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# Water Resilience Frontiers: Pathways for transformational Climate Resilient Water Security in 2030 and Beyond



Your COP 25 comprehensive resource on planned water events  
with potential to contribute solutions to the  
UNFCCC led Resilience Frontiers  
Towards a Water Secure World  
Resilience Lab at COP25

Building resilience to the adverse effects of climate change on water requires a comprehensive approach and a long-term outlook. Yet, how can we envision the whole spectrum of future water challenges and opportunities without considering the impacts of digital transformation including implications of artificial intelligence, big data, blockchain and biotechnology? How can we mitigate future climate induced water risks without factoring in the possible evolution of emerging social trends powered by a sustainability ethos, such as local and organic production and consumption practices? How can we think long term without using the tools of futurists and foresight experts, and applying new skills to envision and co-create the future? How can we enhance our creativity and develop our sensitivity to the world without engaging with artists? How can we conceive of a climate-resilient water future for the world ecosystem without being mindful?

Using practical examples of climate hotspots such as the Aral Sea, Lake Chad, City of Cape Town and others, GWP in collaboration with UNFCCC, UNDP, African Union Adaptation Initiative (AAI), CDKN and other partners is initiating a global initiative, 'Water Resilient Frontiers' to explore these questions, learn from practice and foster long term thinking about water resilience beyond 2030. Each day of COP 25, we will synthesise key insights, lessons and disseminate knowledge and key messages emerging from UNFCCC led Resilience Frontier Events and relevant water events convened by various partners.



## Background

To enhance system wide thinking and action on water resilience beyond 2030, within the global water, climate and development communities and foster collaboration for a comprehensive approach and long-term outlook on resilient water management, Global Water Partnership (GWP) is collaborating with the United Nations Framework on Climate Change (UNFCCC) and other partners to co-create a vision and plausible water solutions of a desirable climate-resilient future in 2030 and beyond.

Resilience Frontiers is an initiative of the Nairobi Work Programme joint-action pledge under the UNFCCC, and an interagency effort coordinated by the UNFCCC secretariat in collaboration with the Global Water Partnership (GWP), Canada's International Development Research Centre (IDRC), EIT-Climate-KIC, the Food and Agriculture Organization of the United Nations (FAO), the United Nations Educational, Scientific and Cultural Organization, the United Nations Environment Programme (UNESCO), and the United Nations Office for Outer Space Affairs (UNOOSA).

In 2011, GWP noticed this disconnect – lack of coherence in the global negotiations on climate change, national development planning and water management. We decided to do something to



address this gap. We launched the Global Water Climate Development Programme (WACDEP), the Integrated Drought Management Programme (IDMP) with the World Meteorological Organizations (WMO), and scaled up the Associated Flood Management Programme (APFM), also with WMO. Working with our partners to date, we have supported over 60 countries to improve their resilience to climate change and influenced over \$1.2 billion in water related investments. In the last 18 months, in collaboration with the Green Climate Fund (GCF), we have supported over 77 countries to address constraints faced on accessing climate finance from the GCF to implement well prioritized and sequenced climate resilience water projects. We have established project preparation partnerships in Africa, Asia and plans are underway in Latin America and the Caribbean.

Water has come a long way in the global climate change negotiations. Ten years ago, there were very few discussions on water in the climate change negotiations. Today, as the interconnectedness between climate induced risks and water have become more apparent and the impacts from increased frequency of water related hazards such as droughts, floods and extreme heat waves have become more frequent and severe, the global climate negotiations have taken note.

While water events have become the norm during global climate negotiations, we have noticed yet another gap. The conversations on water and adaptation are one sided, driven by the water community. In many ways, water is still on the margins of the solutions for climate change in climate change negotiations. Water needs to become mainstream as the climate impacts are felt through water and over 90% National Determined Contributions (NDCs) and virtually all National Adaptation Plans (NAPs), prioritize water. We have little time to act and the window of opportunity to build resilient water management systems is fast closing.

### **Water Resilience Frontiers: Pathways for transformational Climate Resilience Water Security in 2030 and beyond**

During COP 25, as part of GWP pledge to the UNFCCC led Resilience Frontiers, GWP in collaboration with

UNFCCC, UNDP, African Union's Adaptation Initiative (AAI), CDKN and others, is initiating a global effort on Water Resilience Frontiers: Pathways for transformational Climate Resilience Water Security in 2030 and beyond. The Objective is to identify and amplify potential transformational ideas and concrete actions that can contribute to water resilience to climate change beyond 2030 by addressing opportunities and challenges in harnessing the potential of disruptive frontier technologies and emerging social trends towards sustainability.

Each day of COP 25, using practical examples of climate hotspots such as the Aral Sea, Lake Chad, City of Cape Town and others, we will synthesise key insights, lessons and disseminate knowledge and key messages emerging from UNFCCC led Resilience Frontier Events and other relevant water events convened during COP 25 by various partners working on water, climate and development.

