



## **Looking back at the Belgian development cooperation in the water sector in the State of Palestine over the past 10 years**

Last update: August 2020

### **Status of SDG6**

A few charts on the status of water resources and on SDG6 in the State of Palestine are in Figure 1 to Figure 4. More detailed and updated information can be found on the [State of Palestine's country snapshot](#) provided in the [UN-Water SDG6 data portal](#).

### **Belgian and international ODA to water sector**

Based on the database reporting the Belgian ODA, 6.396.424 EUR have been allocated to the water sector in the State of Palestine between 2008 and 2019, which corresponds to 1% of the total Belgian ODA to water sector through bilateral aids (Figure 5), and to 2% of the total Belgian ODA to the country (Figure 6). Main contractors have been the Worldbank group and Enabel (Figure 7). Projects and programs have mainly been implemented in basic and large water infrastructures and agricultural water. The list of water program and projects are in Table 2. According to OECD's Credit Reporting System, DAC countries giving more than 1million US\$ to the State of Palestine for the Water and Sanitation sector between 2014 and 2018 are the United States (200M US\$), Germany (94M US\$), France (41M US\$), Netherlands (29M US\$), Japan (18M US\$), Finland (7M US\$), Austria (6M US\$), Sweden (4M US\$), Belgium (3M US\$), Austria (2M US\$), Spain (2M US\$) and Norway (2M US\$) (Table 1).

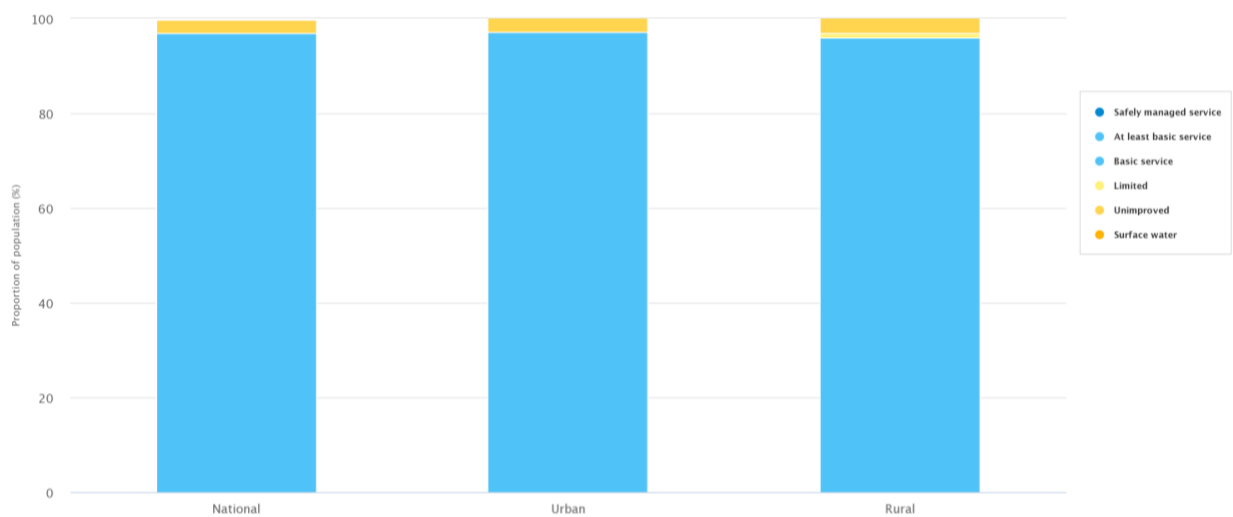
### **Belgian organisations with projects in State of Palestine over the course of the past 10 years**

Six Belgian organisations having expertise in water have reported having been active in the State of Palestine between 2010 and 2019 (Table 3). Three are NGOs, one is NPO or fourth pillar, one is a public agency and one is a public utility.

