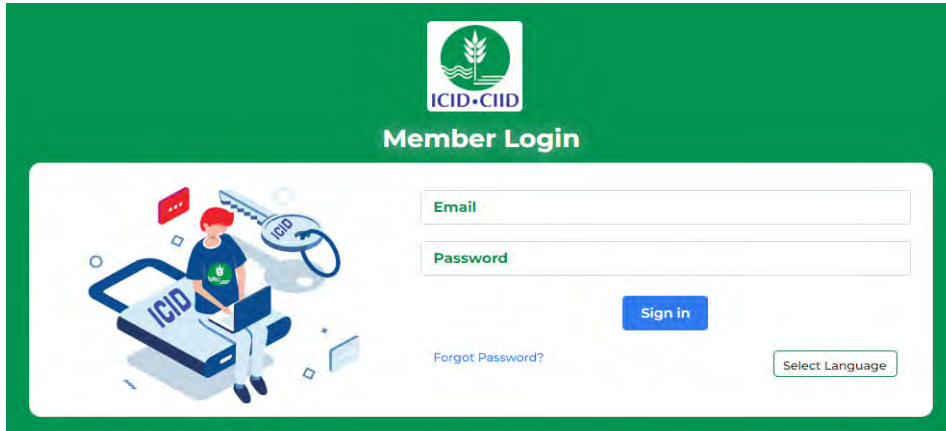


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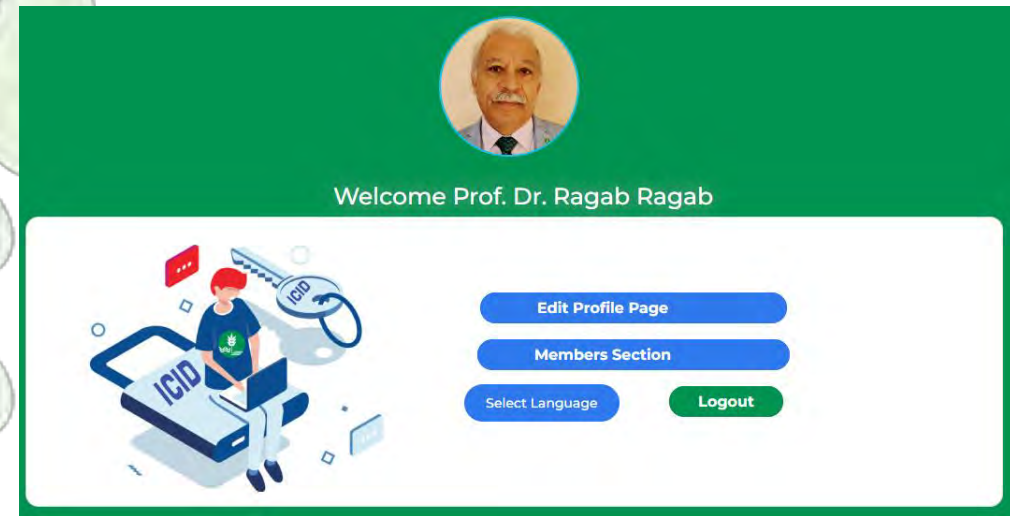