#### **Specific objectives of the COP 25 Water Resilience Frontiers events are:**

- a. Introduce approaches and water solutions that have the potential to transform adaptation through scaling up; and/or
- b. Showcase ways to maximize water resilience to climate change beyond 2030 by addressing opportunities and challenges in harnessing the potential of disruptive frontier technologies and emerging social trends towards sustainability.
- c. Showcase the most promising ideas and actions and disseminate key messages on from water related events during COP 25.
- d. Provide a single comprehensive resource on planned water events by partners related to Resilience Frontiers and rising ambition on climate action.

Building resilience to the adverse effects of climate change on water requires a comprehensive approach and a long-term outlook. Yet, how can we envision the whole spectrum of future water challenges and opportunities without considering the impacts of digital transformation including implications of artificial intelligence, big data, blockchain and biotechnology? How can we mitigate future climate induced water risks without factoring in the possible evolution of emerging social trends powered by a sustainability ethos, such as local and organic

production and consumption practices? How can we think long term without using the tools of futurists and foresight experts, and applying new skills to envision and co-create the future? How can we enhance our creativity and develop our sensitivity to the world without engaging with artists? How can we conceive of a climate-resilient water future for the world ecosystem without being mindful?

Every day, we will collate and synthesize and disseminate messages, insights and concrete actions emerging from COP 25 water related events with potential to contribute to the objectives of Resilience Frontiers.



Resilience Lab will serve as the hub for resilience-related water events and minilabs, which aim to provide thought-provoking impulses for further advancing the work on transformative water management and adaptation.

The Water Resilience lab will be organized as part of the 8 pathways of the Resilience Frontiers (RF) convened by the UNFCCC for the entire duration of COP 25, from 2-13 December. The RF Initiative will provide the common thread for the Lab. In addition, an opening day led by the UNFCCC will provide the necessary context and insights into the RF Initiative.

On 13 December, a closing RF event will provide a summary of the insights that were generated throughout the two weeks and a day to celebrate 25 years of adaptation under the UNFCCC process and the way forward.

In addition to convening the Resilience Lab on Water, GWP has mapped relevant water resilience COP 25 related events that will be convened by partners and will showcase the key messages and actions with potential transformative ideas, actions and insights that can contribute to Resilience Frontiers. During the entire 2-week period, GWP will disseminate the key messages and potential transformative ideas and actions emerging from the RF and COP 25 to its more than 3000 partners in over 180 countries.

In the closing Plenary of the COP, GWP will collate the messages emerging from the various water related events into a coherent message and deliver this to the closing event on Resilient Frontiers and the Closing Plenary of COP25. Annex 1 shows the full Schedule of Resilience Frontiers.

### **COP 25 Water Related Events with Potential to Contribute Solutions to Resilience Frontiers**

GWP has collated the following COP 25 events with potential to contribute insights and transformational ideas to objectives of Resilience Frontiers.

Events convened by GWP are shown with GWP as convener. The convenors of other water events during COP 25 are also highlighted.

Interested partners in specific events should contact the convenors of each specific event.

Day/Time	Activity
<p><b>Monday</b> 02 Dec 2019 16:45 – 18:15 Room 2</p>	<p><b>Water &amp; Climate change: Private actors engagement and community mobilization to promote low carbon</b></p> <p><i>Organiser: Water Safety Initiative Foundation (WASIF) and Delta Electronics Foundation (DEF)</i></p> <p>Water &amp; Climate change: the engagement of private actors, water partnership, promoting low carbon and resilient development through community mobilization and Advocacy.</p> <p><i>Speakers: Unyime Robinson, Executive Director, Water Safety Initiative Foundation, Kai Zimmerman, President, Zenega Foundation, Ms. Shan Guo, Vice President of Delta Electronics Foundation, Representative of International Water Association and the Representative of Groundwater</i></p>
<p><b>Tuesday</b> 03 Dec 2019 09:00 – 10:00 NDC Partnership Pavilion</p>	<p><b>Watering the NDCs: Water-smart climate policies for improving NDC ambition and outcomes</b></p> <p><i>Organisers: AGWA, GWP, IWMI, the Kingdom of the Netherlands</i></p> <p>Water is implicitly embedded in nearly all climate change plans and activities: from alternative energy generation to shifting agricultural production to planning ahead for increased flood or drought risks. Yet we know that many regions of the world face increasing water variability - in terms of both timing and amount of water - throwing into question countries' abilities to act on their climate ambitions and address their climate risks if water is not taken into consideration. Failure to take this approach in addressing water in the context of the NDCs and other climate plans risks sectoral conflict between water users and increased social and economic disruption, political conflict and ecological damage. For these reasons, it is essential that water is addressed in a holistic and cross sectoral manner throughout national climate plan.</p> <p>While these risks are real, investing in and implementing resilient water management approaches can turn these water risks into climate solutions. Water has the ability to help countries meet mitigation and adaptation goals through the implementation of cross-sectoral water allocation and governance systems and investment in resilient water infrastructure. Tools and methodologies for resilient water management exist now and are being implemented in a variety of geographic contexts and at multiple scales. This event will bring together experts and organizations to present a concise set of principles and guidelines for how to identify and address water as an enabling component rather than a constraint or source of conflict in NDCs.</p>
<p><b>Tuesday</b> 03 Dec 2019 10:00 – 11:30 French Pavilion</p>	<p><b>Water, an opportunity to respond to the impacts of climate change: Solutions from French stakeholders in water</b></p> <p><i>Organiser: FWP</i></p> <p>To mark the publication of “Water &amp; Climate, Time for Action: Initiatives and projects by French stakeholders”, FWP members will share concrete actions developed in the regions for managing water and aquatic environments, which also contribute towards achieving the many objectives of the Paris Climate Agreement and the 2030 Agenda.</p>
<p><b>Tuesday</b> 03 Dec 2019 11:30 – 13:00 Room 2</p>	<p><b>Watershared since Paris COP21: Local and regional contributions to adaptation and mitigation goals</b></p> <p><i>Organiser: Fundación Natura Bolivia (FUNABO)</i></p> <p>Watershared is an alliance of 200 Andean local governments that are conserving water-producing forests by providing their owners with alternative development tools. Regional leaders will analyse lessons learned about mitigation and adaptation since the program was initiated at the Paris COP21.</p>



