

# **Linking the programmes:**

## **New partnerships with onchocerciasis programmes**

GAELF 7  
World Bank  
Washington DC  
18-19 November 2012

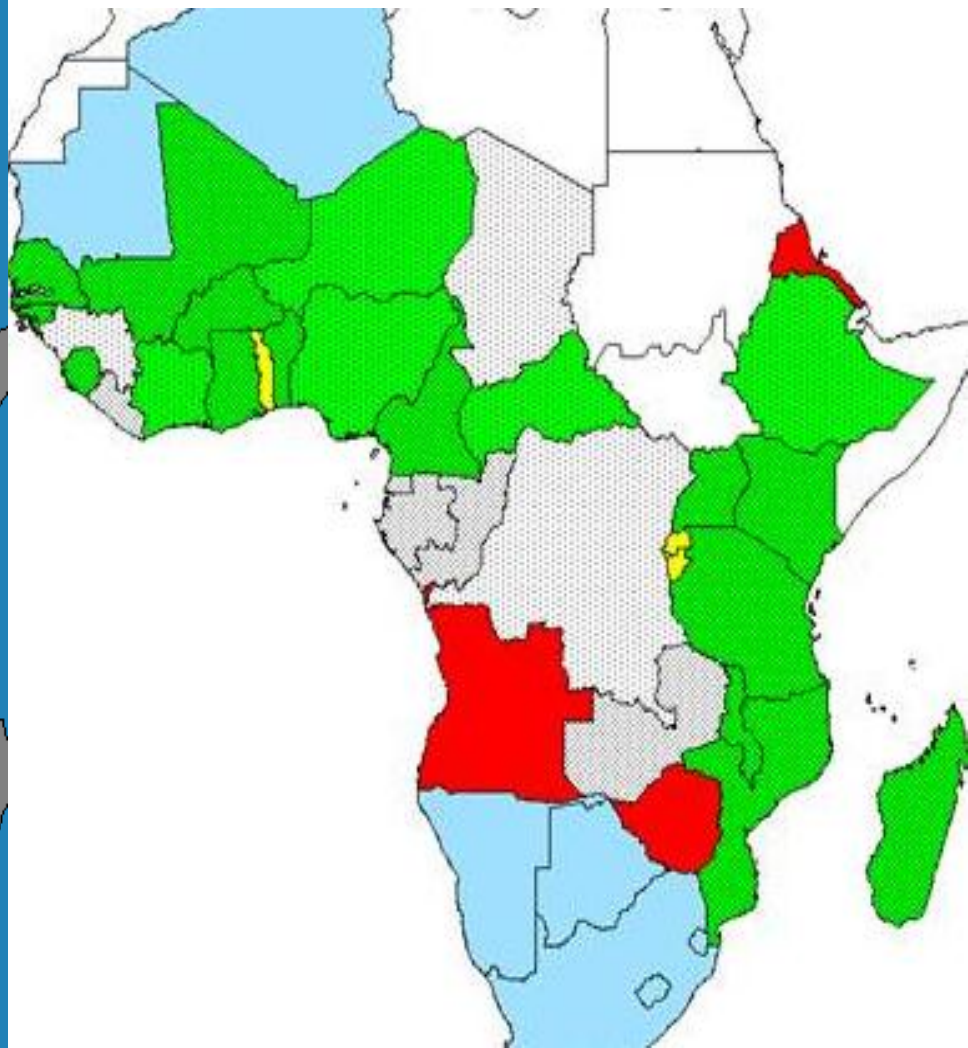
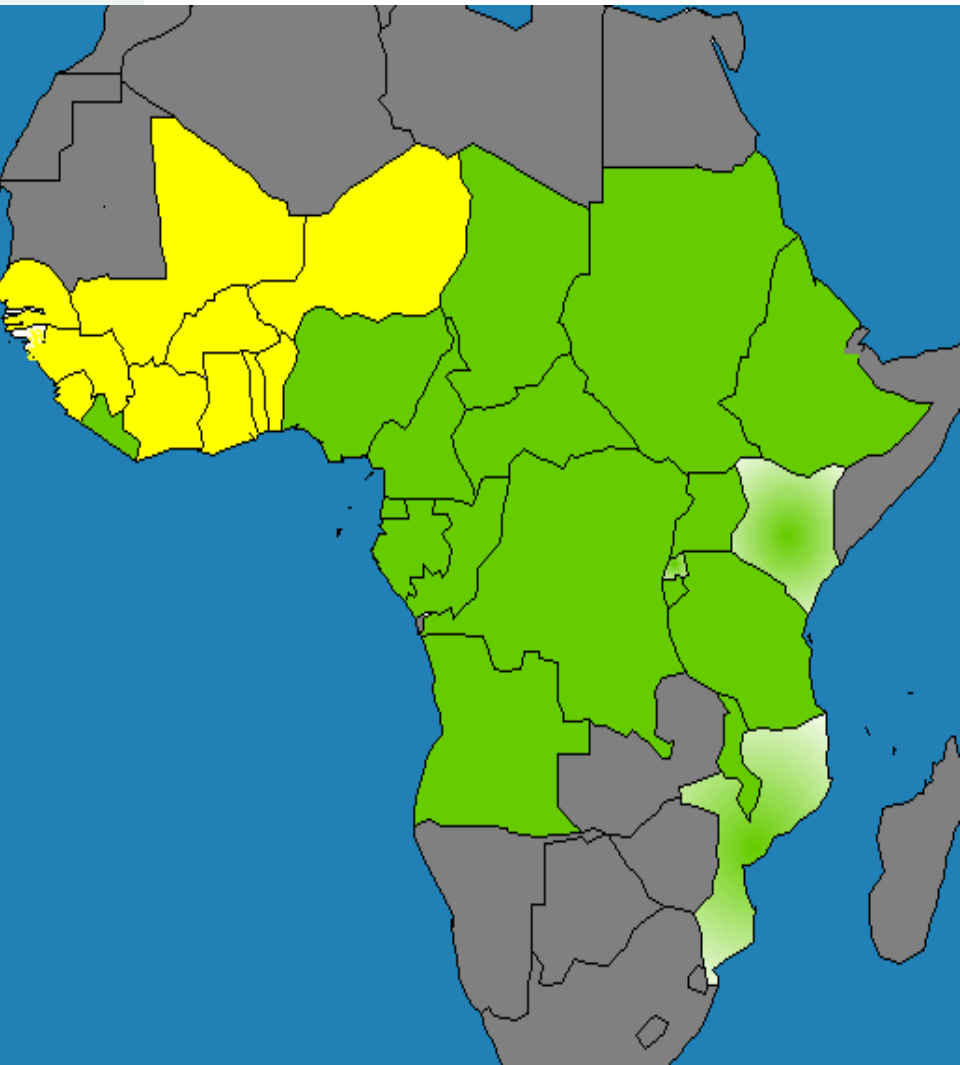
Adrian D Hopkins  
Mectizan Donation  
Program