Publications

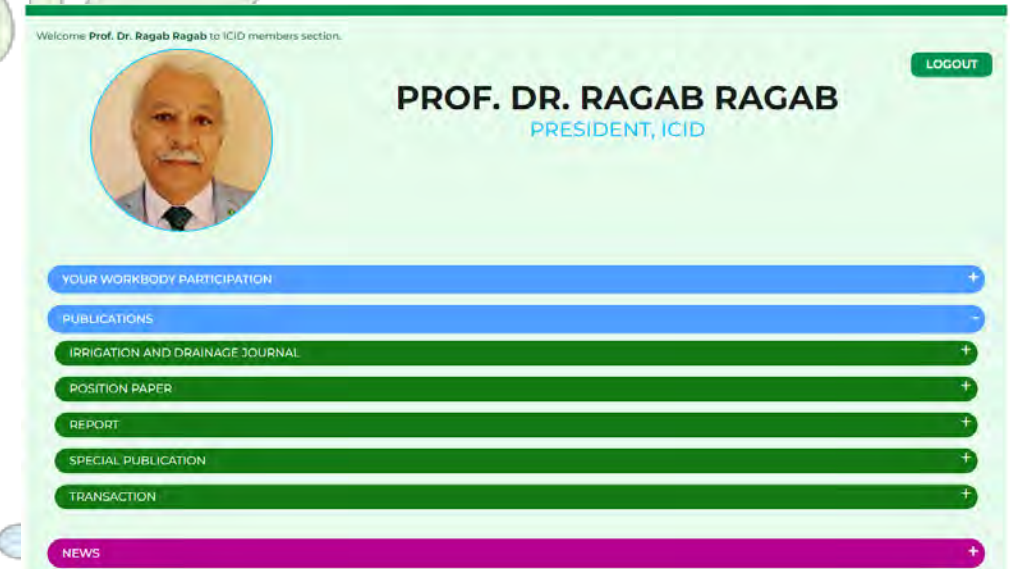


The login page features the ICID-CHD logo at the top. Below it, the text "Member Login" is displayed. On the left, there is an illustration of a person sitting on a large smartphone labeled "ICID", with a key icon and a speech bubble nearby. To the right of the illustration are two input fields for "Email" and "Password". Below the password field is a "Sign in" button. Further down, there are links for "Forgot Password?" and "Select Language".

- ❑ Login to your profile page using the ICID website.
- ❑ Click on “Dashboard” to see options (1) Edit Profile Page, (2) Members Section.
- ❑ Members Section provides information – Your engagements during the 25th ICID Congress & 74th IEC meeting, download publications, Directory full access, MTD DVD version download, Circulars, News, and much more...



The profile page shows a circular profile picture of Prof. Dr. Ragab Ragab at the top. Below the photo, the text "Welcome Prof. Dr. Ragab Ragab" is displayed. On the left, there is the same illustration of a person on a smartphone as seen in the login page. To the right, there are three buttons: "Edit Profile Page", "Members Section", and "Logout". Below these buttons are links for "Select Language" and "Logout".



The dashboard page shows a circular profile picture of Prof. Dr. Ragab Ragab at the top. Below the photo, the text "Welcome Prof. Dr. Ragab Ragab to ICID members section." is displayed. To the right of the photo is a "LOGOUT" button. Below the photo, the name "PROF. DR. RAGAB RAGAB" is displayed, followed by "PRESIDENT, ICID". Below the name, there is a list of menu items with expandable arrows: "YOUR WORKBODY PARTICIPATION", "PUBLICATIONS", "IRRIGATION AND DRAINAGE JOURNAL", "POSITION PAPER", "REPORT", "SPECIAL PUBLICATION", "TRANSACTION", and "NEWS".



25th International Congress on Irrigation and Drainage & 74th IEC Meeting

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Participation

- Introduced this section to list all important events agreed/ attended by the President Prof. Dr. Ragab Ragab
- During the period a total 113 meetings were attended, this includes physical and virtual participations (2021 – 32, 2022 – 31, 2023 – 50)
- More than 45 YouTube Video recording

The image shows a screenshot of the ICID website's 'President's Corner' section. The website header includes the ICID logo, the full name of the organization in English and French, a search bar, and a language selector. The navigation menu lists various sections: Home, About, Members, Workbodies, Events & Activities, Awards & Recognition, Publications, Knowledge, Capacity Development, and News. The 'President's Corner' section features a 'Back' button and a paragraph explaining that it lists events agreed upon by President Prof. Dr. Ragab Ragab. Below this, a table titled 'WEBINAR / VIRTUAL MEETINGS REPRESENTED BY THE PRESIDENT' lists activities, dates, and resources. The table includes entries for 'PARTICIPATION IN 2023', such as a panelist talk on World Food Day 2023 and a keynote address at the SELMAS Project Workshop. An inset image shows a virtual meeting interface with multiple participants in a grid layout.