### **Academic water research in the State of Palestine over the course of the past 10 years**

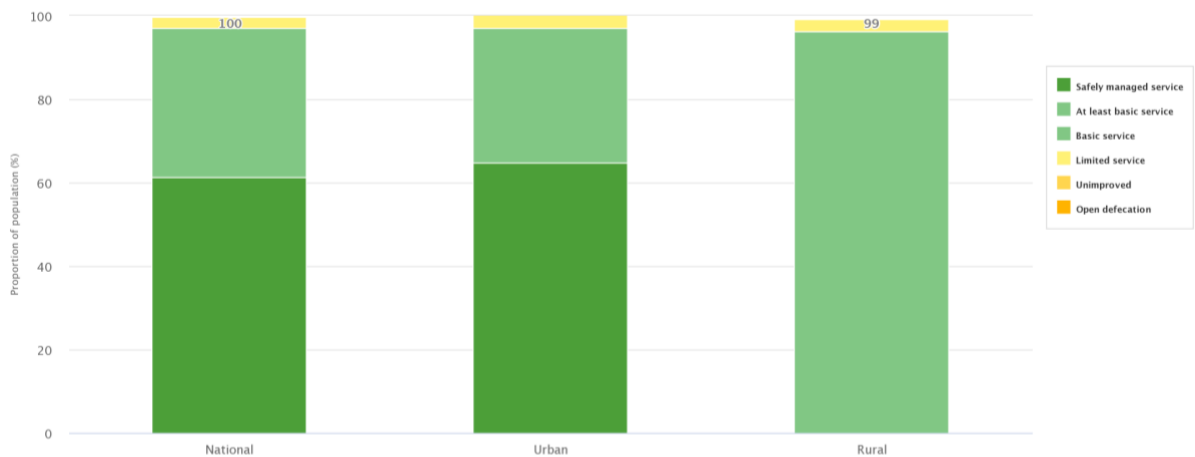
Three peer-reviewed papers have been published by research team including authors from Belgium and the State of Palestine. Research domains are in the field of climate change and threat for water use, groundwater modeling and antioxidant capacity of water (Table 4).

**Figure 1. Proportion of population using drinking water services in the State of Palestine, by service level and by location (SDG6.1.1, 2017).**



Data source: WHO, UNICEF  
Exported from UN-Water <https://www.sdg6data.org> on 15 August 2020

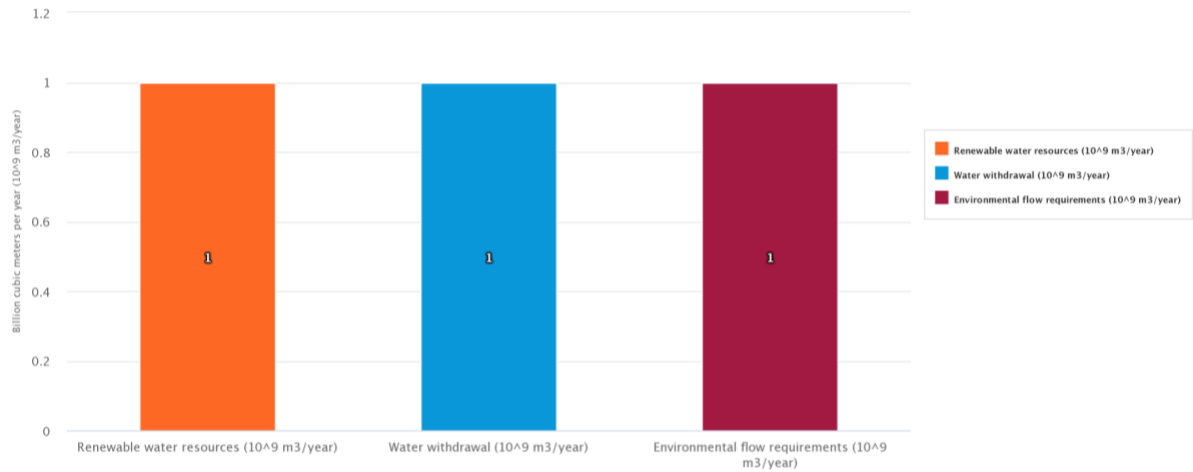
**Figure 2. Proportion of population using sanitation services in The State of Palestine, by service level and by location (SDG6.2.1a.; 2017).**



Data source: WHO, UNICEF  
Exported from UN-Water <https://www.sdg6data.org> on 15 August 2020

