



ICOLD – IHA joint workshop on :

**“ Climate Change : risks and opportunities
for Dams, Reservoirs & Hydropower ”**

*Main outcomes and preparation of new bulletin(s) of ICOLD TC Y,
and focus on the use and deployment of the IHA guide on Climate Resilience for
Hydropower (publ. 2019)*

Saturday 28, 2022 – 2:00 pm to 4:15 pm

27th ICOLD Congress & 90th ICOLD annual meeting – Marseille (France)

Meeting room: **PYTHEAS – 1st Floor**

Programme – Final Version

Important update: ICOLD & CFBR organizing team have decided to open TC workshops to free on-line attendance, to expand dissemination of ICOLD TC works to the largest possible audience.

Zoom meeting link :

<https://us06web.zoom.us/j/82280940208?pwd=OStJU2lCbzhDeWdEa2dlcGYyUUhpQT09>

02:00 – 02:10	Workshop introduction by: <ul style="list-style-type: none"> - <i>Denis Aelbrecht</i>, Head of Technology (EDF Hydro Eng. Center) & Chairman of ICOLD Technical Committee Y on Climate Change - <i>Debbie Gray</i>, Climate Policy Manager (IHA)
Part I 02:10 – 03:00	ICOLD TC “Y” activity on Climate Change : preparation of new bulletins ...
02:10 – 02:30	Terms of reference of ICOLD TC Y activity. Organization of TC work, and structure of next bulletins addressing 3 different Themes of issues <ul style="list-style-type: none"> - Theme 1 : Climate-induced water shortage and drought risk management Climate resilience of water resources systems - Theme 2 : Flood risk evolution associated to climate change - Theme 3 : Role of Hydropower in climate change mitigation and new energy mix <p>By <i>Maud Demarty</i>, Founder-Consultant (AquaConsult, Canada) & Vice-Chair of ICOLD Technical Committee Y on Climate Change – TEAMS webmeeting (backup : Denis to make the presentation if we have a ZOOM connection problem)</p>
02:30 – 03:00	Examples of Case Study reported in the future ICOLD bulletins : Theme 1 :

- **Neustadt water resources system**
By Markus MOELLER (Thüringer Fernwasserversorgung, Germany)

Theme 2 :

- **South-East Asia - Climate Change Impacts on Extreme Flood Inflow**
By Harald KLING (AFRY, Austria)

Theme 3 :

- **Increasing swiss hydropower electricity production under climate change conditions - Case study: periglacial reservoirs in the swiss alps and the new trift hydropower plant**
By Andrea BALESTRA (LOMBARDI, Switzerland)

Part II	Climate Change & Hydropower : challenges and opportunities.
03:10 – 04:15	IHA initiatives on Climate Change & Hydropower
03:00 – 03:25	<p>Climate Change: challenges and opportunities for Hydropower. An overview of IHA initiatives on Climate Change issues</p> <ul style="list-style-type: none"> - Hydropower 2050 vision - GHG emissions and the G-Res tool - IHA guide for Climate Resilience (publ. 2019) <p>by Debbie Gray, Climate Policy Manager (IHA)</p>
03:25 – 03:45	<p>Experience by Tractebel-Engineering on the application of the IHA Climate resilience guide</p> <p>by Marine Riffard-Chenet (Tractebel Engineering, France)</p>
03:45 – 04:05	<p>Experience by AFRY on the application of the IHA Climate resilience guide</p> <p>by Harald Kling (AFRY, Austria)</p>
04:05 – 04:15	Q/A