

MERCK

who

We

are



We are a
vibrant
science and technology
company



Watch our movie

MERCK

our ideas are everywhere

from cancer therapies and laboratory tools to the display of your smartphone or the effect pigment coating of your car.

To us, it's about discovering and developing for life in all its vibrancy, drawing our unique expertise in **health care, life science and performance materials.**

CuRious minds

dedicated to human progress

Our global network of scientists, experts and thought leaders is driven by the passion to explore and the prospect of making a meaningful difference in the world.



MERCK



We are **MERCK**

Every day, our nearly 52,000 employees work in 66 countries to make a positive difference to millions of people's lives by creating more joyful and sustainable ways to live.

Merck KGaA
Darmstadt, Germany

**EMD
SERONO**

**MILLIPORE
SIGMA**

**EMD
PERFORMANCE
MATERIALS**

We are known as Merck internationally except for the United States and Canada, where we operate as EMD Serono in the biopharmaceutical business, MilliporeSigma in the life science business, and EMD Performance Materials in the high-tech materials business.

MERCK

Successful business with a Conscience

We take responsibility for our products, the environment and the people around us – especially our employees and the communities in which we operate. In doing so, safety and ethical aspects matter just as much to us as business success.



MeRck's Global Responsibility

Corporate Responsibility

We identify and initiate opportunities to create shared value across Merck.

We collaborate in addressing major global challenges by delivering solutions that enable

- economic
- social
- environmental

value within and beyond business operations.

Global Health

We improve health of underserved populations in low- and middle-income countries

- through Merck's innovations in science & technology
- in close collaboration with our external partners

Our overarching principle is **shared value**:

we identify societal and environmental needs that we can service with our assets in a win-win approach for society and Merck.

Global Health at

MERCK

We improve the health of underserved populations in low- and middle-income countries through Merck's science & technology innovation, and in close collaboration with our external partners.

MERCK

Integrated Global Health strategic framework

Shared value, schistosomiasis and malaria are our priority areas

PURPOSE <i>Why we do it</i>	We improve the health of underserved populations in low- and middle-income countries through Merck’s science & technology innovation, and in close collaboration with our external partners.			
OPERATING PRINCIPLES <i>How we do it</i>	Our overarching principle is shared value : <i>We want to enhance Merck’s competitiveness by addressing unmet needs in win-win solutions</i>			
	<i>We develop innovative solutions that address unmet GH needs</i>	<i>We engage cross-sector partners to amplify impact</i>	<i>We create business opportunities to serve unmet needs sustainably</i>	
PRIORITY AREAS <i>What we do</i>	1 Schistosomiasis elimination ¹			
	2 Malaria and infectious diseases product innovation			
	3 Creation of new shared value opportunities, including access, health system strengthening and capacity building along the value chain			
TARGET GROUPS <i>We want change</i>	For underserved populations	For our business units	For our employees	For external partners and stakeholders

¹ Defined as elimination of schistosomiasis as a public health problem

HSS, health systems strengthening

Our principle: Shared value



Innovative solutions that address unmet GH needs:

We develop new integrated drug, diagnostic, and vector control solutions for the infectious disease space, and we take a leading role in the elimination of schistosomiasis



Cross-sector partners to amplify impact:

We participate in multi-stakeholder GH platforms and the ATM Index to help shape the agenda and progress of the SDGs and catalyze access alliances for our solutions



Business opportunities to serve unmet needs sustainably:

We help Merck's business to improve the health of the underserved in a sustainable way by providing access to Merck's portfolio across the 3 Merck business sectors

