



# ATLANTIC BIOSAND FILTERS

Subject: Water and Sanitation  
Rotary Club of Barranquilla  
District 4271-Colombia



## WHY FOCUS ON SAFE WATER?

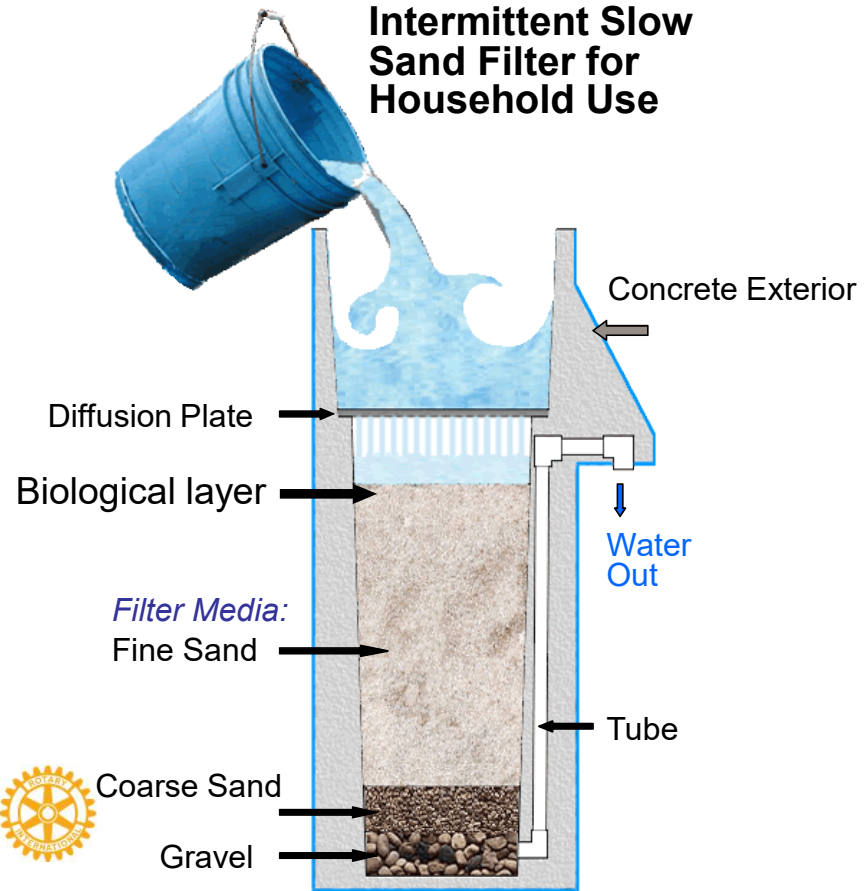
- 80% of rural families lack potable water
- 12,000 rural piped water systems-no treatment
- Many people drink from surface water sources
- Turbidity & bacteria are BIG problems
- Families take ownership for their filter

Biosand filters have a useful life **30 years**  
– **Nothing to replace, no ongoing costs**