Day/Time	Activity
	<p><i>Speakers: Representatives from: Fundación Natura, Bolivia FORAGUA Regional Water Fund, Ecuador Autonomous Government of Tarija, Bolivia Naturaleza y Cultura, Peru Corporacion Valle de Cauca, Colombia Autonomous Indigenous Government of Charagua Iyambae, Bolivia</i></p>
<p><b>Tuesday</b> 03 Dec 2019 15:00 – 16:30 Room 6</p>	<p><b>What if we miss the target? Climate change and socioeconomic risks at global warming of 1.5°C - 4°C</b></p> <p><i>Organiser: University of Exeter</i></p> <p>Presenting the latest research findings on the impacts of global warming of 1.5°C, 2°C, and 4°C, at global scales and in South America. Focusing on changes in extreme weather and impacts on water availability, flooding, food insecurity and human heat stress; and the human/socio-economic dimension.</p> <p><i>Speakers: Prof Richard Betts, Met. Office Hadley Centre and University of Exeter Representative from INPE, Instituto Nacional de Pesquisas Espaciais Dr Grady Walker, Walker Institute, University of Reading Representative from CATHALAC, Water Centre for the Humid Tropics of Latin America and the Caribbean</i></p>
<p><b>Tuesday</b> 03 Dec 2019 18:15 – 19:45 GCF+GEF Pavilion</p>	<p><b>GCF consultation on draft country programme outlines</b></p> <p><i>Organiser: GCF</i></p>
<p><b>Tuesday</b> 03 Dec 2019 18:30 – 20:00 Room 3</p>	<p><b>Work of the LEG in supporting the LDCs on adaptation</b></p> <p><i>Organiser: UNFCCC</i></p> <p>To discuss the experiences and progress made by the least developed countries in addressing adaptation, and the support provided to them.</p> <p><i>Speakers: LEG Chair and members; LDC Parties; GCF and GEF and their related entities and agencies</i></p>
<p><b>Wednesday</b> 04 Dec 2019 11:00 – 12:30 German Pavilion</p>	<p><b>Water and climate change: New insights and potential course of action</b></p> <p><i>Organisers: Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH, German Federal Ministry for Economic Cooperation and Development (BMZ)</i></p> <p>Water and climate change are intractably interlinked. As rising temperatures spur the hydrological cycle, climate change will affect water availability and quality, hydrological variability and extremes such as floods and droughts. Yet, despite substantial advancement in climate research, it remains impossible to predict the precise impacts of climate change on water resources. Uncertainties arise not only from the downscaling of regional climate models but also from the challenge to separate climate change impacts from other trends like changes in land use patterns and water management practices.</p> <p>GIZ on behalf of BMZ, adelphi and PIK present insights of a new overview study on water-climate interactions. Decision makers and practitioners will discuss how to integrate climate change impacts in their national strategies and provide examples of tangible mitigation and adaption action.</p>
<p><b>Wednesday</b> 04 Dec 2019 13:15 – 14:45 GCF+GEF Pavilion</p>	<p><b>Lessons learnt from the GCF project implementation: Moving forward</b></p> <p><i>Organiser: GCF</i></p> <p>The Green Climate Fund approved its first batch of projects back in 2015 and as of November 2019, 124 projects have been approved, with almost half of them projects entering the implementation stage. This requires the GCF to put stronger focus on the implementation of approved projects and analyse whether those projects can meet their</p>

