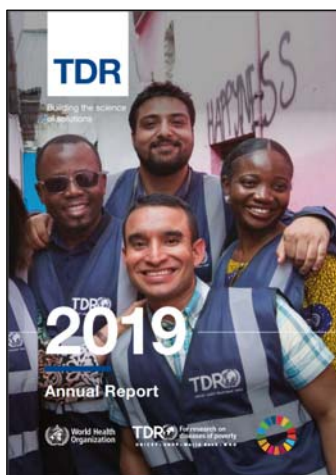




## Highlights of progress in 2019



## Strengthening research capacity



### 2019 Highlights

#### MOOC on Implementation Research

#### More than 5000 researchers

from 116 countries participated in TDR's Massive Open Online Course on Implementation Research conducted in English, French and Spanish.

#### Ethics in Implementation Research

#### New training course on ethics in implementation research

jointly developed by TDR and WHO's Health Ethics & Governance Unit.

#### Postgraduate Training Scheme

#### In collaboration with seven universities

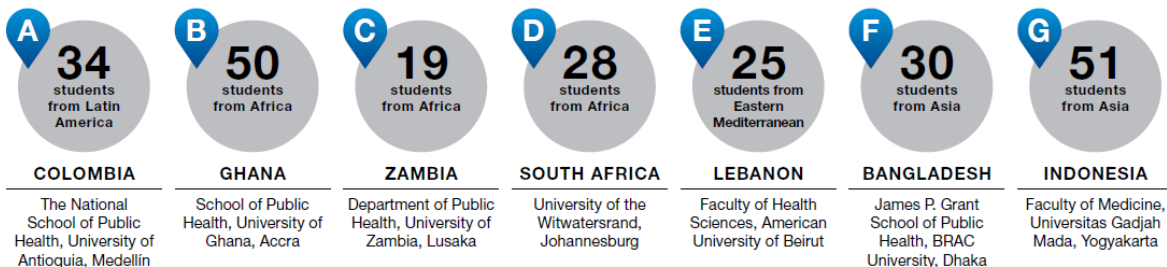
in low- and middle-income countries, TDR has awarded a cumulative total of 237 master's fellowships since 2015 focused on implementation research.

**TDR** For research on diseases of poverty  
UNICEF · UNDP · WATER BANK · WHO

### INTERNATIONAL REACH OF POSTGRADUATE TRAINING SCHEME



NUMBERS OF MASTER'S STUDENTS TRAINED AT PARTNER UNIVERSITIES IN THE POSTGRADUATE TRAINING SCHEME (AS OF SEPTEMBER 2019).



## Research for implementation



### 2019 Highlights

#### Testing mosquito sterilization

#### to control dengue, Zika and chikungunya

TDR and WHO's Department of Control of Neglected Tropical Diseases have collaborated with the International Atomic Energy Agency and its joint division with the Food and Agriculture Organization to develop guidance on testing the Sterile Insect Technique (SIT) to control diseases carried by Aedes mosquitoes such as dengue, Zika and chikungunya.

#### Improving access to new treatment regimens

#### for drug-resistant tuberculosis

TDR, in collaboration with the WHO Global Tuberculosis Programme and technical partners, has developed an implementation/operational research package (ShORRT) to support the use of all-oral shorter drug regimens for patients with drug-resistant TB.

#### Tackling antimicrobial resistance (AMR)

#### through operational research

36 operational research studies are underway in Ghana, Myanmar, Nepal, Sierra Leone and Uganda as part of TDR's Structured Operational Research and Training Initiative (SORT IT).

#### Promoting gender-sensitive research

#### on infectious diseases

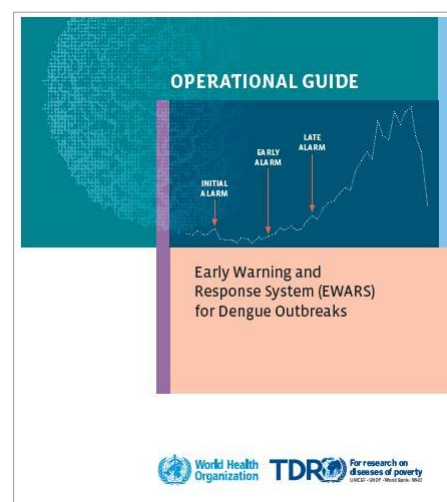
With TDR support, the University of Ghana and the University of the Witwatersrand in South Africa have integrated TDR's training course on gender-based analysis in vector-borne disease and climate change research into their Master's of Public Health courses.

## Impact of efforts to strengthen country preparedness for disease outbreaks

TDR's Early Warning and Response System (EWARS) for Dengue Outbreaks (+ Zika and chikungunya) disseminated through in-country workshops and TDR expert meetings.