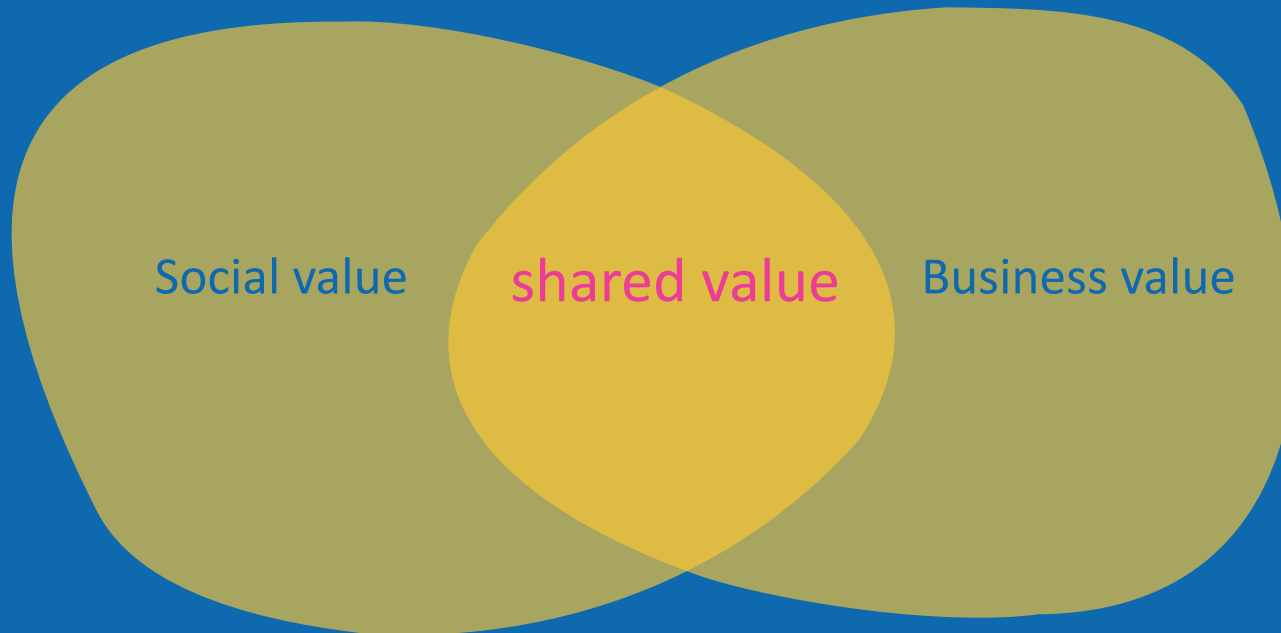


Using

Shared value

to improve the health of underserved populations

Our guiding principle is shared value



We identify societal and environmental needs that we can service with our assets in a win-win approach for society and Merck

GH Committed to the UN SDGs

Leaving No One Behind



Objectives

- Building on the success of the Millennium Development Goals
- Ensuring sustainable social and economic progress worldwide
- Integrating and balancing economic, social and environmental dimensions
- Ambitious agenda for all 7 billion of the world's people, not just the poorest
- New models of partnership



“Sustainable business can unlock at least US\$12 trillion in new market value and repair the economic system.”

Better Business, Better World,
The report of the Business & Sustainable
Development Commission, January 2017

GH main contribution into UN SDGs



Leaving
no one
behind

Universal Health Coverage (UHC)



"Universal health coverage is both a SDG goal in itself and a means for implementing other goals."



implementation of **public health interventions, disease prevention** and **health promotion**



Global UHC movement due to: 1) importance of access to health; 2) importance of health in the economy; 3) growing burden of NCDs.



SDG 3.8

"Achieve universal health coverage, including financial risk protection, access to quality essential health-care services and access to safe, effective, quality and affordable essential medicines and vaccines for all."

The Global Health Leaders, Goals, Drivers

Global Health

Manfred Klevesath



Create new shared value opportunities, health system strengthening

...