Day/Time	Activity
	<p>objectives and contribute to paradigm shift and transformational change. Additionally, the GCF is determined to remain a learning institution and extract lessons from project implementation during the initial results mobilization period in order to be able to achieve stronger impact during the its first resource mobilization phase. This event will focus on lessons learnt from the GCF portfolio implementation. The event will provide an overview of the Annual Performance Report presented at its most recent board meeting and cover the current status of the portfolio, including lessons learnt and challenges. This will be followed by short presentations by four panellists from international accredited entities (IAE) and direct access entities (DAE), who will be invited to share their experience with implementing projects with the GCF. The presentation will be followed by panel discussion and Q&amp;A.</p> <p><i>Speakers: Mr. Vladislav Arnaoudov, GCF; Mr. Pradeep Kurukulasuriya, UNDP; Ms. Preeti Bhandari; ADB; Ms. Tagaloa Cooper-Halo, Pacific Regional Environmental Programme and TBC, Accumen</i></p>
<p><b>Wednesday</b></p> <p>04 Dec 2019 18:15 – 19:45 GCF+GEF Pavilion</p>	<p><b>GCF and Spanish climate finance: Growing private corporate sector engagement</b></p> <p><i>Organiser: GCF</i></p> <p>The private corporate sector is a key actor in the global fight against climate change. Therefore, it is essential to ensure access to climate finance and broaden the range of financing instruments available to innovate in carbon clean technologies, and to adapt processes to an efficient use of energy. In this context, GFC and COFIDES play an essential role in providing climate finance to private sector projects for both mitigation and adaptation to climate change. COFIDES has been the first Spanish institution accredited to mobilize resources from the GCF, channelling the available resources towards the financing of projects and programmes in both the public and private sectors. In this panel, the private corporate sector is represented by leading Spanish companies in the field, which will introduce their business strategies and flagship projects: - BBVA, one of the leading banks in structuring operations of green bonds and green loans; - Iberdrola, a leading wind energy company; - Indra, a leading technology company.</p> <p><i>Speakers: Mr. Javier Manzanares, GCF; Mr. José Luis Curbelo, COFIDES, BBVA, TBB; Iberdrola, and Indra</i></p>
<p><b>Thursday</b></p> <p>05 Dec 2019 10:30 – 12:00 EU Pavilion</p>	<p><b>Putting Koronivia Joint Work on Agriculture into practice: Country cases addressing soil, water management and integrated systems</b></p> <p><i>Organiser: FAO</i></p> <p>Agriculture needs to sustainably increase production and reduce GHG emissions. This event will focus on possible tools and actions to implement and operationalize the KJWA at national level and Kenya, Brazil, Indonesia, Austria, and other KJWA countries will present their success stories.</p>
<p><b>Thursday</b></p> <p>05 Dec 2019 15:00 – 16:30 Room 6</p>	<p><b>Action for Adaptation: How We Manage Water for Climate Change Resilience</b></p> <p><i>Organiser: International Water Management Institute (IWMI) and World Water Council (WWC)</i></p> <p>The recent calls to action demand a new narrative on water management. This event will help catalyse the revolution by highlighting how climate-resilient water management delivers critical adaptation solutions for: food systems, cities, finance, infrastructure, NBS, and local action.</p> <p><i>Speakers: Claudia Sadoff IWMI, Representative of the WWC, John Matthews AGWA, CGIAR, World Bank, C40cities, Global Infrastructure Basel, IWMI, Practical Action</i></p>

Day/Time	Activity
<b>Thursday</b> 05 Dec 2019 17:00 MDB Pavilion	<b>Resilient Basins and Water Action Day Kick-Off</b> <i>Organiser: World Bank</i> High-level technical session to present cases on resilient basins, in line with the Water Action Track of the Global Commission on Adaptation. A 'High-Level Reception on Water and Adaptation' to help kick-off the December 6 <sup>th</sup> Water Action Day will immediately follow.
<b>Friday</b> 06 Dec 2019 10:30 – 13:30 Room 6 Global Climate Action event, Hall 4, Room 6	<b>MPGCA water action event – Just add water: solutions for the 2020 NDCs and beyond</b> <i>Organisers: FWP, AGWA, SIWI, GafWaC, IUCN, FAO, UNESCO-IHP, WWF</i> This session aims to bring together water stakeholders and specialists from other fields to help disseminate best practices in the areas of water and climate. It will be divided into two sub-sessions: <ul style="list-style-type: none"> <li>• urban resilience via a balance of green and grey solutions,</li> <li>• the “food and forestry” value chain: connecting projects from source to sea.</li> </ul>
<b>Friday</b> 06 Dec 2019 11:30 – 13:00 UNFCCC Resilience Lab	<b>Impulse-event on managing water and other natural resources in a participatory and equitable way</b> <i>Organiser: GWP</i> Impulse-event on managing water and other natural resources in a participatory and equitable way. The event will explore Resilient Frontier Water Solutions for climate hotspots such as the Aral Sea, Lake Chad, City of Cape Town and others. <i>Speaker. Ambassador Howard Balmsey – GWP Chair, Govt. of Uzbekistan, Ambassador Seyin Nafu – Africa Adaptation Initiative (AAI) Africa Group of Negotiators (AGN), Dr. Youssef Nassef – UNFCCC Director of Adaptation, Dr. Monika Weber – GWP Executive Secretary, Dr. Pradeep Kurukulasuriya – UNDP Director/Executive Coordinator, Dr. Shennaz – CDKN Director, Alex Simalabwi – Global Head, GWP Climate Resilience</i>
<b>Friday</b> 06 Dec 2019 13:00 – 14:30 MDB Pavilion	<b>It's time for climate action! Initiatives and projects by French stakeholders in water</b> <i>Organiser: FWP</i> Through this event, the FWP wishes to present concrete actions developed in the regions and at various levels to manage water and aquatic environments: an opportunity for stakeholders in water to issue a reminder that water is a lever in the fight against climate change, and also in meeting the targets of the 2030 Agenda!
<b>Friday</b> 06 Dec 2019 14:00 MDB Pavilion	<b>Water Resilient Cities: A circular economy approach to water as a tool for climate change adaptation</b> <i>Organiser: World Bank</i> Technical session to present cases on water resilient cities, including the promotion of citywide circular economy approaches to water and wastewater reuse, in line with the Water Action Track of the Global Commission on Adaptation.
<b>Friday</b> 06 Dec 2019 14:30 UNFCCC Resilience Frontiers Lab	<b>Water Day: Minilab on youth contributions to water RF road mapping</b> The “Resilience Frontiers”, is an action pledge under the Nairobi work programme on impacts, vulnerability and adaptation to climate change. It aims at harnessing the potential of paradigm-shifting frontier technologies and emerging social trends, including youth engagement towards long-term global resilience. During the event the youth will contribute to the development of the Resilience Frontiers roadmap.



