

TDR: BUILDING LOCAL RESEARCH SOLUTIONS TO CONTROL MALARIA

John Reeder, Director, TDR

The Special Programme for Research and
Training in Tropical Diseases



What is TDR?

A global programme of scientific collaboration that helps facilitate, support and influence research efforts to combat infectious diseases of poverty.

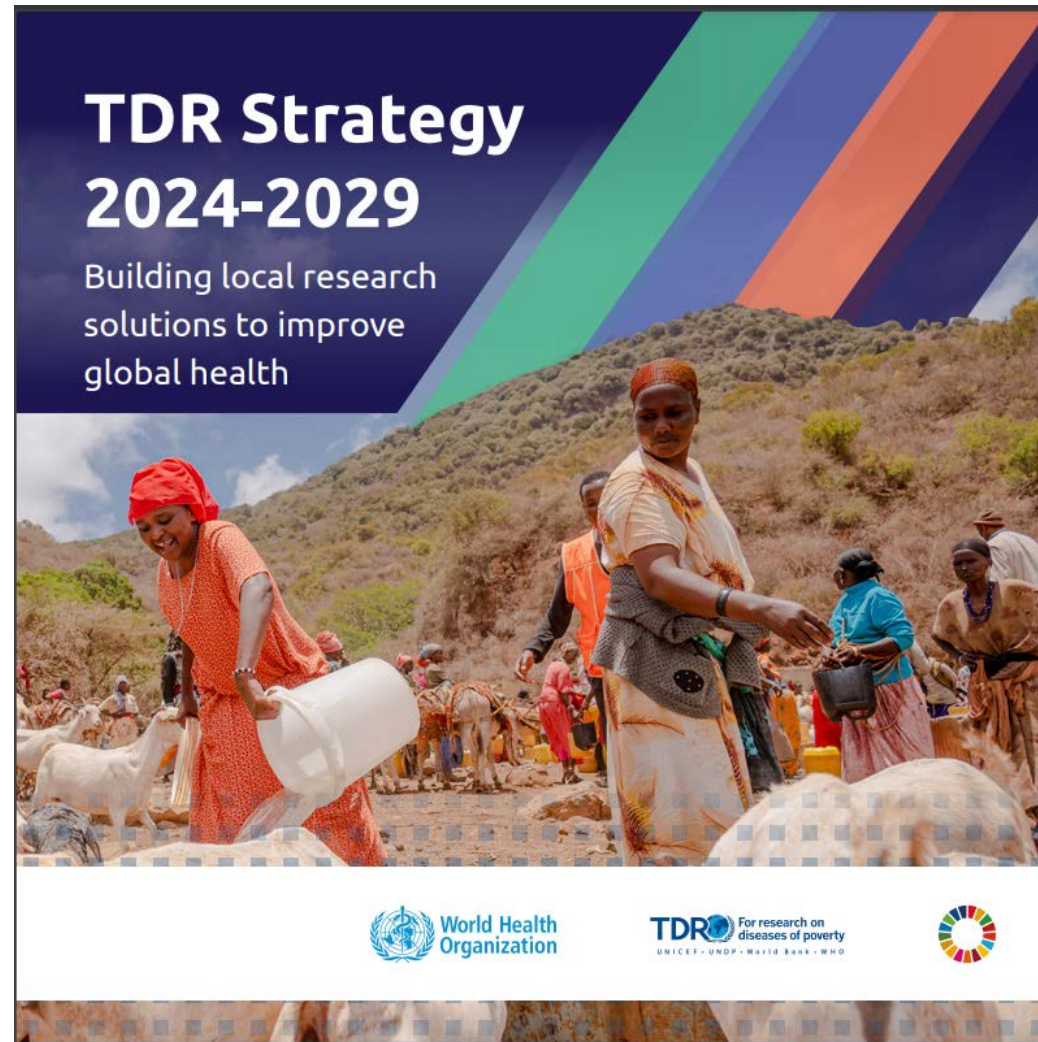
Established in 1974 and based at the World Health Organization.