No.	Activities	Date	Resource
PARTICIPATION IN 2023			
50	Panelist: NEXUS Gains Talks on the theme "Water is life, water is food, Leave no one behind," organized as part of World Food Day 2023	18 October 2023, 06:30 pm - 07:30 pm UTC+05:30	
49	Keynote Address: SELMAS Project Workshop (Virtual)	11-12 October 2023, 06:00 PM Campus, Ben Guerir, Morocco	
48	Member of the Scientific Committee, Cairo Water Week 2023 (CWW2023)	29 October to 2 November	



Contribution to ICID Knowledge Sharing - 1

- ▣ **Field Scale model: SALTMED** model as a management tool for water, crops, field and N-Fertilizers.
- ▣ **Catchment Scale model: IHMS**, Integrated Hydrological Modelling System (Unsaturated zone model, Groundwater model and Seawater Intrusion model combined).
- ▣ **Guidelines** on the Use of saline/Brackish Water (FAO-AWC publication).
- ▣ Biosaline Agriculture as a Climate Change Adaptation for Food Security. **Book** by Springer. ISBN 978-3-031-24278-6. Redouane Choukr-Allah and Ragab Ragab (Editors).



Contribution to ICID Knowledge Sharing - 2

- ▣ **Proceedings** of Papers presented for International Workshop on Water- Energy-Food-Nexus: Implementation and Examples of Application 24th International Congress on Irrigation and Drainage, 3-10 October 2022, Adelaide, Australia. The International Commission on Irrigation and Drainage's (ICID). https://icid-ciid.org/icid_data_web/Workshop_WFEN2022.pdf
- ▣ **Report** on Advances in Water Saving in Irrigation, Tackling Water Scarcity in Agriculture, ICID Publication. 2023. In Press. ICID Publication. © International Commission on Irrigation and Drainage (ICID), 2023. ISBN: 978-81-89610-37-1



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Contribution to ICID Knowledge Sharing - 3

- ▣ **Proceedings** of the International Workshop on “Water-Energy-Food Nexus: Implementation and examples of applications”. November 3, 2023, Vizag, India. In Press. ICID Publication. © International Commission on Irrigation and Drainage (ICID), 2023. ISBN: 978-81-89610-36-4
- ▣ ‘Coping with water scarcity: New advances in Africa and beyond’. **Special Issue**, World Water Policy Journal. Expected late 2023/early 2024. Based on the 10th Micro-Irrigation Conference, Morocco.2023.
- ▣ **Expected soon:** Guidelines on Non-Conventional water Resources and other contributions to various Working Groups Publications.



Contribution to ICID Knowledge Sharing - 4

- ▣ Jelle Beekma, Jeremy Bird, Adey Nigatu Mersha, Stijn Reinhard, Sanmugam, Ahembaranathan Prathapar, Golam Rasul, Jeffrey Richey, Jouke van Campen, **Ragab Ragab**, Chris Perry, Rabi Mohtar, Laurie Tollefson and Fuqiang Tian. 2021. Enabling Policy Environment for Water, Food and Energy Security. Irrigation and Drainage (published on line), <https://doi.org/10.1002/ird.2560>.
- ▣ Afzal M., and **R. Ragab**. 2020. Impact of the Future Climate and Land Use Changes on the Hydrology and Water Resources in South East England, UK. American Journal of Water Resources, vol. 8, no. 5 : 218-231. doi: 10.12691/ajwr-8-5-2.
- ▣ Abdelaziz Hirich, Redouane Choukr- Alla, and **Ragab Ragab** (Editors). 2020. Emerging Research in Alternative Crops. Springer. Environment & Policy 58 ISSN 1383-5130 ISSN 2215-0110 (electronic). Environment & Policy ISBN 978-3-319-90471-9 ISBN 978-3-319-90472-6 (eBook)
<https://doi.org/10.1007/978-3-319-90472-6>
- ▣ Muhammad Afzal and **Ragab Ragab**. 2020. Assessment of the potential impacts of climate change on the hydrology at catchment scale: Modelling approach including prediction of future drought events using drought indices. Applied Water Science (10), 215. 19, pp. <https://doi.org/10.1007/s13201-020-01293-1>