- **Mexico has incorporated EWARS into national surveillance platform**
- Colombia, India, Sri Lanka and Thailand have piloted EWARS ahead of integrating into national surveillance systems

(Spanish-language version to be published this year.)



## Global engagement



### 2019 Highlights

**Collaboration with WHO and other partners on research grants**

**Shaping the global health research agenda**

**Advancing community-engaged social innovations in health**

**Leveraging the TDR Global community for mentorship and collaboration**

**US\$2 million was leveraged**

by partners to support 77 research grants awarded in five WHO regions.

**A Health Product Profile Directory**

was launched to guide the development of products to combat neglected diseases and threats to global health.

**6 country hubs**

of the Social Innovation in Health Initiative are playing a leadership role in advancing social innovations through research.

**5 researchers and 10 mentors**

were identified to pilot a TDR Global research crowdfunding challenge.

## Social Innovation in Health Initiative (SIHI): partners join forces to scale up Uganda innovation

TDR, UNDP and UNICEF join forces to support scale-up of social innovation on private health sector management for childhood illness

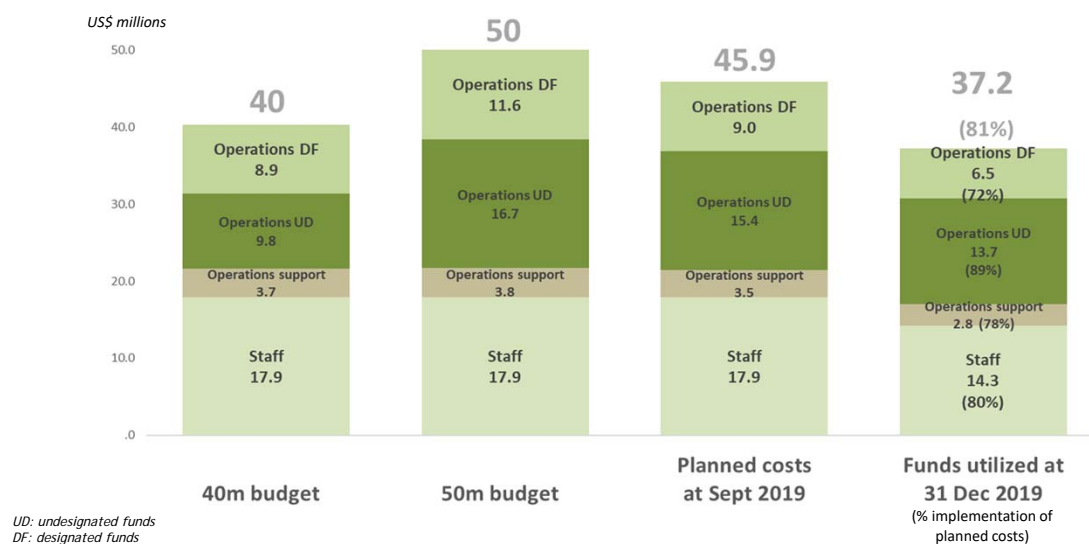
SIHI Uganda innovation part of second prize awarded by UNICEF and UNDP's "Big Think Challenge"

- **Recently recognized and part of second prize in UNICEF and UNDP's "Big Think Challenge"**
  - **scale-up through cross-agency collaboration**