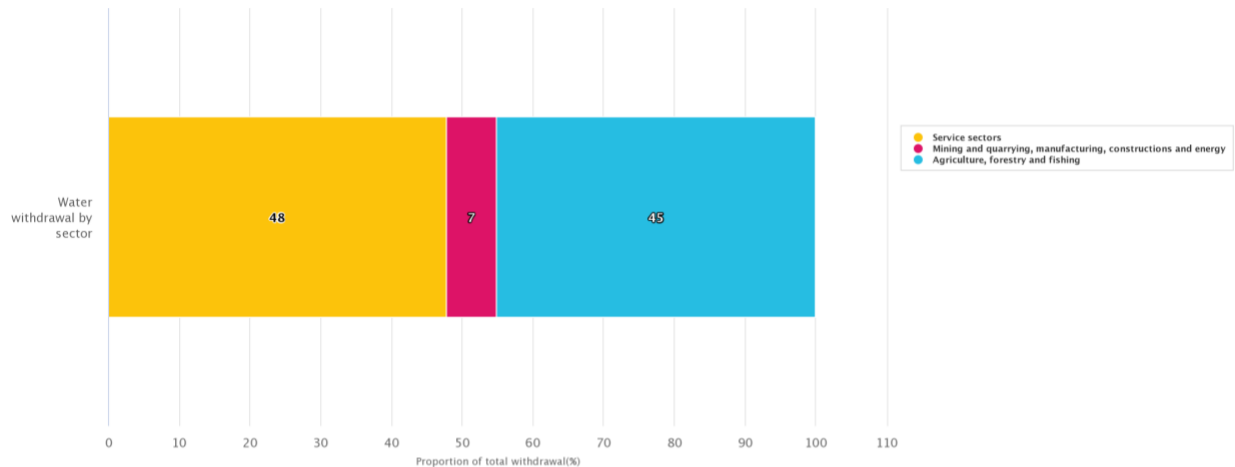
**Figure 3. Water resources and withdrawal in the State of Palestine, per capita and by source.**

- Long-term average annual precipitation in depth: 402 (mm/year) (2017)
- Renewable water resources: 170 m<sup>3</sup> per capita (2017)
- Water withdrawal: 74 m<sup>3</sup> per capita (2016)



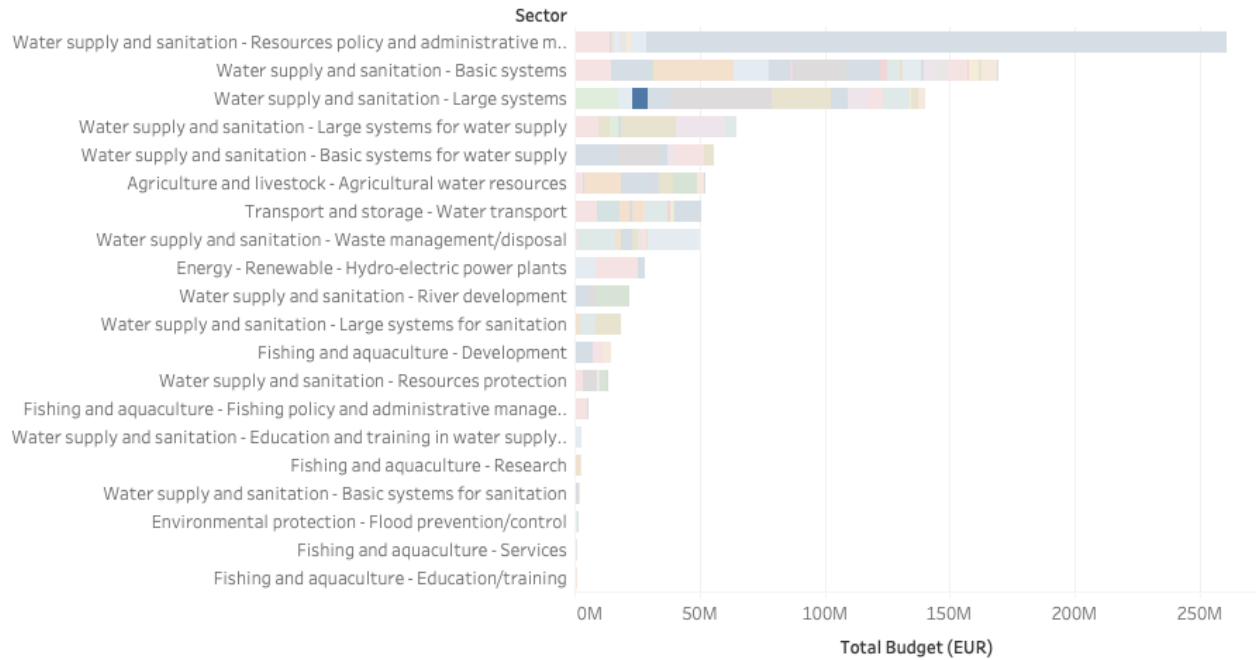
Data source: FAO  
Exported from UN-Water <https://www.sdg6data.org> on 15 August 2020