... and capacity-building throughout the value chain

A healthier future for all: individuals, communities, countries

Merck Global Health Institute

Jutta Reinhard-Rupp



Shared value and new opportunities across business units, better One Merck collaboration

Our team members as motivated, inspired and responsible citizens and leaders of change

Develop innovative products in the fight against malaria and infectious diseases

Merck Schisto Elimination Program

Johannes Waltz



Eliminate schistosomiasis as a public health burden

Global Schisto Alliance

Access to Health

Frédérique Santerre

Merck as a trusted, responsible and equal partner in GH for our stakeholders

The Global Health Mandates



**Manfred
Klevesath**

Global Health

We improve the health of underserved populations in low- and middle-income countries through Merck's science & technology innovation, and in close collaboration with our external partners.



**Jutta
Reinhard-Rupp**

Merck Global Health Institute

Develop transformative health solutions to support control and elimination programs related to infectious disease carrying a major toll on children.



**Johannes
Waltz**

Merck Schisto Elimination Program

Develop a cross-sectoral collaboration among all stakeholders to meet the challenging target of the global elimination of schistosomiasis.



**Frédérique
Santerre**

Access to Health

Improving sustainable access to high-quality health solutions for unserved and underserved populations, regardless of their geographic location or ability to pay.

Our priority areas



Eliminate
schistosomiasis
as a public
health burden



Malaria and
infectious diseases
product innovation



Creation of new shared
value opportunities,
including access, health
system strengthening and
capacity building along the
value chain



Eliminate
schistosomiasis
as a public
health burden

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Schistosomiasis, the second most devastating tropical disease in terms of public health burden and economic impact.

More than **200 million people** worldwide suffer from schistosomiasis

> **90%** of those affected live in sub-Saharan Africa.

