

Federal Department of Foreign Affairs FDFA

Federal Department of Economic Affairs, Education and Research EAER

3003 Berne

M21-24@eda.admin.ch

23. August 2019

Dear Federal Councillor Ignazio Cassis, Dear Federal Councillor Guy Parmelin,

We would like to express our sincere gratitude for the invitation to comment on the draft Dispatch on Switzerland's International Cooperation 2021 - 24. We are pleased to present our position paper on behalf of the Swiss Water Partnership hereafter. This position paper has been endorsed by 56 partner organizations and 201 individuals. Since the Swiss Water Partnership acts as a global multi-stakeholder platform consisting of 70 members from the water sector, this paper has been written in English.

We hope for the consideration of this position in the Dispatch on Switzerland's International Cooperation 2021 - 24.

Yours sincerely,

Olga Darazs Chair of Swiss Water Partnership

r /66a

Soraya Kohler Coordinator of Swiss Water Partnership

Annex:

- Position paper by Swiss Water Partnership, published on 15 August 2019: https://www.swisswaterpartnership.ch/wp-content/uploads/2019/08/SWP-Position-paper-on-the-Dispatch-on-Dev-Coop-2021-2024.pdf
- List of endorsing organisations
- List of endorsing individuals



SSI

STRATEGOS Pour des organisations pérennes

Endorsing SWP member organisations



Endorsing partner organisations

1001fontaines Suisse	Land and Water Bolivia Ltda
Access to water	Mwenya
AFVMC Assistance to Families and Victims of	
Clandestine Migrations	My Imperative Actions
Agence PRIDAM sprl	SDW
Aqua-4D Water Solutions	Slum life survival (SLS)
Banka BioLoo	Solidar Suisse
Batwa Rock and cave	SUPSI
Center for Watershed	Swiss NGO DRR Platform
Daniel Iroegbu Global Health Foundation	SWISSAID
Dropstone sarl	TAM Ceramics LLC of NY USA
Engineers Without Borders Sierra Leone	The Darklands Foundation
European Water Stewardship	Vivamos Mejor
Geneva Water	Water Access Consulting
H2O Energies	Water Integrity Network e.V.
HSR University of Applied Sciences Rapperswil	Young Water Solutions
International Secretariat for Water	Association pour la Sauvegarde du Léman



Position Paper on Water

linked to the public consultation for the Dispatch on Switzerland's International Cooperation 2021 - 2024

SWP secretariat: 15 August 2019

Endorsed by 56 organisations, of which 25 are SWP member organisations, and by 201 individuals from the water and sanitation sector. The work of more than two-thirds of the organisations and individuals is related to the Swiss Development cooperation.

The Swiss Water Partnership

The Swiss Water Partnership (SWP) is a globally recognized brand of Swiss high-quality solutions to global water challenges and acts as a unique multi-stakeholder platform that brings together 70 Swiss organisations from academia, civil society, public and private sectors. As a strong recognized national and global actor in the water sector it has been influential in international processes, like providing space and acting as a consultation platform for defining the Swiss position for the water and sanitation sector as it did for the post-2015 agenda that resulted in the establishment of the dedicated UN Sustainable Development Goal for water (SDG 6): Ensure availability and sustainable management of water and sanitation for all. With a strong focus on SDG 6, the SWP members' expertise, applied at different scales and across the sector, contribute to achieving all SDGs as well as the human right to water.

As 82% of Switzerland's water footprint is produced outside of Switzerland, SWP assumes Switzerland's responsibility in this regard by showing solidarity and supporting developing and transition countries in finding solutions to achieve water security for their people and ecosystems. Driven by the platform's values of solidarity and integrity (i.e. promoting transparency, accountability and participative solutions), SWP promotes the sustainable and equitable use and management of water resources and the sustainable universal access to safe water and sanitation.

Together with its members, the platform has created this position paper and has invited other Swiss partner organisations to endorse it, leading to a total number of 56 organisations and 201 individuals.



Importance of water for the dispatch 2021 – 2024

SWP welcomes the importance that has been given to water¹ in the dispatch on Switzerland's International Cooperation 2021 – 2024. SWP supports that water has been recognised

- as key topic in the development goals for human and environment development, including for climate change and natural resources (goals 2.1., 2.2) as well as emergency assistance, the provision of basic needs and migration (goals 3.1., 3.3), (p. 41 43)
- as priority topic within the bilateral cooperation for the regions MENA, Central-, South Asia, South-East Asia and in fragile countries in Sub-Sahara Africa (p. 20, 21)
- as core area for humanitarian assistance (p. 19)
- as human-right and as central global topic for transboundary water management, conflict and disaster risk reduction, gender- and inter-generational equality and for the need of involving social entrepreneurship and the private sector, and for creating efficient and sustainable financing supported through the Global Programme Water (p. 26)
- as determinant of health, supported by the Global Programme Health (p. 26)
- as investment to achieve cross-sectoral strategies in order to create and strengthen reliable framework conditions for economic and trade measure, supported by SECO (p. 24).

However, water has <u>not</u> been incorporated

- as key topic in the development goals for economic development and for peace and governance, including not for sustainable economic growth, market access, private sector, employment (goals 1.1., 1.2.), disaster risk reduction, reconstruction, rehabilitation (goal 3.2.), conflict prevention, human rights and gender equality (goals 4.1., 4.2., 4.3.), (p. 41 - 43)
- as a priority topic within the bilateral cooperation for the regions Eastern Europe, Latin America and the Caribbean as well as for stable countries in Sub-Sahara Africa (p. 21, 22)
- as a dedicated thematic priority (p. 15) as it has been treated only as a transversal theme
- as a share in the budget (p. 50)

Therefore, SWP demands that water should be addressed as one of the **highest priorities** in the dispatch 2021 – 2024. It strongly encourages amendments of the dispatch to include

- 1. water as a dedicated thematic priority
- 2. SDG 6 in all four development goals
- 3. water as a priority topic for all geographic focus regions
- 4. the share for water in the budget

¹ To simplify the reading we will use the term water in this position paper, however, the term takes water as a multidimensional, multi-level and cross-sectoral entity into account. It includes water, sanitation and hygiene as well as its interconnections between ecosystems, economic stability, social-well being and peace.



1. Water as a dedicated thematic priority is in line with the three criteria for the engagement in international development cooperation

SWP urges that water becomes a dedicated thematic priority in the dispatch 2021 - 2024 because water

- is a **dedicated SDG and human right for which Switzerland** is one of the world's pioneers and engages for on the national and international agenda for years
- is at the core of all dimensions of sustainable development
- is one of the **most essential and strategic resources** for international cooperation
- needs to be addressed and **managed holistically** to solve multi-dimensional, multi-level and cross-sectoral challenges.