Day/Time	Activity
<b>Friday</b> 06 Dec 2019 18:00 – 21:00 San Pedro de Atacama	<b>13<sup>th</sup> Focal Point Forum of the Nairobi Work Programme on oceans</b> <i>Organiser: UNFCCC</i> In accordance with the outcomes of SBSTA 50 (FCCC/SBSTA/2019/paragraph 17), the NWP this year's focuses on the topic of oceans. The NWP collaborates with partners and relevant organizations in this thematic area, including on organizing the 13 <sup>th</sup> NWP Focal Point Forum. This Forum will be held under the guidance of the Chair of the SBSTA in conjunction with the SBSTA 51 in Madrid, Spain. <i>Speakers: Mr. Paul Watkinson, SBSTA; Mr. Hans-Otto Pörtner, IPCC</i>
<b>Saturday</b> 7 Dec 2019 11:00 – 12:30 Pavilion Francophonie	<b>The Water Component of Nationally Determined Contributions in National Policies and Strategies of Francophone African Countries</b> <i>Organiser: FWP and RC&amp;D</i> Water is a core component of the Nationally Determined Contributions (NDCs), particularly in French-speaking African countries. However, their content varies from one country to the next. The event aims to share and discuss feedback from public and private stakeholders and civil society in France and French-speaking African countries on their experience of drawing up NDCs, national plans, and water-related projects and their financing.
<b>Saturday</b> 7 Dec 2019 13:00 – 15:00	<b>UNFCCC NAP Technical Working Group</b>
<b>Saturday</b> 07 Dec 2019 13:15 – 14:45 Room 2	<b>“Ecosystem-based adaptation in the water sector: When green and grey make blue!” Ecosystem-based Adaptation in the water sector mobilizes “no-regret”</b> <i>Organiser: International Network of Basin Organizations (INBO), Helvetas Swiss Intercooperation and Partenariat Français pour l'Eau (PFE)</i> Nature-based Solutions incl. resilient land & forest management that best deliver at the scale of the basins of lakes, rivers and aquifers. Discover case studies from around the world (Andean, East Asian & African regions)! <i>Speakers: Mr. Eric Tardieu, Secretary General, INBO Mr. HU Zuoliang, Hai river commission, China Ms. Judith Enaw, Congo river International Commission, Mr. Cyrille Barnerias, French biodiversity agency Mr. Franciso Medina, Helvetas Peru Mr. Marc Dumas-Johansen, GCF Mr. Jean-Launay, PFE</i>
<b>Saturday</b> 07 Dec 2019 13:30 – 14:30 NDC Partnership Pavilion	<b>The Untold Story of Water in Climate Action</b> <i>Organizer: GWP</i> This event will feature 15 countries speaking on opportunities to build resilience and advance on Sustainable Development Goal (SDG) targets through integrated approaches for managing water.
<b>Sunday</b> 08 Dec 2019 09:00 – 18:30 Hilton Madrid Airport 2 Avenida de la Hispanidad #4	<b>Development and Climate Days 2019</b> <i>Organisers: RCCC, IIED, EIT Climate-KIC, FAO, GRP, IDRC, UNDRR, InsuResilience Global Partnership</i> The one-day event will bring together thinking from various sectors – food and agriculture, finance, cities, infrastructure, biodiversity – that are seeking coherence and cross-cutting partnerships to ensure climate resilience for all. At D&C Days learning experiences will be shared by engaging, being productive and having fun. The dynamic format encourages dialogue on a range of issues that link policy,