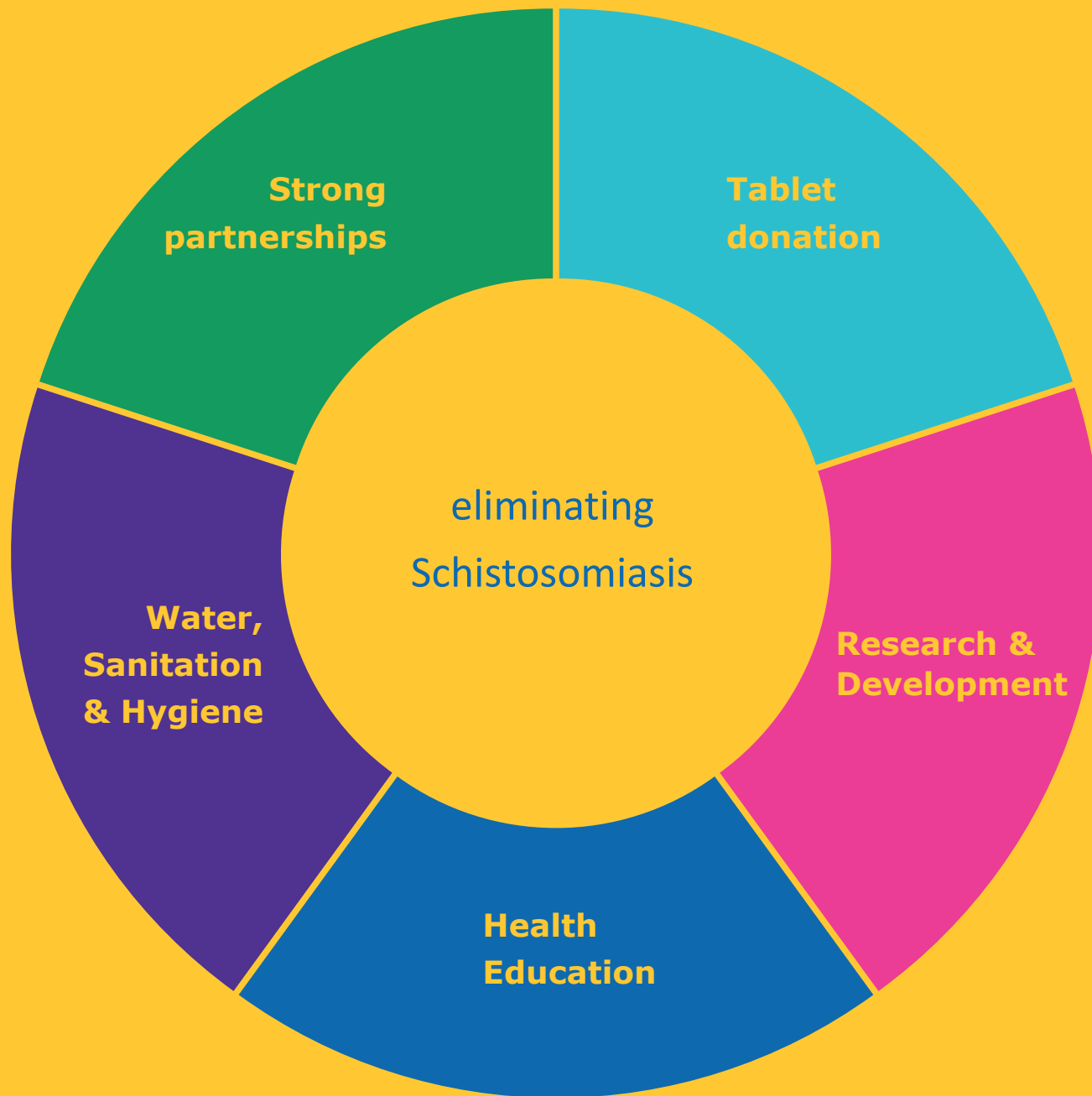


Key Facts on Schistosomiasis



The cycle of transmission

- Schistosomiasis is caused by **flatworms** and is spread through **stagnant water**.
- The **infection rate** is especially high among **children**
- **Chronic symptoms** that result are learning disabilities, anemia, malnutrition
- It leads to **chronic diseases**, e.g. genital schistosomiasis, bladder cancer



Our goal elimination of schistosomiasis as a public health burden through an integrated approach

2007

Begin of the donation program in partnership with WHO

250 M

Committed annual donation

Tablet
donation



1 B

PZQ tablets donated

400 M

Treatments of school-aged children enabled

46

African countries supplied



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Transmission

- Innovative tools to control the vector
- Water & sanitation control methods

Research & Development



Treatment

- Next generation of compounds (drug discovery)
- New Ped PZQ formulation for pre-schoolers
- PZQ optimized formulation
- PZQ use for Female Genital Schistosomiasis



Diagnostics



- Sensitive and specific diagnostics
- New biomarkers to develop complementary diagnostics

Health System Strengthening



- Initiative for higher education for local researchers
- Capacity building: from infrastructures to operational research

Within the scope of a public-private partnership (PPP), we are developing a **formulation** of praziquantel for **preschoolers**

Research &
Development



VISION:

Reduce the global disease burden of schistosomiasis

MISSION:

Develop, register and provide access to a suitable **pediatric praziquantel formulation** to treat schistosomiasis in preschoolers, including infants and toddlers

www.pediatricpraziquantelconsortium.org/



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Health
Education



Enhancing knowledge

Through a health education project in Ethiopia with the **NALA Foundation**, which develops impactful tools to promote changes in hygiene behavior.

Through a number of research programs with local academia and institutions which aim at fostering expertise and know-how in developing countries.

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WASH



Life changing behaviors

Good hygiene behavior is crucial to **prevent the infection** with schistosomiasis.

We are looking into opportunities to include water, sanitation and hygiene i.e.

WASH activities and tools into our approach.

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#MakingSchistory

Merck Global Health at the heart of a large community of partners.

2007: **World Health Organization (WHO)** – our strong partner in the fight against schistosomiasis.

2012: **Pediatric Praziquantel Consortium** – today formed by 8 partners and 2 main funders.

2014: **Global Schistosomiasis Alliance (GSA)** as a key convening platform for the global schistosomiasis community.

The goal: move towards **global elimination** of this insidious disease.

Strong
partnerships



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