Water needs to be included for all dimensions of sustainable development and for all regions as it is one of the most essential and strategic resources for global social well-being, economic development, the maintenance of ecosystem services and is directly linked to peace and security. It is a dedicated human right and SDG, that Switzerland has been advocating for on the international agenda. This recognition in relation to water and sanitation has been at the heart of Switzerland's strategy in the national and international cooperation for years. Thus, Switzerland among its partners has committed to ensure universal access to safely managed water and sanitation for all humans. The successes to improve the access to basic services that Switzerland has achieved worldwide are only a first step. It is coherent and consistent to continue and leverage this Swiss investment.

In this regard, SWP encourages the commitment to manage the entire water cycle, including its economic, peace and governance dimension across regions. At the same time, cooperation with all stakeholders among all water-dependent sectors is necessary for achieving a systemic change towards sustainable management of water resources. It must continuously be at the centre of Switzerland's approach to humanitarian aid and development cooperation: Only the **holistic consideration of the entire water cycle**, **in cooperation with all partners**, has the potential to contribute to an improved health, food security and ultimately to sustainable economic growth, peace and security, which will give a perspective to the local population, with which Switzerland has established partnerships.

Switzerland has an interest and the responsibility in contributing to solving global water problems, as it has a direct and positive impact on our economy, our environment and, above all, on our well-being: Contributing to solving water problems has a **direct and positive impact** on the life of the people worldwide as well as in Switzerland.

SWP members and partners have jointly developed a strong argumentation to demonstrate that water as a dedicated thematic priority is in line with the three criteria for the engagement in international development cooperation as displayed on page 9 of this document.

Given this strong argumentation from the Swiss water and sanitation sector and Switzerland's prominent advocacy for the adoption of water as a human right and dedicated SDG, SWP encourages that Switzerland remains coherent in its commitment and strongly supports the global implementation of the human right and SDG 6.

Therefore, SWP urges that water becomes a dedicated thematic priority in the dispatch 2021 – 2024.



2. Including SDG 6 in all four development goals

SWP urges to include **SDG 6 in all specific development goals** on page 41 - 43 of the dispatch as it is at the core to achieve all four overall development goals: The human, environmental and economic development as well as for peace and governance (p. 14 - 17). Therefore, we will first demonstrate that water is one of the highest priorities to reach the four development goals and then display the suggested amendments for page 41 - 43 of the dispatch below. The detailed arguments by SWP members and partners are shown on page 10-11 of this document. Translation of the goals are available online (DE, FR, IT).

Objective 1: Economic development (Sustainable growth/market access/decent employment)

- The foundation for a stable economic development is the access to natural resources, including water
- Water is a major driver to create employment along many value chains

Suggested amendments (highlighted in red and detailed in the Annex):

- *Ziel 1.1:* Die Rahmenbedingungen für den Marktzugang verbessern und wirtschaftliche Möglichkeiten schaffen (Verbindung mit SDG 5, 6, 8, 9, 10, 17)
- *Ziel 1.2:* Innovative Initiativen des Privatsektors fördern, um die Schaffung menschenwürdiger Arbeitsplätze zu erleichtern (Verbindung mit SDG 4, 5, 6, 8, 9, 10, 12, 17)

Objective 2: Environmental development (Climate Change/ natural resources)

- Water is a main factor of causes and consequences of climate change
- Holistic water management is essential for adaptation and mitigation strategies to climate change
- Sustainable water resource management is core to preserve ecosystem services and biodiversity

Objective 3: Human Development (Saving lives/ access to basic needs/ migration)

- Water is the key for an improved health, food security and to reduce disaster risks
- Lack of access to WASH services is a root cause for migration
- A large effort to achieve safely managed drinking water, sanitation and hygiene still needs to be made: In 2017 more than 2.1 billion are lacking access to safely managed drinking water, more than 4.2 billion are lacking access to safely managed sanitation services and 3 billion people lacking water and soap for hand washing (<u>WHO/UNICEF JMP Report 2019</u>).

Suggested amendments:

Ziel 3.2: Katastrophenvorsorge, Wiederaufbau, Rehabilitation (Verbindung mit SDG 6, 11)



Objective 4: Peace and Governance (rule of law)

- Universal access to safely managed drinking water and sanitation is a human right (not only improvement for some people but for all)
- Water is an instrument and a strategic important resource for peace and to reduce conflicts in transboundary issues
- Water, sanitation and hygiene plays a key role in gender and intergenerational equality

Suggested amendments:

- *Ziel 4.1: Konflikte verhüten, Frieden und Achtung des Völkerrechts fördern (Verbindung mit SDG 5, 6, 16)*
- *Ziel 4.2:* Menschenrechte und Geschlechtergleichstellung stärken und fördern (Verbindung mit SDG 4, 5, 6, 10, 16)
- Ziel 4.3: Gute Regierungsführung und Rechtsstaatlichkeit fördern (Verbindung mit SDG 6, 16)



3. Water is a priority topic for all focus regions

Water is central for all regions and thus should be included as priority topic in all geographic focus regions. Amendments are displayed in red. Translations of the goals are available online (DE, FR, IT).

Focus regions

1. Sub-Sahara Africa (p. 21):

- Water is as important in stable countries in this region as in fragile countries to preserve peace and contribute to preventing migration

Suggested amendments (highlighted in red):

In den stabilen Ländern dieser Region sind die Prioritäten:

- Wasser und Anpassung an den Klimawandel und Reduktion von Katastrophenrisiken

2. Eastern Europe (p. 22):

- Improvement of basic provision and adaptation to climate change, in regard to Integrated Water Resource Management, transboundary issues (e.g. Kosovo) is key to achieve water security of the vulnerable population and to prevent conflicts in the region

Suggested amendments:

Prioritäten der bilateralen Entwicklungszusammenarbeit in dieser Region:

- wirtschaftliche Entwicklung durch die Stärkung des Finanzsektors, Schaffung von Arbeitsplätzen, Verbesserung der Grundversorgung, einschliesslich der Wasser-, sanitären und der Energieversorgung der Städte und in ländlichen Regionen; (...)
- Verminderung der Ursachen des Klimawandels und Anpassung an dessen Folgen, einschliesslich der Wasser- und Energiebewirtschaftung, Umweltschutz und Reduktion von Katastrophenrisiken.