**Figure 4. Water withdrawal by sector in the State of Palestine, as a percentage of total water withdrawal (2005).**

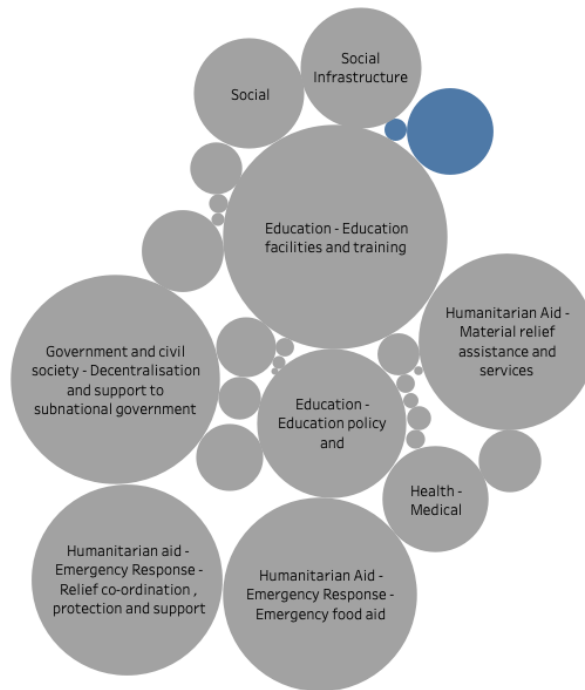


Data source: FAO  
Exported from UN-Water <https://www.sdg6data.org> on 15 August 2020

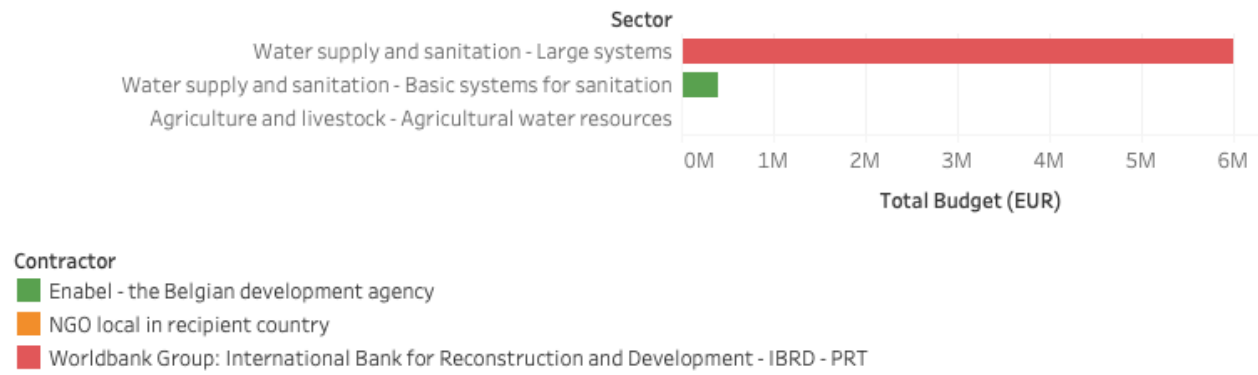
**Figure 5. Total Belgian ODA to water per sub-sectors, with the ODA to The State of Palestine highlighted in blue.**



**Figure 6. ODA to water (blue) in comparison to other sectors (grey) in the State of Palestine. The size of the circle is proportional to the budget.**



**Figure 7. Contractors per water sector**



**Table 1. ODA water supply and sanitation sector (ODA sector code 140) to the State of Palestine by DAC countries, cumulated between 2014 and 2018<sup>1</sup>.**

<b>DAC Countries</b>	<b>2014 - 2018 Commitment (Millions 2018 US\$)</b>
United States	\$ 200,37
Germany	\$ 93,90
France	\$ 41,27
Netherlands	\$ 28,97
Japan	\$ 18,34
Finland	\$ 7,23
Australia	\$ 5,90
Sweden	\$ 4,34
Belgium	\$ 2,51
Austria	\$ 2,41
Spain	\$ 1,80
Norway	\$ 1,65
Italy	\$ 1,42
Switzerland	\$ 1,15
Canada	\$ 1,04
Hungary	\$ 0,22
Poland	\$ 0,04

<sup>1</sup> Source: OECD Credit Reporting System. <https://stats.oecd.org/>. Accessed June 2020.

**Table 2. List of water projects funded by Belgian ODA.**

Typology: C01-Project-type interventions.