TDR is co-sponsored by:



TDR Strategy 2024-2029

New strategy outlines TDR's support for country-led implementation research to improve the health and well-being of people burdened by infectious diseases of poverty.



Strategic approaches to addressing global health challenges



Research support



Supporting and facilitating country-led implementation research to improve access to quality health interventions.

Research training



Strengthening the capacity of people, institutions and societies to produce research evidence that is useful for reducing the burden of infectious diseases of poverty.

Global engagement



Engagement and collaboration with the wider global health effort to promote and facilitate the role of research for development.

Making an impact: Supporting country-led research for global health challenges



History of TDR



MEDICINES, DIAGNOSTICS AND VECTOR CONTROL

1975

- Multi-drug therapy for leprosy
- Mefloquin, Mefloquine plus sulphadoxine-pyrimethamine, bednets for malaria
- Ivermectin for onchocerciasis
- Leishmaniasis direct agglutination diagnostic test
- Insecticide-impregnated tsetse fly traps for sleeping sickness



COMMUNITY AND SOCIAL RESEARCH

1995

- Community-led approach to onchocerciasis annual mass treatment
- Home management of malaria by community healthcare workers
- New social research methodologies



ACCESS FOR THE MOST VULNERABLE

2005

- Building research capacity for implementation to achieve UHC
- Harnessing innovative research to control and eliminate infectious diseases of poverty
- Building resilience to vector-borne diseases and climate change
- Accelerating UHC through innovative and inclusive approaches