3. Latin America and the Caribbean (p. 22):

- Latin America and the Carribean (LAC) remain a conflict-driven region and therefore improvements in (water) governance remain important.
- The international cooperation with the WASH sector has been fruitful and successful in the LAC region. In order to benefit from the knowledge and know-how developed in the Swiss development programmes within these countries, Switzerland should invest into conserving and sharing the knowledge and lessons learnt with other regions.
- Inequalities within the water sector between rural and urban regions remain high in the region: "While urban water and sanitation services performance rates are on the increase, the same trend is not witnessed outside of the urban circle, and inequalities persist. According to the JMP (2015) 14.1% of the rural LAC population lack access to a basic drinking water service (compared to 1.9% of the urban population) and 8.5 million people relied on surface water for drinking. In the same year, only 68.4% of the rural population used a basic sanitation service (compared to 90% of the urban population) and 18 million people in rural LAC still practiced open defecation (World Bank 2019)."



4. Define the share of water in the budget

Within the dispatch 2021 - 2024 SWP notes the following:

- The exact budget for water remains unclear (p. 50).
- The overall budget for global programmes and initiatives is at 796 Mio. CHF, which is 12 % of the budget for international cooperation (p. 50) and around 30 Mio. CHF are indicated per year for each global programme (p. 25).

SWP encourages to make the **share in the budget** dedicated for water activities explicit and supports to **increase the Swiss official development aid** (ODA, APD) **to 0.7 % of the GNI**: The prognosis of the Swiss official development aid (ODA, APD) is at 0.45 % of the GNI (p. 2), which is below the ODA ratio of 0.5 % of the GNI as decided by the Swiss parliament in 2011. This commitment is considerably below the international commitment of 0.7 % of the GNI (Addis Ababa Action Agenda).

SWP underlines that the increased budget for climate change action should be considered as an **additional budget to the current ODA**: As the budget for climate change action will be increased (p. 50), it should come as an additional budget to the current ODA and not reroute the funds planned for other thematic priorities.

In the list of priority organizations (Annex 5, p. 48-49), many of the global multi-lateral organisations related to water have been listed, however, some important organisation and networks are not explicitly mentioned. SWP demands to include also following global multi-lateral organisations and networks related to water in the budget allocation as listed in Annex 5 of the dispatch (p. 48-49):

- UN Water (Interagency Mechanism)
- Water Supply and Sanitation Collaborative Council (WSSCC) as part of the United Nations Office for Project Services (UNOPS)
- World Meteorological Organisation (WMO) as part of the United Nations Economic and Social Council (ECOSOC)

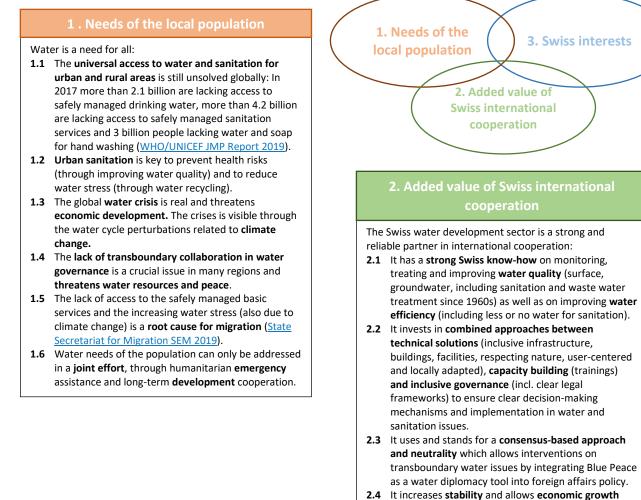
SWP expresses its deepest gratitude to FDFA and EAER as well as to the supporting organisations for taken this position paper into account for the Dispatch on Switzerland's International Cooperation 2021 - 2024. SWP welcomes all organisations, the FDFA and EAER to share its impressions and to discuss with us the SWP position to address **water as one of the highest priorities** for the dispatch 2021 - 2024.



Arguments by SWP linked to the Dispatch on Switzerland's International Cooperation 2021–2024

SWP urges that water becomes a dedicated thematic priority as it is in line with the

3 criteria for the Swiss engagement in international development cooperation



through "Water for peace" by exporting a decentralized water management model to ensure better governance of public services.

3. Swiss interests

Water as priority in international cooperation is a Swiss interest:

- **3.1** It contributes to a more secure world and to ensure a sound natural resource management, which are elements described in the foreign policy strategy and are in line with the Swiss water and sanitation sector.
- **3.2** It supports to be aware and to import new **climate change mitigation strategies /solutions** from other countries for climate change adaptation.
- 3.3 It establishes stable climate change mitigation institutions with international partners to reduce green house gas emissions and the effects of climate change worldwide, including Switzerland.
- **3.4** It pushes for **efficient**, **long-term water resources management** globally to ensure economic growth through imports of water-intensive goods (Swiss water footprint).
- **3.5** It establishes a **stable institutional environment** to contributing to preventing massive migration by investing in sustainable municipal water and sanitation services.
- **3.6** It represents a **strong Swiss voice** in international fora through its four Swiss water networks.
- **3.7** It supports international activities of Swiss private sector, public and academic organisations with knowhow in the water sector (SWP represents many of those organisations).



Arguments by SWP linked to the Dispatch on Switzerland's International Cooperation 2021–2024

SWP demands to include SDG 6 in sub-goals 1.1, 1.2, 3.2, 4.1, 4.2, 4.3 in the dispatch as it is central to reach all 4 Swiss Development Goals:

O1 Economic development: Contribute to se	ustainable economic growth, market	O4 Peace and Governance:	Promote peace, the rule of law	and gender equality
 creation and employment creation The foundation for a stable economic devel including water Water is a major driver to create employment 		only improvement fo Water is an instrume conflicts in transbour	afely managed drinking water and s r some people but for all) nt and a strategic important resour ndary issues d hygiene plays a key role in gender	ce for peace and to reduce
O1.1. Improve framework conditions for market access and create economic opportunities SDG 6	O1.2. Promote innovative initiatives by the private sector to facilitate the creation of decent jobs SDG 6	O4.1. Preventing conflicts, promoting peace, respect for international law SDG 6	O4.2. Strengthen and promote human rights and gender equality SDG 6	O4.3. Good governance, promote the rule of law SDG 6
 1.1.1. Water is an essential resource for economic stability (e.g. energy, hydropower) and governance (e.g. legitimacy by population, governance through Integrated Water Resource Management). 1.1.2. Access to resources like water is a precondition for water-dependent private sector initiatives and investments. 1.1.3. Holistic water management supports to increase resilience to climate change for economic activities, especially for agricultural production, which is a key sector in many development and transition countries. 1.1.4. The water use along value chains of goods that serve Switzerland with water-intensive goods (Swiss water footprint) needs to be optimized through improving economic framework conditions for mutual benefits for all actors (producers, consumers) and the environment. 1.1.5. The water sector accelerates sustainable access to safe water and sanitation by involving the private 1.1.6. The Swiss water sector at the global level and along the value chain, but also locally by developing new types of decentralized business models and by promoting social entrepreneurship in collaboration with local autorities. 1.1.7. The Swiss water ecosystem has further the capacity and reputation of advancing technology and innovation that helps to develop efficient solutions and fosters local production and job creation while advancing SDG 6. 	 1.2.1. For implementing solutions, the water sector engages strongly with the private sector and relies on private financing and innovation potential. The cooperation with the private sector unfolds the economic sustainability of the water sector's engagements. Private actors are not just users, but take responsibility in this cooperation for the social, economic and environmental systems in which they operate. 1.2.2. The cooperation with Swiss companies (and academia) is needed to integrate more systematically their expertise and their know-how (e.g. on how to extract energy and fertilizers from wastewater) into the projects of United Nations agencies and Swiss cooperation. 1.2.3. By creating networks of young water professionals, supporting their existing structures and improving their skills, the Swiss international water cooperation is attracting young talents in the water sector and is supporting to create a stimulating environment in which they can thrive, stay in the industry and become future agents of change. 1.2.4. Water is a major driver of employment. The development of innovative initiatives by the water and sanitation sector provides essential employment in development and transition countries with the goal that 1 million professionals additional per year need to be trained to connect 3.5 billion people to a working water and sanitation system by 2030, which means to connect 70000 people per day. 1.2.5. The Swiss training model of a "dual vocational training", which combines academic with professional training, allows the development of this sector. Vocational training programs need to be oriented towards local professionals that will build and operate the infrastructure of tomorrow, such as drillers, masons, plumbers, electricians, laboratory technicians and engineers. 1.2.6. Innovative financial mechanisms are as crucial for the water sector as for other sectors. As an example, SWP has developed an innovative blended finance mechanism that al	 3.1.1. Hydrodiplomacy (e.g. through the Blue Peace movement) and Integrated Water Resource Management in all regions are key to prevent conflicts on water (e.g. transboundary issues). 3.1.2. Switzerland is a recognized global neutral leader in the water sector. This positions Switzerland optimally to bring other actors together: this strong "Convening Power" is used as a role model in the field of hydrodiplomacy. It combines the creation of favorable framework conditions for political dialogue in water resource management with projects on data and knowledge management. 3.1.3. As the Depositary State of the Geneva Conventions, Switzerland needs to commit itself to ensuring that the fundamentally civilian character is recognised and that water and sanitation infrastructure is better protected in conflicts. 3.1.4. Switzerland needs to emage in fragile contexts by combining investment in infrastructure with a contribution to more inclusive governance. 	3.2.1. Access to safely managed water and sanitation services is a human right. Switzerland is one of the world's pioneers in the field of human rights to water and sanitary facilities: our persistence to discuss, develop and defend the law and its application at the international level and in Switzerland was the key to progress. 3.2.2. Water, sanitation and hygiene plays a key role in gender and intergenerational equality (e.g. menstrual hygiene management, reduction of water carrying by women and children	 3.3.1. Switzerland's implementation of the 2030 Agenda has a strong governance component, including ensuring institutional and policy coherence for the water sector. Switzerland communicates globally its know- how in water both in technical as well as political terms. 3.3.2. Engagement in hydrodiplomacy worldwide (e.g. through the Swiss Blue Peace movement) needs to be continued and systematically integrated into Swiss foreign policy. 3.3.3. Good governance is a major component of successful Integrated Water Resource Management in all regions. 3.3.4. Based on its national experience with managing water resources (50% comes from groundwater), Switzerland should also commit itself to a more systematic integration of groundwater into discussions on the governance and management of transboundary basins. 3.3.5. Switzerland should foresee the upcoming water resources considering the new paradigms of climate extremes (floods, drought, etc.). This implies a change of mindset, considering rainwater harvesting and stormwater management as part of a solid water efficiency strategy.



Arguments by SWP linked to the Dispatch on Switzerland's International Cooperation 2021–2024

SWP reaffirms the importance of water for objective 1 and 3 as water is central for reaching all 4 Development Goals:

O2 Environmental development: Comba manage natural resources in a sustainab		O3 Human development: Savin forced and irregular migration	ng lives, providing quality basic se	ervices, reducing the causes of
 Water is a main factor of causes and conse Holistic water management is essential for change Sustainable water resource management is biodiversity 	adaptation and mitigation strategies to climate	 Lack of access to WASH servic A large effort to achieve safely 	ved health, food security and to reduce disa es is a root cause for migration y managed drinking water, sanitation and hy access to safely managed WASH services (JN	vgiene globally still needs to be made as
O2.1. Combat climate change and its effects	O2.2. Ensure sustainable management of resources	O3.1. Providing emergency aid and protecting the civilian population	O3.2. Disaster Risk Reduction, reconstruction, rehabilitation SDG 6	O3.3. Strengthening equal access to improved basic services
 2.1.1. SWP welcomes the environmental dimension highlighted in the message 2020 - 2024. We encourage the parliament to set ambitious but achievable mitigation measures in relation to global warming, which particularly affects water resources. 2.1.2. In order to benefit from the know-how developed in other countries, Switzerland needs to participate in or initiate, as appropriate, applied (research) programmes on the active management of aquifers with countries particularly affected by climate change. 2.1.3. Through water (too much, too little, too late, too early) climate change is affecting water and food security of the most vulnerable population, and puts them at greater risk of falling back into poverty. 2.1.4. Switzerland needs to insist on the need to address the water cycle in its entirety in international fora. Visibility on the impact of glacier loss on river regimes due to climate change is limited and international collaboration on this theme is urgently recommended. 	 2.2.1. Targeting the global water crisis requires systemic change towards sustainable management of water resource as well as a change of paradigm where groundwater resources are being more and more polluted and depleted. The concept of nonrenewable water should be introduced. At the same time, cooperation with all stakeholders, including the private sector, is important and necessary for achieving this change. 2.2.1. To guarantee water and food security of the most vulnerable people, Swiss experience on climate (services), water resource management, resilient agriculture and stainable Natural Resource Management needs to be shared and applied globally. 2.2.3. Nature-based solutions, healthy ecosystems and Disaster Risk Reduction are key ingredients for Natural Resource Management and climate change adaptation. 2.2.4. Switzerland is seen as the water tower of Europe should be ahead of the recent developments regarding the efficient use of precipitations as rainwater harvesting, storm water management while promoting more respectful ways such as Nature-based solutions. 2.2.5. Given that at least half of the world's population relies on groundwater as main source of drinking water, Switzerland can offer its experience in groundwater drilling and monitoring. The FOEN and the cantons have set up a national monitoring network that could serve as a model for other countries. 	3.1.1. Swiss cooperation should better integrate the instruments of global cooperation, development cooperation and humanitarian aid, particularly in the water and sanitation sector, which has many potential synergies that could be better exploited	3.2.1. Integrated Water Resource Management (IWRM) and Disaster Risk Reduction standards for water infrastructure are key to prevent and cope with water-related disasters (flooding, drought, etc.). 3.2.2. To manage the disaster risk reduction and coping strategies, digitisation of infrastructure is necessary (for example for early warning systems) and needs to be integrated into reconstruction and rehabilitation of infrastructure. For preventing disaster, Switzerland needs to continue to promote innovative solutions for disaster risk reduction already in development projects (for example through multi-stakeholder IWRM approaches or by proposing innovative mechanisms for collaboration with the private sector).	 3.3.1. Unequal access to water and sanitation services is a root cause for migration. Improving basic water services and promoting rural development to reduce inequalities that lead to migration must be a priority under this objective, to be in line with the guiding principle of the 2030 Agenda "Leave no one behind". Especially, low living standard in rural areas, including the lack of access to water and sanitation services, contributes to migration from rural to urban areas: In 2017 "eight out of ten people still lacking even basic services lived in rural areas. Nearly half lived in Least Developed Countries" (World Bank). 3.3.2. Increasing sustainable access and quality services by scaling up proven approaches, technologies and investment mechanism is still key to reach SDG 6. 3.3.3. To provide an improved access to basic water provision at high quality, Switzerland needs to invest heavily in the use of renewable energy in water and sanitation infrastructure that reduces the carbon footprint while increasing the independence and resilience of such systems. Moreover, it needs to contribute to the transition to automated network management systems, which often allow more efficient use, even for basic water supply systems or waste water treatment plants. 3.3.4. Increased urbanisation could benefit from Swiss expertise on urban sanitation and waste water treatment.