Day/Time	Activity
28042 Madrid Spain	<p>knowledge and practice. Innovative approaches encourage participants to interact, challenge existing thinking and generate new ideas.</p> <p>The 17<sup>th</sup> annual D&amp;C Days will carry forward conversations from the event ‘Building a Resilient Future’ held at the UN Climate Action Summit in September 2019, building on the five themes:</p> <ul style="list-style-type: none"> <li>• Building resilient food and agriculture systems</li> <li>• Early warning, early action to leave no one behind</li> <li>• Financing a resilient future</li> <li>• Establishing resilient cities and infrastructure, and</li> <li>• Working with nature to build resilience</li> </ul>
<b>Sunday</b>	<b>NDC Partnership Annual members Forum</b>
08 Dec 2019 14:00 – 15:30 Marriott Auditorium	
<b>Monday</b>	<b>GWP launches 10 Stories of Water, Climate Resilience, Development from 2011-2019</b>
09 Dec 2019 10:00 – 11:00	<p><i>Organiser: GWP</i></p> <p>GWP has managed to mobilize 25 EUR for water and climate resilience projects to support the implementation of more than 30 projects and also facilitate the incorporation of water and climate into 20 formally approved development plans and strategies and influenced investment plans. During the event GWP will share a collection of impact stories from ten countries.</p> <p><i>Speaker: MWF</i></p>
<b>Monday</b>	<b>PCCB joint session with AF</b>
09 Dec 2019 13:00 – 14:30	<p><i>Organiser: GWP</i></p> <p>AF and GCF will launch their formal CoP for DAEs. GWP will present readiness work with 77 countries on project preparation and flood and drought.</p> <p><i>Speaker: Alex Simalabwi (GWP), Frederik (GWP) and MWF</i></p>
<b>Monday</b>	<b>Averting the climate and biodiversity crises: Natural solutions pivotal in delivering NDC ambitions</b>
09 Dec 2019 15:00 – 16:30 Room 1	<p><i>Organisers: Wetlands International, GIZ, AGWA, Ramsar Convention, IUCN, Global Peatland Initiative, BirdLife, Point Blue Conservation Science, Government of the People’s Republic of China, SDSN, RSPB</i></p> <p>Wetlands, peatlands, mangroves, forests, and other primary ecosystems retain massive carbon stocks and improve resilience. Biodiversity underpins carbon storage and sequestration. Harnessing and mapping linkages between nature-rich and carbon-rich areas will catalyse higher ambition for NDCs.</p>
<b>Monday</b>	<b>Leveraging Readiness Support for ambitious programming and investment</b>
09 Dec 2019 15:15 – 16:45	<p><i>Organiser: GCF</i></p>

Day/Time	Activity
GCF+GEF Pavilion	<p>In March of 2019, the GCF Board approved a new strategic direction for the Readiness and Preparatory Support Programme over the next three years. The Secretariat has begun to operationalize the strategy and recently issued new guidance to inform countries as they conceptualize and submit new proposals for readiness support. This event will provide an opportunity for National Designated Authorities (NDAs), delivery partners, and other relevant stakeholders to learn how the Readiness Programme has changed in substantive focus and operational modalities, as well as how it will support countries during GCF-1. The event will feature case studies from a panel of NDAs and delivery partners on their approach to accessing readiness resources in line with the new Readiness Programme strategy. The case studies and discussion will present how readiness funding for capacity building and technical assistance can drive NDC development and implementation, strengthen investment pipelines, and create the enabling policy and planning environments for sustained climate action.</p> <p><i>Speakers: Ms. Susanne Pedersen, Global Green Growth Institute; Ms. Andrea Rodriguez, Climate Action Program, Fundacion Avina; Mongolia NDA; Cook Islands NDA; Mr. Daniel Buckley, GCF</i></p>
<p><b>Monday</b></p> <p>09 Dec 2019 16:30 – 18:30 EU Pavilion</p>	<p><b>Meet the Expert space: CEE youth discuss YVPC's 8 national dialogues</b></p> <p><i>Organiser: GWP</i></p> <p>Youth from several European countries, who have successfully conducted national dialogues will gather at the EU Pavilion for the <b>Meet-the-Expert session</b>. This interactive session will showcase the urgent need for a more open dialogue between youth and policy makers on water and climate change. The young professionals will present the outcomes of these dialogues and discuss the challenges of the water and climate sector from their perspective.</p> <p>The focus will be on the results of the efforts done by young changemakers in the world under a framework of innovative activities, as well as on concrete recommendations and innovative solutions from all seven countries that were identified during the national events. The session will bring a closer look not just on the policy dialogue, but also on local actions undertaken or planned by the young professionals and will explore the influence that local actions can have on policy making and vice-versa.</p>
<p><b>Monday</b></p> <p>09 Dec 2019 16:30 – 18:30 MPGCA Climate Action Area</p>	<p><b>MPGCA Roundtable on SDG 6</b></p> <p><i>Organisers: UNFCCC, AGWA, SIWI, Business Alliance for Water and Climate, FAO, Global Alliances for Water and Climate, WWC, Megacities Alliance for Water and Climate</i></p> <p>In this roundtable, organizers aim to identify and demonstrate how integrated, holistic, efficient, effective, equitable, resilient and sustainable water solutions can ensure the delivery of the 2030 Agenda and ensure that parties reach the ambitions of the Paris Agreement. It will feature examples of progress to date on a diverse range of issues relating to SDG6 and other water related targets, while simultaneously being part of climate action implementation to deliver a just, prosperous and low carbon future.</p>
<p><b>Monday</b></p> <p>09 Dec 2019 18:15 – 19:45 GCF+GEF Pavilion</p>	<p><b>GCF's and GEF's role in blended finance: How climate finance mechanisms are using development capital to mobilise additional private finance for NDC related investments</b></p> <p><i>Organiser: GCF</i></p> <p>Development finance institutions are crucial actors in driving green investments and creating new markets for climate. Engagement between DFIs and climate finance institutions are needed to scale investments, and a roadmap with a common goal is an essential element. This side event will demonstrate how innovative equity, grant, guarantee and lending instruments are being deployed by GCF and GEF to de-risk scalable projects to</p>