[www.mectizan.org](http://www.mectizan.org)

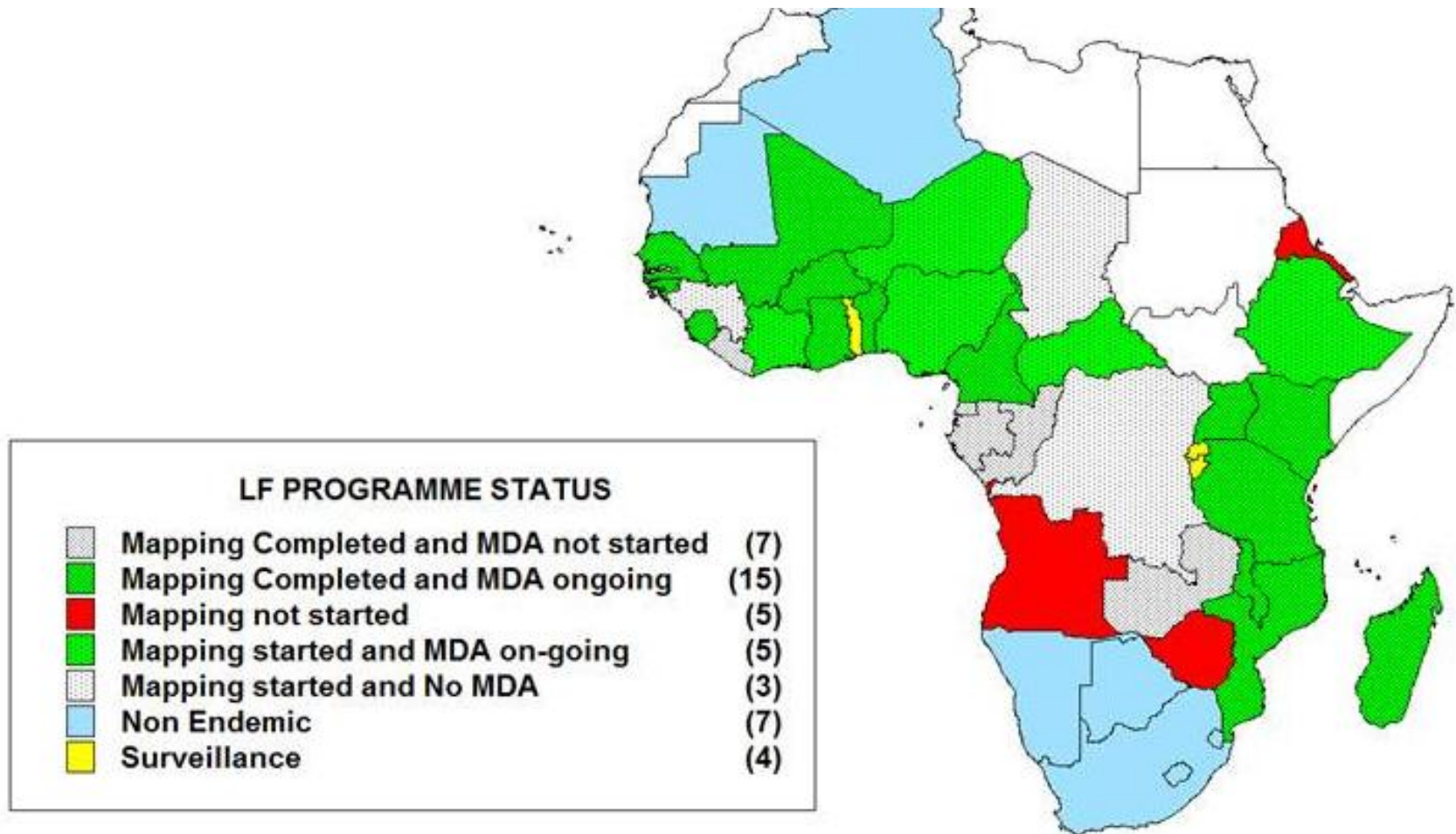
- Common populations infected
- Common disease agent
- Common treatment
- Common M&E
- Common challenges

