BIOSOLIDS STANDARD AND ECONOMIC FRAMEWORK

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WASTEWATER AND FAecal SLUDGE contribute 62% of the water sector's total GHG emissions.

Source: UN Habitat (2023) Global Report on Sanitation and Wastewater Management in Cities and Human Settlements
58% of the world population relies on **ONSITE SANITATION**.

*Source: WHO & UNICEF (2022) Joint Monitoring Programme*
ECONOMIC LOSSES OF INDIA
resulting from poor sanitation is estimated at >6%.

Source: Singh, P.K. (2014). The health and economic cost of poor sanitation. WHO South-East Asia
Safely managed sanitation coverage by region

- North America: 93%
- Europe and Central Asia: 77%
- East Asia and Pacific: 71%
- Middle East and North Africa: 48%
- Latin America and Caribbean: 40%
- South Asia: 37%
- Sub-saharan Africa: 24%

Source: WHO & UNICEF (2022) Joint Monitoring Programme
Treated Faecal Sludge Compost for Non-food Applications
IAPMO – ITSC – 01: 2022 (Standard)

STANDARDS ON TREATED FAECAL SLUDGE COMPOST FOR NON-FOOD APPLICATIONS
THE WHITEPAPER FOCUSES ON

- Supply chain stakeholder mapping
- Economic arguments for implementing Standards
- Supply chain constraints
- Sustainability and social impact value unlocked from implementing Standards
- Recommendations
ECONOMIC ARGUMENTS

01 Market Development and Expansion
02 Competitive Advantage
03 Increased Product Value
04 Improved Sales
05 Government monitoring and regulation
ECONOMIC FRAMEWORK

AFRICA

VS

INDIA

The cost per Kg

Collection and Transport

Treatment

Testing

Enrichment

Bagging

Selling

Added Value
Lack of steady supply of raw materials
Limited availability and high costs of testing facilities
Operational and logistical constraints
Seasonal variations in quantity and quality of raw materials
Challenges in selling the final product
Expansion and scaling challenges
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