Annex I: List of endorsing organisations (Name, position, profession and e-mail address have been made anonymous for online publication)

	Organisation	Name	Position at Organisation	Profession/ highest degree of education	Country	Email Address	Swiss cooper- ation*	Water sector**	SWP mem- ber***
1	1001fontaines Suisse				СН		Yes	Yes	No
2	Access to water				СН		Yes	Yes	Yes
3	AFVMC Assistance to Families and Victims of Clandestine Migrations				Cameroon		No	Yes	No
4	Agence PRIDAM sprl				Belgium		No	Yes	No
5	Aqua-4D Water Solutions				СН		Yes	Yes	Yes
6	Autark Engineering AG				СН		Yes	Yes	Yes
7	Banka BioLoo				India		No	Yes	No
8	Batwa Rock and cave				Uganda		No	Yes	No
9	Center for Watershed				Afgha- nistan		No	Yes	No
10	Centre for Development and Cooperation SUPSI				СН		Yes	Yes	Yes
11	cewas				СН		Yes	Yes	Yes
12	CSD Group				СН		Yes	Yes	Yes
13	Daniel Iroegbu Global Health Foundation				Nigeria		No	Yes	No
14	Dropstone sarl				СН		Yes	Yes	No
15	Eawag				СН		Yes	Yes	Yes
16	ECOPSIS				СН		Yes	Yes	Yes
17	Engineers Without Borders Sierra Leone				Sierra Leone		No	Yes	No

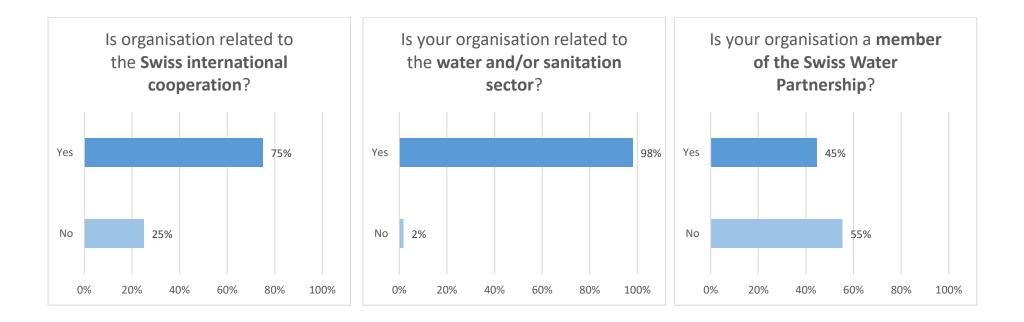
					PARTNE	RSHIP
	European Water		Nether-	No	Yes	No
18	Stewardship		lands			
19	Geneva Water		CH	Yes	Yes	No
20	Geneva Water Hub		СН	Yes	Yes	Yes
21	H2O Energies		СН	Yes	Yes	No
22	HELVETAS		СН	Yes	Yes	Yes
23	HOLINGER AG		СН	Yes	Yes	Yes
24	HSR University of Applied Sciences Rapperswil		СН	Yes	Yes	No
25	Institute for Ecopreneurship IEC, School of Life Sciences HLS, University of Applied Sciences and Arts Northwestern Switzerland FHNW		СН	Yes	Yes	Yes
26	International Rainwater Harvesting Alliance		СН	Yes	Yes	Yes
27	International Secretariat for Water		Canada	Yes	Yes	No
28	Land and Water Bolivia Ltda		Bolivia	No	Yes	No
29	Livinguard Technologies		СН	Yes	Yes	Yes
30	Mwenya		Zambia	No	Yes	No
31	My Imperative Actions		Burundi	No	Yes	No
32	Odermatt & Brockmann Earth Observation		СН	Yes	Yes	Yes
33	Office fédéral de sécurité alimentaire		СН	No	Yes	Yes

SWISS WATER

					S WATER NERSHIP
	et des affaires vétérinaires OSAV				
34	SDW	Brazil	Yes	Yes	No
35	Skat Consulting AG	СН	Yes	Yes	Yes
36	Skat Foundation	СН	Yes	Yes	Yes
37	Slum life survival (SLS)	Uganda	Yes	Yes	No
38	Solidar Suisse	СН	Yes	Yes	No
39	Soutien Sans Frontières	СН	Yes	Yes	Yes
40	Services industriels de Genève	СН	Yes	Yes	Yes
41	Swiss Hydrogeological Society	СН	Yes	Yes	Yes
42	Swiss Institute for Speleology and Karst Studies	СН	Yes	Yes	Yes
43	Swiss NGO DRR Platform	СН	Yes	No	No
44	Swiss Toilet Organisation	СН	Yes	Yes	Yes
45	Swiss Water Partnership	СН	Yes	Yes	Yes
46	SWISSAID	СН	Yes	Yes	No
47	TAM Ceramics LLC of NY USA	USA	Yes	Yes	No
48	Terre des hommes	СН	Yes	Yes	Yes
49	The Darklands Foundation	France	No	Yes	No
50	Vivamos Mejor	СН	Yes	Yes	No
51	Water Access Consulting	Uganda	Yes	Yes	No
52	Water Integrity Network e.V.	Germany	Yes	Yes	No