<b>Contractor</b>	<b>Type</b>	<b>Title</b>	<b>Effective Start Dt</b>	<b>Effective End Dt</b>	<b>Budget (EUR)</b>
Enabel - the Belgian development agency	C01	Lage kosten sanitatie technologieën	01-12-2004	31-12-2010	396424
NGO local in recipient country	C01	Beheer van water en milieu in landelijke gebieden		31-12-2008	
	C01	Beheer van water en milieu in landelijke gebieden van Palestina	01-01-2003	31-12-2004	
	C01	Beheer van water en milieu in landelijke gebieden		31-12-2009	
Worldbank Group: International Bank for Reconstruction and Development - IBRD - PRT	C01	Contribution au "North Gaza Emergency Sewage Treatment Project" NGEST	28-06-2014	30-06-2018	6000000

**Table 3. Belgian organizations in the water sector that reported having had projects in the State of Palestine over the course of the past 10 years.** Source: [Water Nexus database of water Actors](#). Might not be a comprehensive list.

Sector	Acronym	Name	Website	Keywords	Description
Government-recognised NGO	BRC	Belgian Red Cross	<a href="http://www.croix-rouge.be">www.croix-rouge.be</a>	Nutrition-Water	/
	CI.be	Caritas International	<a href="http://www.caritasinternationale.be">www.caritasinternationale.be</a>	Food Security-Agroecology-Livelihoods-Humanitarian Aids-Migration	La thématique principale de nos activités est "la sécurité alimentaire" (dans lequel s'intègrent différentes activités liées à l'eau) ou la réponse à des catastrophes.
	Oxfam Sol	Oxfam-solidarité	<a href="https://www.oxfamsol.be/">https://www.oxfamsol.be/</a>	Action against inequalities-Actions Humanitaires-Développement-Sensibilisation	Oxfam-solidarité mène des actions de plaidoyer pour un modèle agricole durable et pour la souveraineté alimentaire.
NPO or 4th pillar organisation	Viva Salud	Viva Salud (ex. G3W M3M)	<a href="http://www.g3w.be">www.g3w.be</a>	Healthcare- Rights- Alliances-Lobby	Fighting for the right to health and sovereign development.
Public agency	Enabel	Belgian Development Agency		/	/
Public utility / enterprise	VLIR-UOS	Vlaamse Interuniversitaire Raad - Universitaire Ontwikkelingssamenwerking	<a href="http://www.vliuos.be">www.vliuos.be</a>	Higher Education- Outreach	/



**Table 4. Peer-reviewed, academic publications on water co-published with researchers from Belgium and the State of Palestine between 2010 and 2019.** Belgian authors are in bold font.

<b>Authors</b>	<b>Belgian Insitutions</b>	<b>Title</b>	<b>Year</b>	<b>Journal</b>	<b>DOI</b>
Harb J., <b>Khraiwesh B.</b> , Streif J., Reski R., Frank W.	Department of Plant Systems Biology, Flanders Institute for Biotechnology (VIB), Ghent University, Gent.	Characterization of blueberry monodehydroascorbate reductase gene and changes in levels of ascorbic acid and the antioxidative capacity of water-soluble antioxidants upon storage of fruits under various conditions.	2010	Scientia Horticulturae	<a href="https://doi.org/10.1016/j.scienta.2010.04.031">https://doi.org/10.1016/j.scienta.2010.04.031</a>
Aish A.M., <b>Batelaan O.</b> , <b>De Smedt F.</b>	Department of Hydrology and Hydraulic Engineering, Vrije Universiteit Brussel, Brussels.	Distributed recharge estimation for groundwater modeling using wetpass model, case study - gaza strip, Palestine.	2010	Arabian Journal for Science and Engineering	<a href="https://doi.org/NA">https://doi.org/NA</a>
La Jeunesse I., Cirelli C., <b>Aubin D.</b> , Larrue C., <b>Sellami H.</b> , Afifi S., Bellin A., Benabdallah S., Bird D.N., Deidda R., Dettori M., Engin G., Herrmann F., Ludwig R., Mabrouk B., Majone B., Paniconi C., Soddu A.	*Université catholique de Louvain, Institut de sciences politiques Louvain-Europe, Louvain-la-Neuve.  *Université catholique de Louvain, Earth and Life Institute, Louvain-la-Neuve.	Is climate change a threat for water uses in the Mediterranean region? Results from a survey at local scale.	2016	Science of the Total Environment	<a href="https://doi.org/10.1016/j.scitotenv.2015.04.062">https://doi.org/10.1016/j.scitotenv.2015.04.062</a>