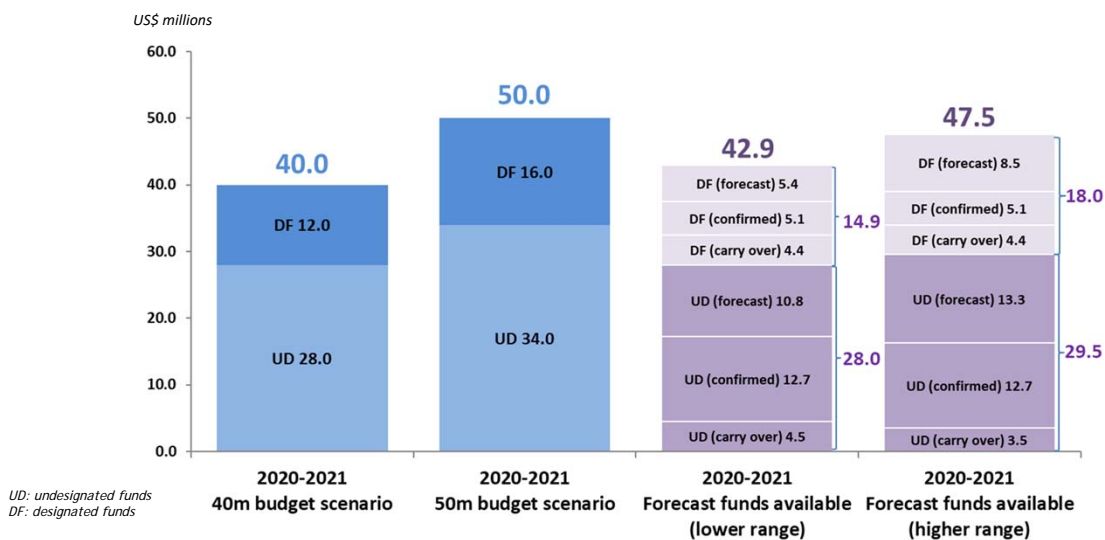


## 2018-2019 financial overview at end 2019



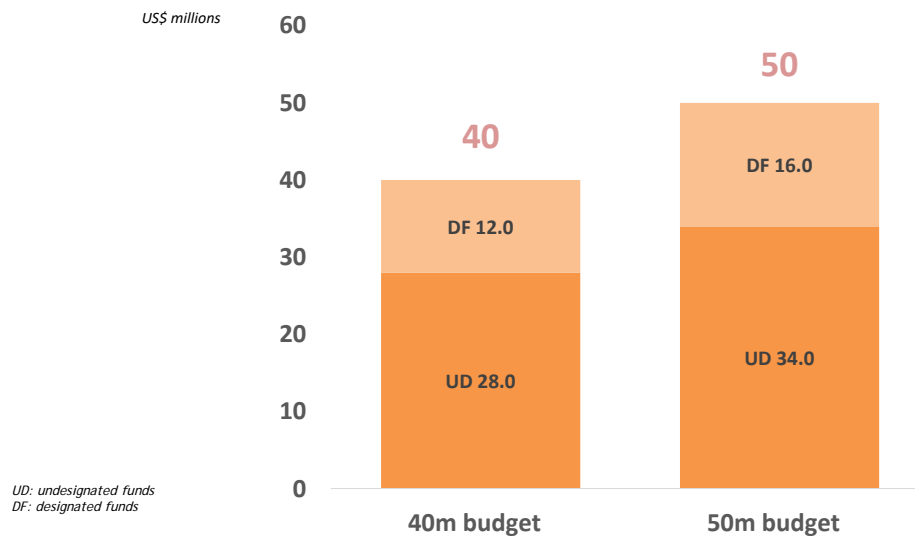
**TDR** For research on diseases of poverty  
UNICEF · UNDP · World Bank · WHO

## 2020-2021 financial update



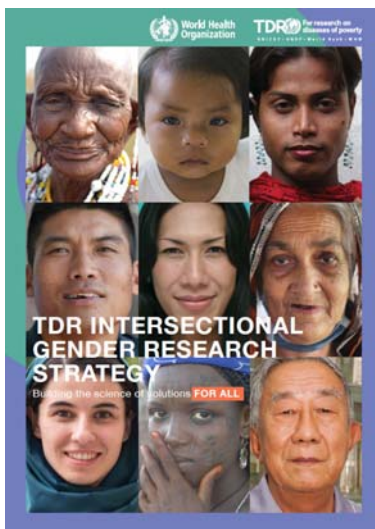
**TDR** For research on diseases of poverty  
UNICEF · UNDP · World Bank · WHO

## 2022-2023 Proposed budget scenario levels



**TDR** For research on diseases of poverty  
UNICEF · UNDP · World Bank · WHO

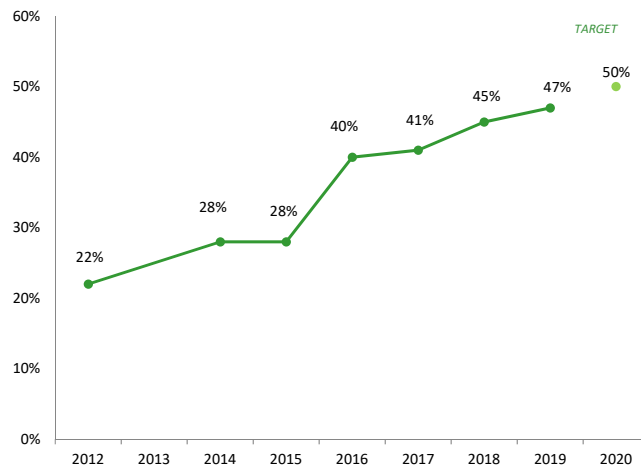
## Promoting gender-responsive interventions for infectious diseases



- Consolidates TDR's commitment and strategic vision to consider gender and equity dimensions across research programmes and research efforts.
- Guides the entire gender-responsive research process from agenda-setting through communication, stakeholder engagement, uptake and implementation of interventions.
- Highlights key principles of **Equality, Diversity and Inclusivity** (EDI) embedded in the organizational culture and in all three core areas of TDR's work (Research for implementation, Research capacity strengthening and Global engagement).
- TDR tools developed in line with the strategy:
  - **Toolkit** for incorporating intersectional gender analysis in research
  - **Online course** on gender-based analysis

**TDR** For research on diseases of poverty  
UNICEF · UNDP · World Bank · WHO

## Gender equity: Proportion of contracts awarded to women



## HR Changes (senior staff)



### Welcome: Professor Abraham ASSEFA

Unit Head, Research for Implementation

- Formerly Senior Scientist at the Armauer Hansen Research Institute (AHRI) in Ethiopia.
- Worked closely with the Ministry of Health in Ethiopia on capacity building for clinical and operational research and on translation of research findings into practice.