					SWISS W PARTNE	
53	WaterLex		СН	Yes	Yes	Yes
54	Waterpreneurs		СН	Yes	Yes	Yes
55	Young Water Solutions		Belgium	Yes	Yes	No
56	Association pour la Sauvegarde du Léman****		СН	No	Yes	No

* Is your organisation related to the Swiss international cooperation? - ** Is your organisation related to the water and/or sanitation sector? - *** Is your organisation a member of the Swiss Water Partnership? **** Organisation endorses position paper to some part with the comment « la croissance économique n'est par nature pas durable puisque les ressources planétaires sont limitées »





Annex II: List of endorsing individuals (Name, position, profession and e-mail address have been made partly anonymous for online publication)

	Name	Organisation/ Independent	Position/ expertise	Profession/ highest degree of education	Country	Canton/ Province	Email Address	Swiss coope- ration *	Water sector* *
1		WaterAld India	Head of Programmes		India			Yes	Yes
2	Adatte Patrick	Corps suisse d'aide humanitaire	Expert WASH		СН	Berne		Yes	Yes
3	Adegbite Afeez Ayoade	Department of Water and Sanitation Technology, Ogun State College of Health Technology, Ilese Ijebu	Head of Department		Nigeria			No	Yes
4	Agnes Montangero	Helvetas	WASH Advisor		СН	Aargau		Yes	Yes
5		Strategos			СН	Vaud		Yes	Yes
6	Aliocha Salagnac	Swiss Development Cooperation			СН	Vaud		Yes	Yes
7	Alpha Ntayomba	Population and Development Society	Chairperson		Tanzania			No	Yes
8		DiPure			India			Yes	Yes
9	Amos Seidu	centre for Rural Improvement Services	Executive Director		Ghana			Yes	Yes
10		SVGW			СН	ZH		Yes	Yes
11		Indipendente			СН	Ticino		No	No
12		Independent			СН	Bern		Yes	Yes
13	Angeles Mendoza Sammet	IHE Delft			Netherlands			No	Yes

							SWISS W
14	Anil Dutt Vyas	Manipal University Jaipur,India	Professor & WASH Specialist	India		No	Yes
15		rovina+partner / sdc-sha	geologist	СН	VS	Yes	Yes
16	Anna Luísa Beserra Santos	SDW		Brazil		Yes	Yes
17	Antonella	Young Water Solutions	Director	Belgium		Yes	Yes
18	ATAHIROU KARBO	MINISTERE DE L'HYDRAULIQUE ET DE L'ASSAINISSEMENT	SECRETAIRE GENERAL	NIGER		Yes	Yes
19	Babu	NALAN	CEO	India		Yes	Yes
20	Barbara Schreiner	Water Integrity Network	Executive Director	Germany		Yes	Yes
21		Mr.		Козоvо		Yes	Yes
22	Benson kandeh	Information for all (IFA) Sierra Leone	WASH Engineer	Sierra Leone		Yes	Yes
23	Beris Gwynne	Incitare	Founder/MD	СН	VD	Yes	Yes
24	Bernita Doornbos	HELVETAS		СН	NE	Yes	Yes
25	Bertha Camacho	Skat Foundation	Knowledge Management Specialist	СН	AR	Yes	Yes
26	BNEIJARA	ONG ADIG	Directeur	Mauritanie		Yes	Yes
27		University of Geneva	Professor	СН	Geneva	Yes	Yes
28	Bonaventure	Agence PRIDAM sprl	CEO	Belgium		No	Yes
29		Swiss Centre for Scientific Research	Associate Researcher	 Côte d'Ivoire		Yes	Yes
30	Caroline Pellaton	Geneva Water Hub	Corporate operations administrator	СН	Geneva	Yes	Yes