# Biosand Filter

Intermittent Slow Sand Filter for Household Use



## 593 BioSand Filter

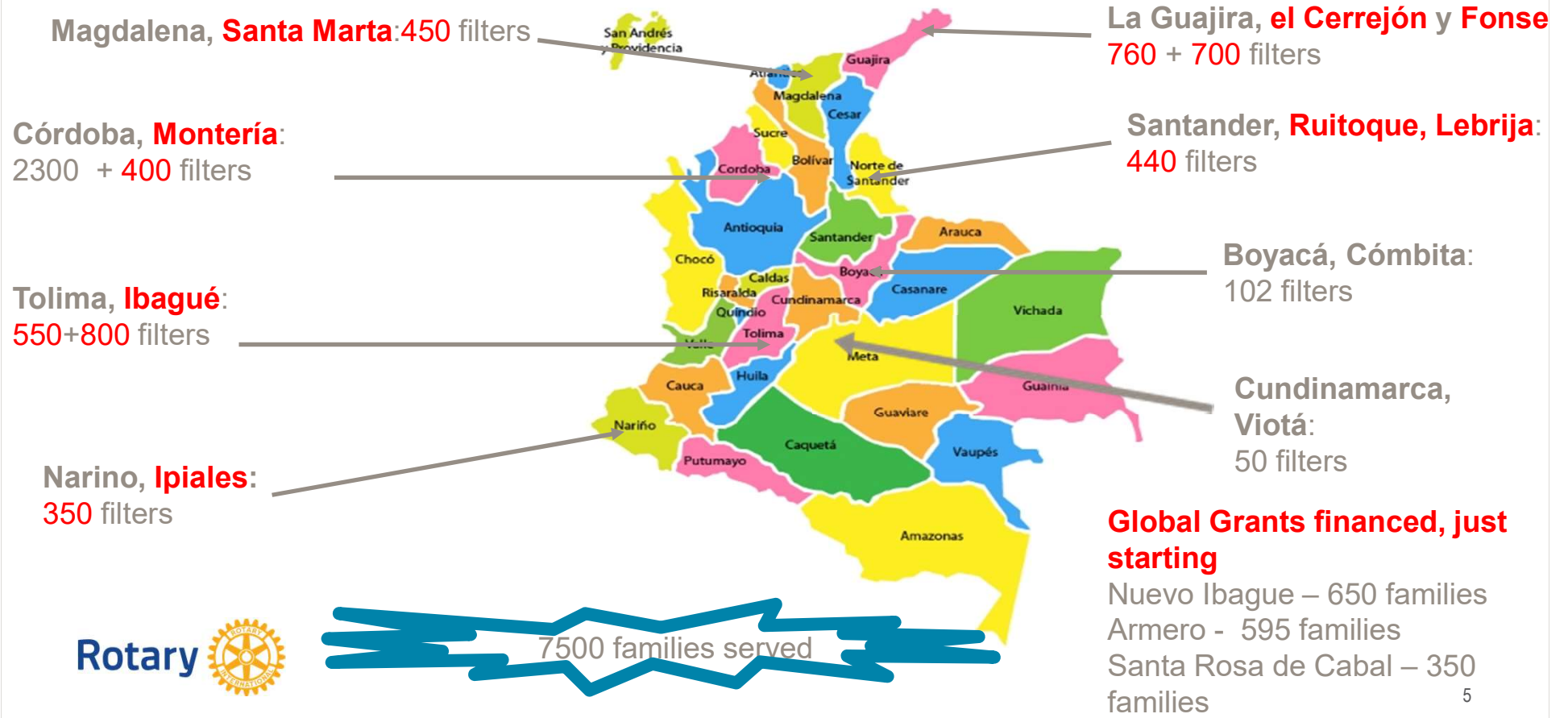
### Removes

- Iron, Manganese
- Parasites 99%
- Bacteria E Coli >97%
- Virus 80-90%
- Cost (approx)
  - Filter \$55
  - Educational \$55



- Household Water Treatment
  - Box, media, diffuser, lid
  - Safe Storage tank with lid and spigot
  - Chlorine dropper bottle

# BioSand Filter Projects – Global Grants & other



## SHARED EXPERIENCES, TRAINING

- Ten Rotary Clubs with experience
- NGO's focused on Safe Water



- Well established training and follow-up curriculum and strategy



# ESTABLISHED COLOMBIAN SUPPLY CHAIN



Steel molds- Made in Monteria, Ibague and Piedecuesta



Plastic Diffuser –Made in Bogota



Filter media- ready to install  
Made in Tolima

# Beneficiaries

|  |      |
|--|------|
| Numero total de familias beneficiadas              | 593  |
| Promedio por familia                               | 6    |
| Total beneficiados directos                        | 3558 |
| Área de ejecución del Proyecto                     |      |
| Departamento del Atlántico costa Caribe Colombiana |      |





# Budget

| Rubro                | Descripción del Rubro   | Valor en COP    |
|----------------------|---|-----------------|
| Entrenamiento        | Consiste en los costos derivados de la capacitación a los líderes y a su vez a los usuarios finales | \$ 16504        |
| Suministros          | Suministros de filtros y accesorios.  | \$ 28869        |
| Operaciones          | Operaciones y transportes   | \$ 3795         |
| Personal             | Sueldos y prestaciones de capacitadores y gestores  | \$ 12324        |
| Gestión del Proyecto | Administración e Imprevistos  | \$ 3770         |
| <b>Total</b>         |   | <b>\$ 65263</b> |



# Financing

|                               |              |           |               |
|-------------------------------|--------------|-----------|---------------|
| <b>Costo del proyecto</b>     | <b>USD\$</b> | <b>\$</b> | <b>65.260</b> |
| <b>Club local</b>             | USD\$        | \$        | 2.263         |
| <b>Clubes Patrocinadores</b>  | USD\$        | \$        | 9.000         |
| <b>Distrito 4271 o 4281</b>   | USD\$        | \$        | 1.000         |
| <b>Distrito Internacional</b> | USD\$        | \$        | 26.000        |
| <b>Fundación Rotaria</b>      | USD\$        |           | 27.000        |





Join us and let's transform life together

Barranquilla Rotary Club

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**Rotary**