### Farewell: Dr Olumide OGUNDAHUNSI

Scientist, Research Capacity Strengthening

- Scientist at TDR (RCS) since May 2000 (20 years).
- Retiring at the end of April 2020.
- Will keep busy as University Director of Research, Development & Innovation and Professor of Pharmacology

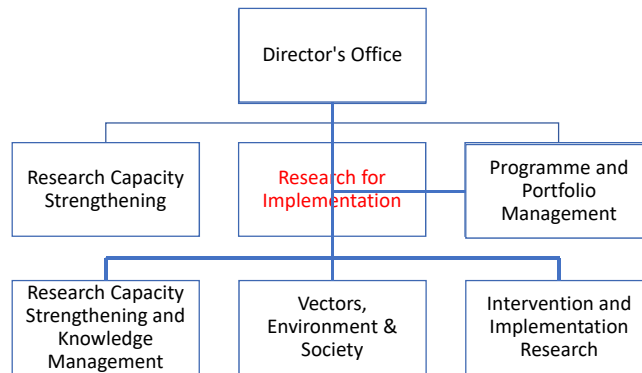


### Farewell: Dr Christine HALLEUX

Scientist, Research for Implementation

- Scientist at TDR since 2009 (11 years).
- Promotional move to the WHO Quality Norms and Standards team

## TDR Reorganization



## TDR's contributions to the COVID-19 response effort

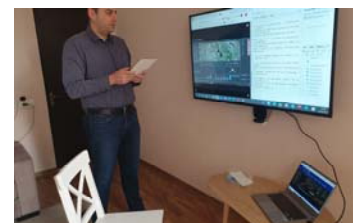
As discussed at Standing Committee and STAC, TDR continues to focus on its core programmes, but is adapting them where useful to the COVID-19 response. Some COVID specific activities include:

- Tracking involvement of **TDR trainees and fellows** in the COVID-19 response.
- Joining the **COVID-19 Clinical Research Coalition**, which aims to accelerate research on COVID-19 in resource-limited settings. Already involved in data sharing working group.
- Developing a customized **training course on Good Clinical Practices** for research teams in all hospitals participating in the WHO SOLIDARITY trial on COVID-19 treatments. Available in English, French, Spanish and Portuguese and already used in 6 countries.
- Leveraging **WARN/CARN-TB research networks** in 27 countries to assess the impact of COVID-19 on TB care and control and conduct of implementation research projects to minimize its impact on TB control in West and Central Africa. SDF funding of \$100 000.



*Dr James Squire, a SORT IT alumnus in Sierra Leone, applying research training on Ebola to COVID-19 surveillance*

*Dr Hayk Davtyan of Armenia, applying his SORT IT training on TB control to case finding GIS on COVID-19*





## Update on surveys determining use of TDR training for COVID-19 response

Training scheme	Respondents	Directly employed on COVID-19 response	Using skills from training in COVID-19 response
<b>SORT IT</b>	488 in 62 countries	62%	73%
<b>Postgraduate training</b>	143 in 47 countries	45%	91%
<b>CRDF</b>	68 in 27 countries	66%	84%

Read the report on TDR Gateway: <https://f1000research.com/articles/9-583/v1>

## Support to TB programmes in West and Central Africa to mitigate the impact of COVID-19 on TB control

- Build on TDR engagement with WARN-TB and CARN-TB
- Call for proposals in collaboration with key regional TB partners
- 11 country-led Implementation research projects selected
- Evaluation of a variety of new and innovative approaches to ensure continuity of TB services
- Digital technologies are tested to overcome issues of access in light of quarantine-related restrictions
- Enhancement of community engagement
- Lessons learned will inform the development of national and regional contingency plans



## Summary

---

- New strategy was fully implemented in the 2018-2019 workplan
- Strong operational achievements in 2019
- Good progress towards results targets
- Clear and achievable workplan for 2020-2021
- Moved towards US\$ 50 million budget scenario allowing additional ≈US\$ 6 million to boost 2019 operations
- Good project implementation rate absorbed additional funds available
- Firm start on US\$ 40 million budget scenario for 2020-2021 biennium
- TDR reorganization now completed as approved by the JCB in 2017
- TDR continuing programme of work during COVID-19 and offering assistance to WHO where appropriate