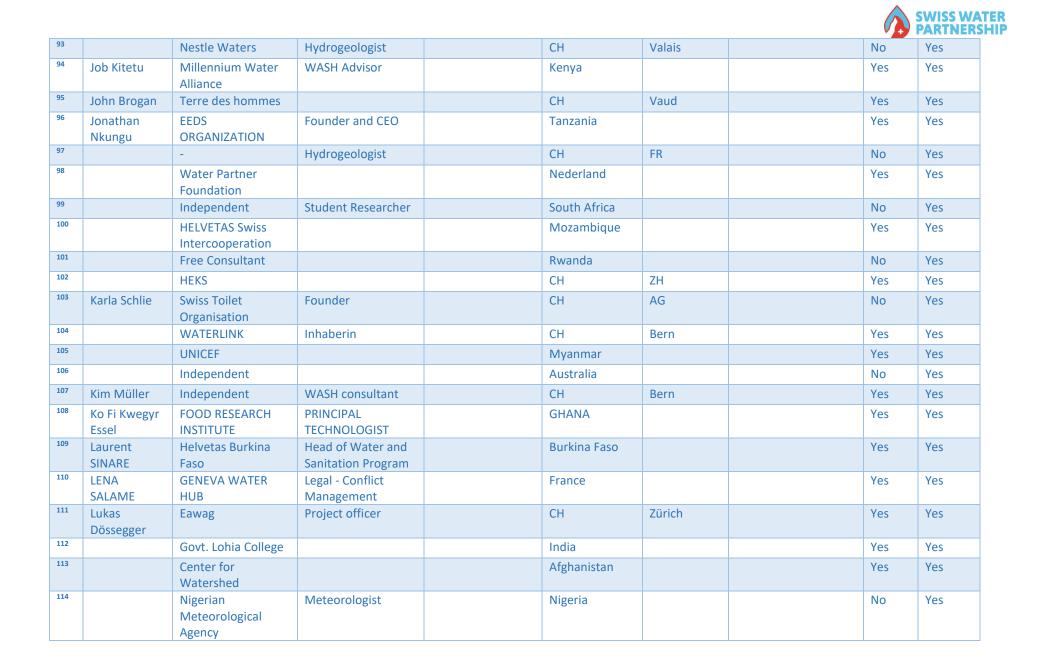


							PANINENJ
31	Celia Schmidt	seecon		Germany		Yes	Yes
32		IHE Delft		Netherlands		Yes	Yes
33	Charisma Acey	University of California, Berkeley		USA		No	Yes
34	Charles Armah	Toi et Moi Foundation	Programs Manager	Ghana		No	Yes
35	Charles Hemba	JEDACH Development Partners	Managing Partner	Nigeria		No	Yes
36	Christian Bréthaut	Geneva Water Hub / University of Geneva	Assistant Professor	СН	Geneva	Yes	Yes
37	Christian Toe Smith	Action Against Hunger	WASH Programs Manager	Liberia		Yes	Yes
38		Independent		СН	Vaud	Yes	Yes
39	Christoph Studer	BFH-HAFL	Prof. of Natural Resources Management	СН	SZ	Yes	Yes
40		Retired./ Liberia Water & Sewer Corp		Libera		No	Yes
41	Claudia Friedl	Natume		СН	St. Gallen	Yes	Yes
42		seecon gmbh		СН	BE	Yes	Yes
43		Independent		СН	Geneva	No	No
44	Daniel Ifegwu Iroegbu	Daniel Iroegbu Global Health Foundation	Executive Director	Nigeria		No	Yes
45		Institute of Environmental Engineering, ETH Zurich	Coordinator MAS in Sustainable Water Resources	СН	Zurich	Yes	Yes
46	Daud Hamidi	Center for Watershed	Founder	СН	Berne	Yes	Yes
47		Helvetas		СН	Genève	No	Yes
48		SIG		СН	Geneva	Yes	Yes

								SWISS WA
49	Denis Lanzanova	Geneva Water Hub (Univ. of Geneva)	Water economist	Tanza	nia	Y	/es	Yes
50	Donald Kasongi	Governance Links	Director	СН	Zurich	Y	/es	Yes
51	Donato Patrissi	SUPSI	WASH coordinator	СН	ZH	Y	(es	Yes
52	Dr Christoph Lüthi	Eawag	Head of Department	India		Ν	No	Yes
53	Dr Devinder Kumar Chadha	Global Hydrogeological Solutions	President	Rwan	da	Y	/es	Yes
54		The UN Refugee Agency (UNHCR)		UK		Ν	No	Yes
55	Dr. Satya Prakash Mehra	Rajputana Society of Natural History	Advisor	India		Ν	No	Yes
56		Independent		US		N	٥٧	Yes
57		Independant	Corporate Water Stewardship Manager	СН	VAUD	Y	(es	Yes
58		milnes&more experts Sàrl		СН	NE	Y	/es	Yes
59	Emmanuel Oertlé	Institute for Ecopreneurship IEC, School of Life Sciences HLS, University of Applied Sciences and Arts Northwestern Switzerland FHNW	Research Associate	СН	Basel- Landschaft		/es	Yes
60		Ministry of Water and Environment		Ugan	da	Ν	No	Yes
61	Enock	4africa	Hydrogeologist	Ugan	da	N	١o	Yes
62	Eric Plan	CleantechAlps	Secretary General	СН	Valais	Y	/es	Yes

							SWISS W/ PARTNER
63		ICRC / Independent / Retired	Wash expert	Thailand		Yes	Yes
64		SUPSI	Economist	СН	Ticino	Yes	Yes
65	Florian Klingel	Skat Consulting AG	Deputy CEO	СН	St. Gallen	Yes	Yes
66	François Münger	Geneva Water Hub	General Director	СН	Vaud	Yes	Yes
67		Caritas Switzerland	Senior WASH advisor	СН	Bern	Yes	Yes
68		SDC/HA		СН	Bern	Yes	Yes
69	GABRIEL TRIPURA	KOTHOWAIN (vulnerable peoples development organization)	Executive Director	BANGLADESH		Yes	Yes
70		AfU, Kanton Solothurn / SKH	Wissenschaftl. Mitarbeiterin	СН	Solothurn	Yes	Yes
71		Independent		Ch	Vd	Yes	Yes
72	Gerard Luyet	IWA-Switzerland	Chairman	СН	Geneva	Yes	Yes
73	Gianluca Guidotti	SDC / Independent	Environmental Engineer	СН	Ticino	Yes	Yes
74		SDC/Humanitarian Aid		СН	Bern	Yes	Yes
75		ULB		Belgium		No	Yes
76		Swiss Tropical and Public Health Institute	Head of Unit/water, sanitation, hygiene, climate change, public and environmental health	СН	Basel	Yes	Yes
77		SHA		СН	Zh	Yes	Yes
78	Hajji Sulaiman Walugendo Kyesa	Uganda Muslim Rural Development Association (UMURDA)	National Coordinator	Uganda		Yes	Yes

							SWISS W
79	Hannah Wuzél	cewas Middle East		СН	Lucerne	Yes	Yes
80		Engineer		СН	Geneva	Yes	Yes
81		University of St. Gallen		СН	AR	Yes	No
82		As an individual freelancer individual named Hitesh BHATT-india		India		No	Yes
83		National Water and wastewater engineering company of Iran		Iran		No	Yes
84		Khairpur Rural Development Organization (KRDO)		Pakistan		No	Yes
85	Jacob Amengor	iWASH Africa	Chief Coordinator	Ghana		Yes	Yes
86		RWMC	Manager Operations	Pakistan		No	Yes
87	James S. Roberts	Global Call to Action against Poverty, GCAP Liberia National Coalition	National Coordinator	Liberia		Yes	Yes
88	Jay Matta	UNHCR/SHA	Hydrogeologist	СН	Zürich	Yes	Yes
89		Water Resources Dir./Ministry of Environment		D R CONGO		Yes	Yes
90	Jean Willemin	Geneva Water Hub	Senior Project Officer	СН	Geneva	Yes	Yes
91		Mulonga Water Supply and Sanitation Comapany limited		Zambia		No	Yes
92	Jeremiah Mutemi	M-Water Solutions	Founder & CEO	Kenya		Yes	Yes





							AULIGENS
115		-		СН	Zurich	Yes	Yes
116		SKH		СН	Zürich	Yes	Yes
117		Cors suisse d'aide humanitaire	Chef du groupe WASH du CSA	СН	Bern	Yes	Yes
118		Independent		СН	ZH	Yes	Yes
119	Maria Isabel Amorin Cabrera	CrustaTec	CEO & Founder/ biotechnology for wastewater treatment	Guatemala		Yes	Yes
120	Martin Ede	Land and Water Bolivia Ltda	Director	Bolivia		Yes	Yes
121	Meleesa Naughton	Skat		СН	Basel	Yes	Yes
122	Michael	cewas	Co-director	СН	Bern	Yes	Yes
123	Michael Oswell	Proteus Instruments	Sales Director	United Kingdom		No	Yes
124		MANDO		Kenya		Yes	Yes
125		Les >Services Industriels de Genève	manager	СН	Geneva	Yes	Yes
126	Miriam Joshua	University of Malawi	Senior Lecturer	Malawi		Yes	Yes
127	Mohamed Khalil	Engineers Without Borders Sierra Leone	Director of Programmes	Sierra Leone		No	Yes
128		AJDM		Mauritania		Yes	Yes
129	Mohammad Nazmul Hasan Chowdhury	LGED	Executive Engineer	Bangladesh		Yes	Yes
130	MOSES CHONGO	Plumbers Association of Zambia	President	Zambia		Yes	Yes

