



## SESSION DESCRIPTION FORM 2.

### 10<sup>TH</sup> WORLD WATER FORUM

**This Session Description Form 2 is for the specified program of the session. Please complete this form no later than 28th of February 2024.**

*\*The session description 1 (online form) is separately requested for the session coordinators to deliver a concise session outline with the contact info and the logistical requests.*

**Session Code and Title:**

1D2 Hydropower's role in managing the world's water resources

**Session Coordinators (Name, Position, Organization, email, mobile number):**

Pablo Valverde: [pablo.valverde@hydropower.org](mailto:pablo.valverde@hydropower.org);

Deputy CEO, IHA

**Session Description including objectives and expected outcomes (500 words maximum):**

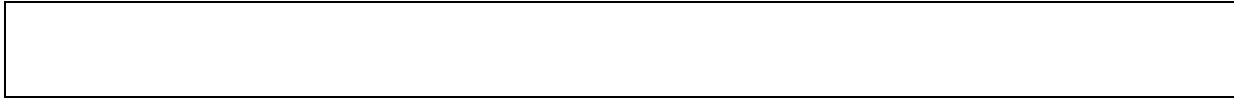
The sustainable planning and operation of water and energy systems are intrinsically linked to one another. With water and electricity demand expected to increase by more than 50% by 2050, and irrigated land needing to increase by around 60% to meet future food security needs, this represents one of humanity's biggest challenges in the coming decades.

Hydropower already plays an important role in managing global water resources, and it can also help mitigate future climate change impacts.

This session will explore the challenges and opportunities for hydropower's role in managing global water resources, including:

1. The challenges and trade-offs that need to be considered when planning climate-resilient water and energy systems that meet human development needs while minimising impacts on ecosystems and delivering net-positive benefits to communities.
2. How the reinforcing interlinkages between good hydropower governance and improved infrastructure investments, development and operation can deliver climate resilience benefits across different sectors.
3. How a multisectoral approach for tackling water supply and demand management can facilitate the realisation of hydropower reservoirs' wider benefits (for instance, an integration of water supply and the management of local livelihood such as agriculture and forestry management, or the resilience mechanisms that can be built into hydropower planning).
4. Hydropower sustainability tools that are assisting countries in developing climate-resilient hydropower infrastructure that can efficiently manage the interdependencies across water, energy, agriculture and the environment.

Policy recommendation and key messages will be developed as outcome of the session.



**Detailed Session plan :**

ESTIMATED TIMING	ITEM DESCRIPTION / ROLE	SPEAKERS	SPEAKERS STATUS (OK OR TBC)
7-9	Key note speaker	Malcolm Turnbull	Ok
	Moderator	Pablo Valverde	Ok
3-4	Panelist	Joao Costa	Ok
7-9	Key note speaker	Daler Jum'a Shofaqir	Tbc
3-4	Panelist	Nuki Utama	Tbc
7-9	Key note speaker	Sharbini Suhaili	Ok
3-4	Panelist	Enio Verri	tbc
3-4	Panelist	Dilek Gülhan	Ok
3-4	Panelist	Pak Anthony/Pak Adi Lukmanso	Ok
3-4	Panelist	Chang Yong Bae	Ok
3-4	Panelist	Anoulak Kittikhoun	tbc
7-9	Key note speaker	Yudo Priadi	Ok