Contribution to ICID Knowledge Sharing - 5

- ▣ **Ragab, R.**, Kaelin, A., Afzal, M. and Panagea, I. 2020. Application of Generalized Likelihood Uncertainty Estimation (GLUE) at different temporal scales to reduce the uncertainty level in modelled river flows. Hydrological Sciences Journal, published on line (<https://doi.org/10.1080/02626667.2020.1764961>). 65(11): 1856-1871.
- ▣ **Ragab. R.** 2020. A special issue combines 17 research papers on SALTMED model. “SALTMED Publications in Irrigation and Drainage. Virtual Issues First published: 20 May 2020 Last updated: 20 May 2020. Wiley on line Library”. [https://onlinelibrary.wiley.com/doi/toc/10.1002/\(ISSN\)1531-0361.saltmed-publications](https://onlinelibrary.wiley.com/doi/toc/10.1002/(ISSN)1531-0361.saltmed-publications)
- ▣ Muhammad Afzal, Nikolaos Vavlas and **Ragab Ragab**.2020. Modelling study to quantify the impact of future climate and land use changes on water resources availability at catchment scale. J. water & Climate Change. Published on line, <https://doi.org/10.2166/wcc.2020.117>
- ▣ Muhammad Afzal and **Ragab Ragab**.2020. How do climate and land use changes affect the water cycle? Modelling study including future drought events prediction using reliable drought indices, J. Irrigation & Drainage. Volume 69, Issue 4, Pages: 806-825. (<https://doi.org/10.1002/ird.2467>)
- ▣ Muhammad Afzal and **Ragab Ragab**. 2019. Drought Risk under Climate and Land Use Changes: Implication to Water Resource Availability at Catchment Scale. Water 2019, 11, 1790; doi:10.3390/w11091790.



The French Translation

- ▣ To speed up the publications of Irrigation and Drainage Journal. The ICID CO resourced a local assistance. This helped to ease the backlog of delayed papers.
- ▣ Delivering the annual anniversary speeches
- ▣ Inviting Ministers of different countries to join ICID
- ▣ Increasing the direct and national membership



ICID CO Recognition

- ▣ I took over the presidency during the lockdown period – the COVID-19 period. During this period, many organizations underperformed, suffered low productivity, and achieved less than average.
- ▣ ICID CO, on the contrary, achieved more than during any other, normal, pre-COVID-19 year. The speed by which the CO set up a communication system (Zoom) and kept the office operating in a “business as usual” way was extraordinary and was only possible thanks to those in the CO who were dedicated and committed to keeping the organization functioning at the highest possible level.
- ▣ These members never said “no” to any request for a virtual meeting or a Webinar and kept ICID members in closer contact, even more than during the pre-COVID-19 years.



- ▣ The service provided, especially the IT part, never failed ICID members which encouraged them to request even more virtual meetings.
- ▣ We used to meet only in person and mostly only once a year. Over the past 3 years, we met more frequently, reached out to more members, produced more output, and achieved a lot more than during the pre-COVID-19 years.
- ▣ A few achievements to mention include:
 - ▣ 1. Setting up a reliable communication system (Zoom)
 - ▣ 2. Conducting over 33 Webinars
 - ▣ 3. Conducting over 82 Virtual WGs meetings
 - ▣ 4. Designing a new, interactive, ICID website with a counter showing the number of visitors to the site



- ▣ 5. Opening up online applications for memberships
- ▣ 6. Making online Registration of Irrigation & Drainage Schemes
- ▣ 7. Achieving a wider use of Media Platforms to disseminate ICID information
- ▣ 8. Publishing several Digital publications
- ▣ For those reasons, I believe that as the ICID President, and on behalf of the ICID members, I should officially thank all members of ICID-CO individually by handing each member a personalized certificate that contains an acknowledgment of their excellent service during the COVID-19 period in 2019-2022/2023.
- ▣ In my view, the ICID-CO did not only keep the ICID ship afloat but managed to safely sail it across the troubled water.





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