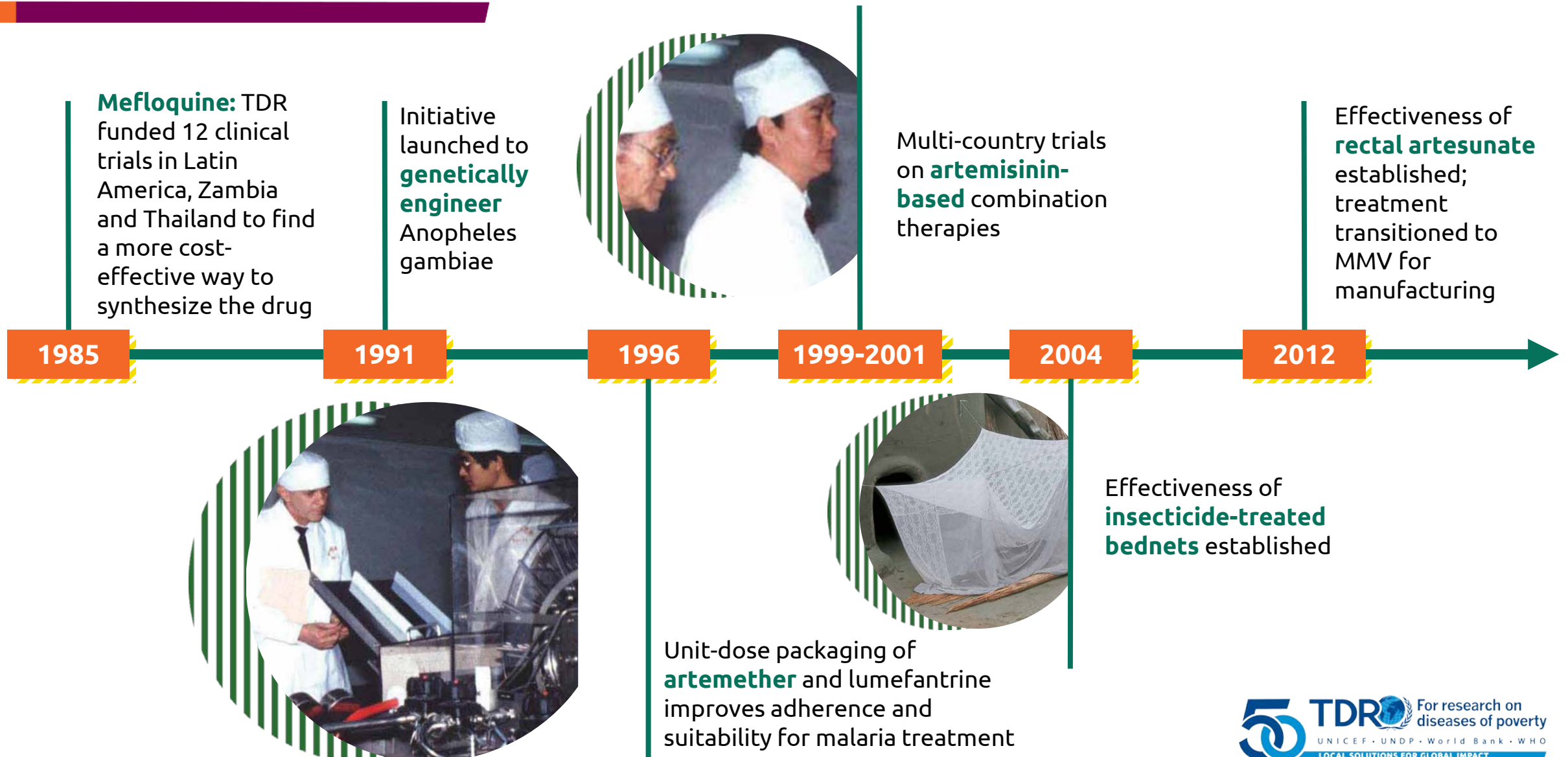


IMPLEMENTATION SCIENCE

2019

- Finding solutions to implementation problems
- Democratizing science, as a tool for all implementers
- Embedding research in intervention programmes
- Innovating for better application of old as well as new tools

TDR and malaria research



Establishing the effectiveness of insecticide-treated nets

- In the 1990s, TDR funded large-scale trials necessary to prove the effectiveness of insecticide-treated nets in sites across Ghana, Burkina Faso, Kenya and The Gambia that covered 400 000 children.
- The final results that insecticide-treated nets could reduce overall childhood mortality by an average of around 20% led to the WHO recommendation that they be a standard preventive treatment in malaria endemic areas, and their extensive distribution across the African continent.



Testing artemisinin-based combination therapies

TDR coordinated a series of multi-country trials in Africa and Latin America between 1999 and 2001 comparing single-agent treatments to regimens where they were combined with artemisinin. These studies helped provide the evidence for a paradigm shift in malaria, from single-agent to artemisinin-combination therapy (ACT).

TDR was invited to the 2015 Nobel Prize ceremony where Tu Youyou was recognized for her discovery of artemisinin.



Current activities for malaria control:

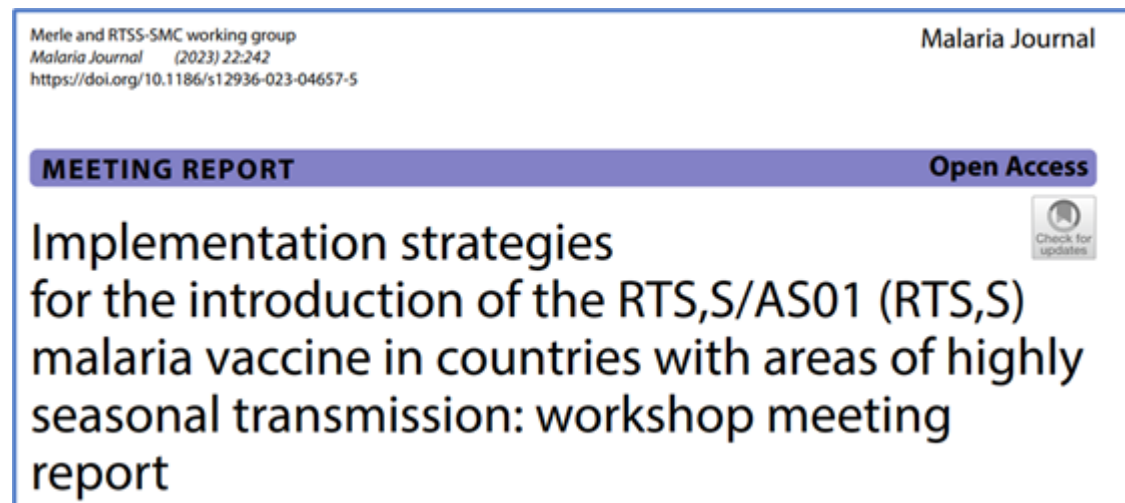
Seasonal malaria chemoprevention

- Support to the National Malaria Programmes of 13 countries for conducting IR/OR projects for **optimizing SMC**
- Co-organization with WHO **Global Malaria Programme** of expert meeting with NMPs implementing SMC for the **revision of the SMC field guide** (published in English and in French)



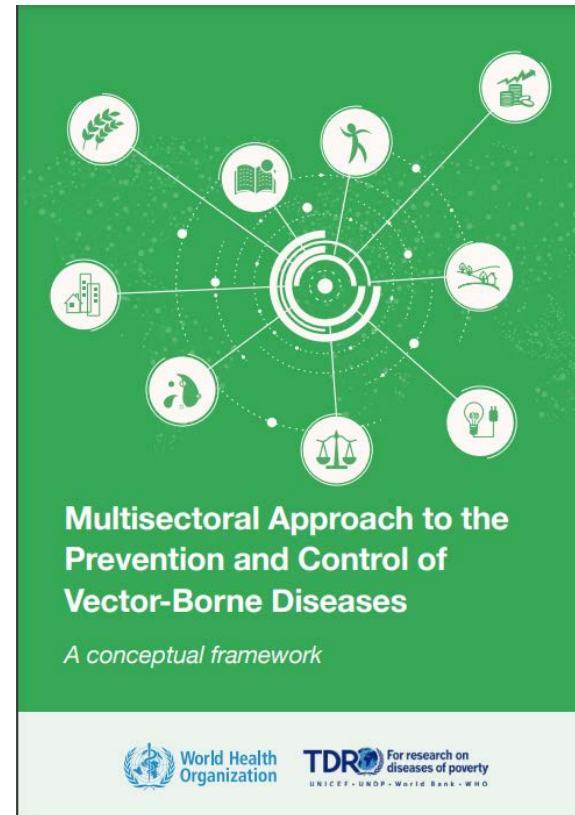
Supporting delivery of new malaria vaccines

- Developing implementation strategies for delivering new malaria vaccines (RTS,S/AS01 and R21/Matrix-M)
- Collaboration with MVIP, GAVI, PATH for the organization of a face-to-face meeting with the NMPs and EPI department of the 13 OPT-SMC countries
- Discussion of implementation strategies and mode of delivery in countries with seasonal malaria and middle to low EPI coverage
- National dialogue on malaria introduction in Guinea and support for GAVI application



Supporting new approaches to malaria control

- Supporting a multisectoral approach for malaria vector control and mitigation of insecticide resistance
- Malakit: a malaria self-diagnosis and self-treatment kit for hard-to-reach mobile populations in Suriname, Brazil and French Guiana



Thank you to our donors

TDR is able to conduct its work thanks to the commitment and support from a variety of funders.

These include our long-term core contributors from national governments and international institutions, as well as designated funding for specific projects within our current priorities.

For the full list of TDR donors, please visit our website at:

<https://tdr.who.int/about-us/our-donors>



TDR For research on
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LOCAL SOLUTIONS FOR GLOBAL IMPACT