Day/Time	Activity
	<p>contribute towards achieving the commitments of the Paris Agreement across developing countries. By establishing a track record of successful and innovative blended project structures these two climate finance facilities are demonstrating the catalytic impact of Blending project capital stacks.</p> <p><i>Speakers: Mr. Yannick Glemarec, GCF; Ms. Naoko Ishii, GEF; Mr. Hans Pette Lanke, IFC; Mr. Josué Tanaka, Operational Strategy and Planning, Energy Efficiency and Climate Change; Mr. Ed Wells, Group Policy, Sustainable Finance and Investment; Mr. Andrew Johnstone, Climate Investor One; Mr. Jay L. Koh, Lightsmith Group and Mr. Tony Clamp, GCF</i></p>
<p><b>Tuesday</b> 10 Dec 2019 09:00 – 10:00</p>	<p><b>NDC Partnership Pavilion: High- Level celebration of 3 years of the NDCP</b></p>
<p><b>Tuesday</b> 10 Dec 2019 11:30 – 15:00 Room 2</p>	<p><b>Transboundary groundwaters: A Climate Change mitigation and adaptation solution for Africa</b></p> <p><i>Organiser: Observatoire du Sahara et du Sahel (OSS)</i></p> <p>In Africa, the availability and access to groundwater is recording disparities. In the sub-Saharan, a paradox is noted between the ground and surface water while countries focus on mobilizing surface water affected by CC. We will highlight the role that transboundary groundwaters play in adaptation.</p> <p><i>Speakers: African institutions and stakeholders from water sector</i></p>
<p><b>Tuesday</b> 10 Dec 2019 16:45 – 18:15 Room 1</p>	<p><b>Climate-resilient water management approaches</b></p> <p><i>Organisers: UN UN-Water, UNESCO (lead), UNECE, WMO, UNDP, UNU-INWEH, UNCCD, ESCWA, SIWI, AGWA, WWC, GWP, FWP, ILO, WHO</i></p> <p>Climate change is inextricably linked to water- for adaptation and mitigation- and there are significant co-benefits to managing climate and water in a more coordinated and sustainable manner. The event will present approaches, methodologies and climate action for negotiations and implementation.</p> <p><i>Speakers: Mr. Antonio Cañas Calderón (Ministry of Environment and Natural Resources, El Salvador); Mr. Adel Alobeiaat (Head of Policy and Strategic Planning Directorate, Ministry of Water and Irrigation, Jordan); Dr Callist Tindimugaya (Commissioner for Water Resources Planning and Regulation; Ministry of Water and Environment, Uganda), Mr. Abdou Guero (Technical Director, Niger Basin Authority) and Mr. Willy Missack (Pacific Climate Change Collaboration, Influencing and Learning Project Manager, Vanuatu Climate Action Network and Vanuatu Humanitarian Team Coordinator, Oxfam)</i></p>
<p><b>Wednesday</b> 11 Dec 2019 10:30 – 11:00 UNFCCC Press Conference</p>	<p><b>NDCs and SDGs: Water as a connector to increase ambitions and accelerate implementation</b></p> <p><i>Organiser: GWP, ESPERANZA</i></p>
<p><b>Wednesday</b> 11 Dec 2019 11:00 – 12:30 Korea Pavilion</p>	<p><b>Challenges on Cooperation Platform for Water-Energy-Food Nexus in the Asia and the Pacific Region</b></p> <p><i>Organisers: Science and Technology Policy Institute, Green Technology Centre, Republic of Korea and United Nations Environment Programme</i></p> <p>Science and Technology Policy Institute, Green Technology Center of Republic of Korea and UN Environment Programme conducted collaborative research on WEF Nexus approaches to address climate change challenges and to achieve Sustainable Development Goals. The</p>