							SWISS W
131	Moshood N. TIJANI	Dept. Of Geology, University of Ibadan, Ibadan	Professor of Hydrogeology	Nigeris		Yes	Yes
132	Murray Burt	UNHCR		СН	Geneva	Yes	Yes
133		Autark Engineering AG		СН	Vaud	No	Yes
134		Independent		СН	Glarus	Yes	Yes
135		Geneva Water Hub/ university of Geneva		СН	Geneva	Yes	Yes
136		Independent		Indonesia		Yes	Yes
137		Board Member of Skat		СН	SH	N/A	Yes
138	OGWAL Harold	Pan African University Institute of Water and Energy Sciences	Environment and Water Resources Management	Uganda		No	Yes
139	Okeugo Samuel chidiebere	Organization	Territory sales manager	Nigeria		No	No
140		Independent		Nigeria		Yes	Yes
141	Olga Darazs	CSD Group / Swiss Water Partnership	President of the advisory board / Chair	СН	Fribourg	Yes	Yes
142		Geneva Water Hub & Geneva Academy		СН	Geneva	Yes	Yes
143		ETH Zurich		СН	Zurich	No	No
144		ACROM GmbH		СН	Thurgau	No	No
145		PHE Consulting	Independent expert	СН	VD	Yes	Yes
146	Pascal Vinard	Geospace Experts LLC	General Manager	СН	Fribourg	Yes	Yes
147	Patrick D'Aoust	Independent	WASH expert	СН	Valais	Yes	Yes
148		GIZ GmbH		Nigeria		No	Yes

								SWISS WA
149	Peter Koenig	SDC consultant	water resources economist	СН	VD	Ye	25	Yes
150		Independent		СН	Valais	No	0	No
151		TU Dortmund University	Researcher	Germany		Ye	25	Yes
152		Independent		СН	Bern	No	0	No
153		Swiss Engineering		СН	Fribourg	No	0	No
154		Independent		СН		Ye	es	Yes
155	Raffael Kaenzig	Phoster GmbH		СН	Luzern	Ye	es	Yes
156		Member SHA of SDC		СН	BL	Ye	25	Yes
157		Independent		Madagascar		No	0	Yes
158		Antenna Foundation		СН	Geneva	Ye	25	Yes
159	Regula Meierhofer	Eawag	Group Leader	СН	Zürich	Ye	25	Yes
160	Renaud de Watteville	Access to water foundation	Water	СН	Vaud	Ye	25	Yes
161	Reto Bühler	EBP Schweiz AG	Head of Water Supply and Sanitation	СН	Zurich	Ye	25	Yes
162	Reto Wey	DEZA	Catalytic Finance	СН	BL	Ye	es	Yes
163	Robert Rohrbach	H2O Energies	Président	СН	Geneva	Ye	es	Yes
164	Roger Schmid	Skat Consulting Ltd.	Water & Environmental Sanitation Specialist	СН	SG	Ye	25	Yes
165		Independent		СН	Fribourg	Ye	es	Yes
166	Sandra Fürst	Skat Consulting	Water and Sanitation Specialist	СН	Sankt Gallen	Ye	es	Yes
167	Sarah Dousse	International Secretariat for Water	Executive Director	Canada		Ye	es	Yes
168		Skat		СН	St. Gallen	Ye	es	Yes

							SWISS WA
169		Young Water Solutions	Fellow	Nigeria		Yes	Yes
170		UEFS		Brasil		No	Yes
171		seecon gmbh	Project Manaher	СН	Bern	Yes	Yes
172		Independent		UK		No	Yes
173	Solomon Agunisiriza	National water and sewerage corporation uganda	Engineer	Uganda		Yes	Yes
174		HELVETAS Swiss Intercooperation		СН	Bern	Yes	Yes
175	Soraya Kohler	Swiss Water Partnership	Coordinator	СН	Zurich	Yes	Yes
176		Independent		Mombasa		Yes	Yes
177	Stephin Rafiq	USWS-PK	Extive Detector	Pakistan		Yes	Yes
178	Stuart Vallis	SKH/SDC		СН	Basel land	Yes	Yes
179		Swiss federal office of food safety and veterinary affairs	Drinking Water Regulator	СН	Bern	Yes	Yes
180	Sylvestre	International Rainwater Harvesting Alliance	Director	СН	Geneva	Yes	Yes
181		Independent		СН	ZH	No	No
182	Tafara	Divine Foundation Trust		Zimbabwe		Yes	Yes
183	Tandiwe Erlmann	cewas	Senior Project Manager	СН	Bern	Yes	Yes
184	Tarik HASSAN	SDC	Water supply specialist	Ethiopia		N/A	Yes
185		independent		СН	Genève	Yes	Yes
186	Thierry BROGLIE	Viteos SA + member of of SHA	Water Projects Engineer	СН	NE	Yes	Yes
187		Independient		Philippines		Yes	Yes

							SWISS W
188	Timothy Kpeh	Liberia Civil Society Organizations WASH Network	Chairman	СН	Vaud	Yes	Yes
189	Tom Roberts	independent	consultant	Liberia		Yes	Yes
190		-		canada		No	Yes
191	Toussaint GOUWANOU	Youth Club Youth of Benin	Organisateur	Netherlands		No	Yes
192	Urs Karl Egger	Chelona GmbH	Director & Owner	Bénin		No	Yes
193	Violette Ruppanner	Strategos SA		СН	St. Gallen	Yes	Yes
194		Independent		СН	Vaud	Yes	Yes
195		AFVMC Assistance to Families and Victims of Clandestine Migrations		Canada		Yes	Yes
196	Wesley L Meier	EOS International	CEO	Cameroon		No	Yes
197	Yamileth Astorga	Costa Rican Institute for Water Supply and Sanitation	Executive President	United States		No	Yes
198		independent	Project manager	Costa Rica		No	Yes
199		Independent	WAsh Specialist	Ethiopia		No	Yes
200	***	DACAAR		 Afghanistan		 Yes	Yes
201	****	Independant, UNIGE		СН	Geneva	No	Yes

* Is your organisation related to the Swiss international cooperation? - ** Is your organisation related to the water and/or sanitation sector? - *** Is your organisation a member of the Swiss Water Partnership?

**** Person endorses position paper, except "page 6: 3. Water is a priority topic for all focus regions"

***** Person endorses position paper, except « Objectif no. 1 : la croissance économique n'est par nature pas durable puisque les ressources planétaires sont limitées »