Day/Time	Activity
	<p>main aim of the research is to raise awareness on the importance of and provide policy direction on WEF Nexus among policymakers in the Asia Pacific Region; to share knowledge about approaches, methodologies, tools and practices on WEF Nexus which can be applicable to the Asia Pacific Region; and to explore ways to develop a collaborative framework, “WEF Nexus Dialogue Platform”. The policy report on WEF Nexus for the Asia Pacific region to be produced by the collaborative research will provide policy direction on WEF Nexus among policymakers in the Asia Pacific Region.</p> <p>This side-event aims to share meaningful outcomes of collaborative research on WEF Nexus for the Asia and Pacific Region and explore ways to develop “WEF Nexus Dialogue Platform”. This side-event will reinforce awareness on the importance of and provide policy direction on WEF Nexus in order to address climate change challenges and to achieve Sustainable Development Goals.</p> <p><i>Speakers: Dr. Hwanil Park, Head of Multilateral Project Office, STEPI; Dr. Suil Kang, Director, Global Strategy Division, GTCK; Mr. Mozaharul Alam, Regional Coordinator, UN Environment Programme Regional Office for Asia and the Pacific; Mr. Alex Simalabwi, Global Head Climate Resilience, GWP, Dr. Nurul Quadir, Additional Secretary, Ministry of Environment, Forest and Climate Change, Bangladesh (TBC) and Mr. Pham Van Tan, Deputy Director General, Department of Climate Change, Ministry of Natural Resources and Environment, Viet Nam</i></p>
<p><b>Wednesday</b></p> <p>11 Dec 2019</p> <p>13:15 – 14:45</p> <p>GCF+GEF Pavilion</p>	<p><b>Collaborative engagement with GCF and GEF</b></p> <p><i>Organiser: GCF</i></p>
<p><b>Wednesday</b></p> <p>11 Dec 2019</p> <p>15:00 – 16:30</p> <p>Room 2</p>	<p><b>Increasing Ambition for Water in NAP implementation and NDC delivery: Accessing Climate Finance</b></p> <p><i>Organiser: GWP</i></p> <p>Over 320 officials – GCF National Designated Authorities, GCF Direct Access Entities, and Water Ministries – from 77 countries across 4 continental regions – Africa, Asia, the Mediterranean, and Latin America &amp; the Caribbean – participated in a series of regional workshops in 2018-2019, to share lessons from their growing experience in preparing, financing, and implementing GCF water projects. At the workshops, country teams worked on 132 country-prioritized potential GCF water project ideas, sharpening their climate rationale and paradigm-shift potential.</p> <p>This event will share lessons from countries and discuss support available to countries via the regional Project Preparation Partnerships that have emerged from these workshops. Taking place under the Presidency of the Government of Chile, this COP25 event will highlight the case of Latin America &amp; the Caribbean.</p> <p><i>Speakers: Dr. Maxx Dilley, WMO; Sara Oppenheimer, GWP; IDB; Mr. Trevor Thompson, Grenada, Ministry of Agriculture, Lands, Forestry and Fisheries; Ephraim Mwepya Shitima, Zambia, Ministry of Lands and Natural Resources; Mr. Déthié Soumaré Ndiaye, GCF DAE Centre de Suivi Ecologique au Sénégal and CCCCC</i></p>
<p><b>Thursday</b></p> <p>12 Dec 2019</p> <p>12:30 – 13:15</p> <p>WMO/IPCC Pavilion</p>	<p><b>UN CC: Learn Climate Classroom “Adapting to climate change- Exhibit A: Drought”</b></p>



Day/Time	Activity
<b>Thursday</b> 12 Dec 2019 Time TBD COP Plenary	<b>GWP address to COP25 plenary</b>
<b>Friday</b> 13 Dec 2019 12:30 – 14:00 Room Brussels	<b>Climate actions true-to-life steps: Initiating policies, climate finance access &amp; implementation</b> <i>Organiser: EU and Union for Mediterranean</i> <i>Speakers: Mohammed Sefiani, Mayor of Chefchaouen in Morocco; Mondher Marzouk, Mayor of Monastir, Tunisia; Jihad Alsawair, Ministry of Environment of Jordan; UfM Co-Presidency; Vahakn Kabakian, Clima-Med National Focal Point, UNDP, Ministry of Environment, Lebanon; EIB/EBRD and Christophe Nuttall, R20</i>
<b>Friday</b> 13 Dec 2019 13:15 – 14:45 Room 2	<b>Water management/flood risk reduction/JW-Eco-Technology as adaptation strategies in Africa/Asia</b> <i>Organiser: Institute for Biodiversity Network e.V. * (ibn) and Association of Sustainable Ecological Engineering Development (ASEED)</i> <b>JW Eco-Technology provides climate solutions by detaining rain for reuse through permeable pavement. Projects under the German funding program Client II present adapted research and innovations on climate change adaptation through water management and flood risk reduction in Africa and Vietnam.</b> <i>Speakers: Jui-wen Chen, chair of ASEED Yvonne Walz, project CLIMAFRI; Mathias Garschagen, project DECIDER Sajjad Tabatabaei, project RAIN Vera Stercken, German Federal Ministry for Education and Research</i>





## Annex 1: Schedule: Resilience Frontiers

Day 1 – Mon 2 December	Day 2 – Tue 3 December	Day 3 – Wed 4 December	Day 4 – Thu 5 December	Day 5 – Fri 6 December	Day 6 – Sat 7 December
Opening day	Applying lifelong learning for environmental stewardship	Transforming humanity’s interface with nature, building on indigenous values	Ensuring universal and equitable access to frontier data technologies	Managing water and other natural resources in a participatory and equitable way	Optimizing future health and wellbeing using a holistic and ecosystem-centered approach

Day 7 – Mon 9 December	Day 8 – Tue 10 December	Day 9 – Wed 11 December	Day 10 – Thu 12 December	Day 11 – Fri 13 December
Managing transboundary considerations equitably	Mainstreaming regenerative food production	Developing transformative financial instruments	25 years of adaptation under the UNFCCC as a launchpad for a resilient future	25 years of adaptation under the UNFCCC as a launchpad for a resilient future

### CONTACT DETAILS FOR GWP WATER RESILIENCE FRONTIER CLIMATE TEAM

To join the Water Resilience Frontier Initiative contact:

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For more information on GWP Water Events at COP 25, contact:

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For Information on events by other partners, contact the convenors