# Common populations infected

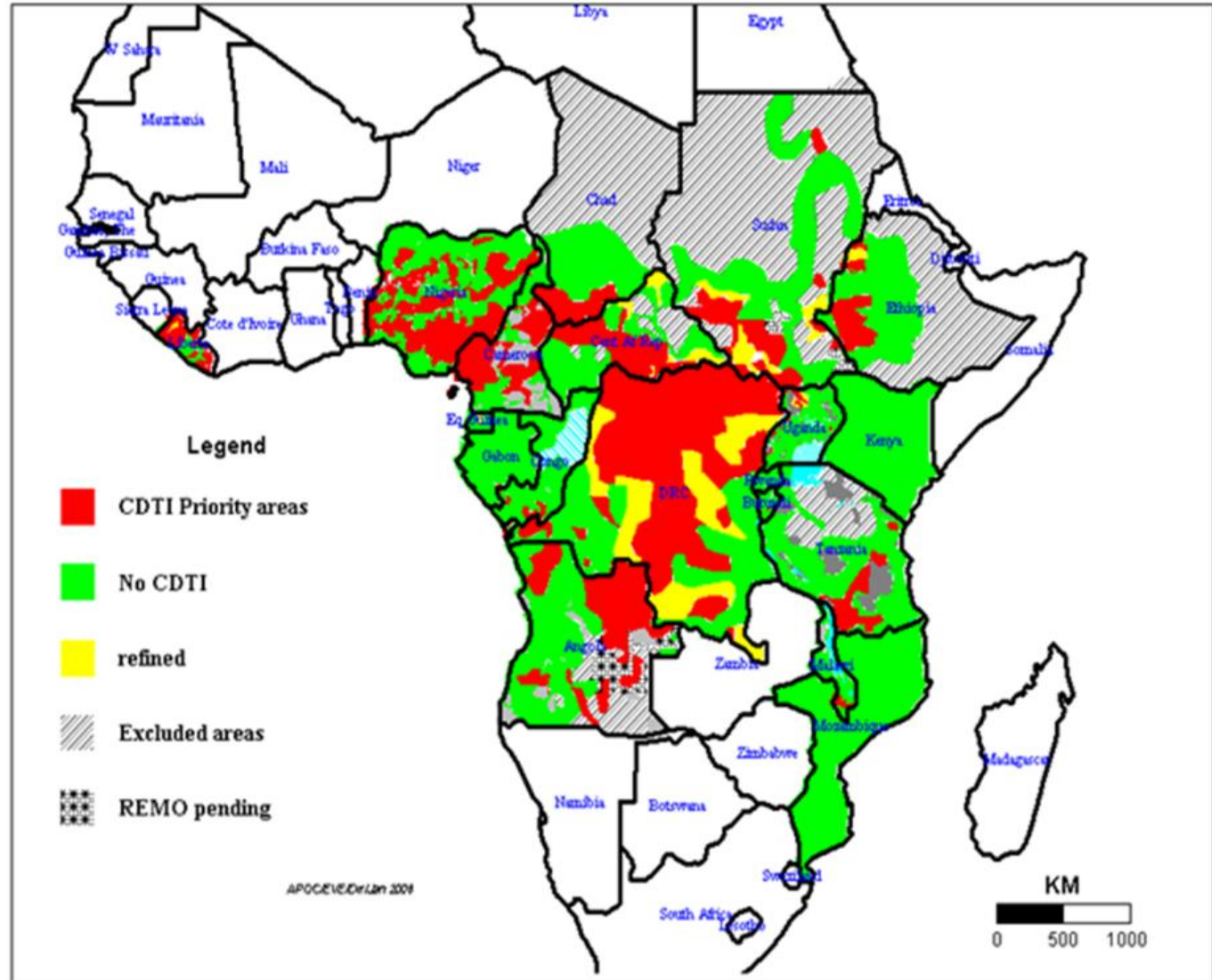
# Common populations In Africa and the Yemen



# Lymphatic Filariasis Current Status



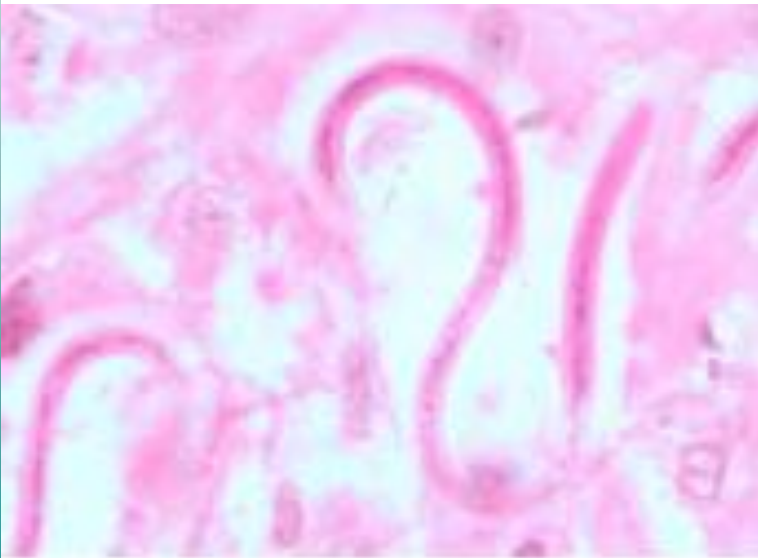
# Onchocerciasis Treatment areas



# Common Disease agent

# Filaria

- Both diseases are caused by filarial species !



# Common treatment

# Treatment

- Both diseases use Mectizan in Onchocerciasis endemic areas
- Albendazole is needed for LF and may well speed up onchocerciasis elimination

# Common M&E

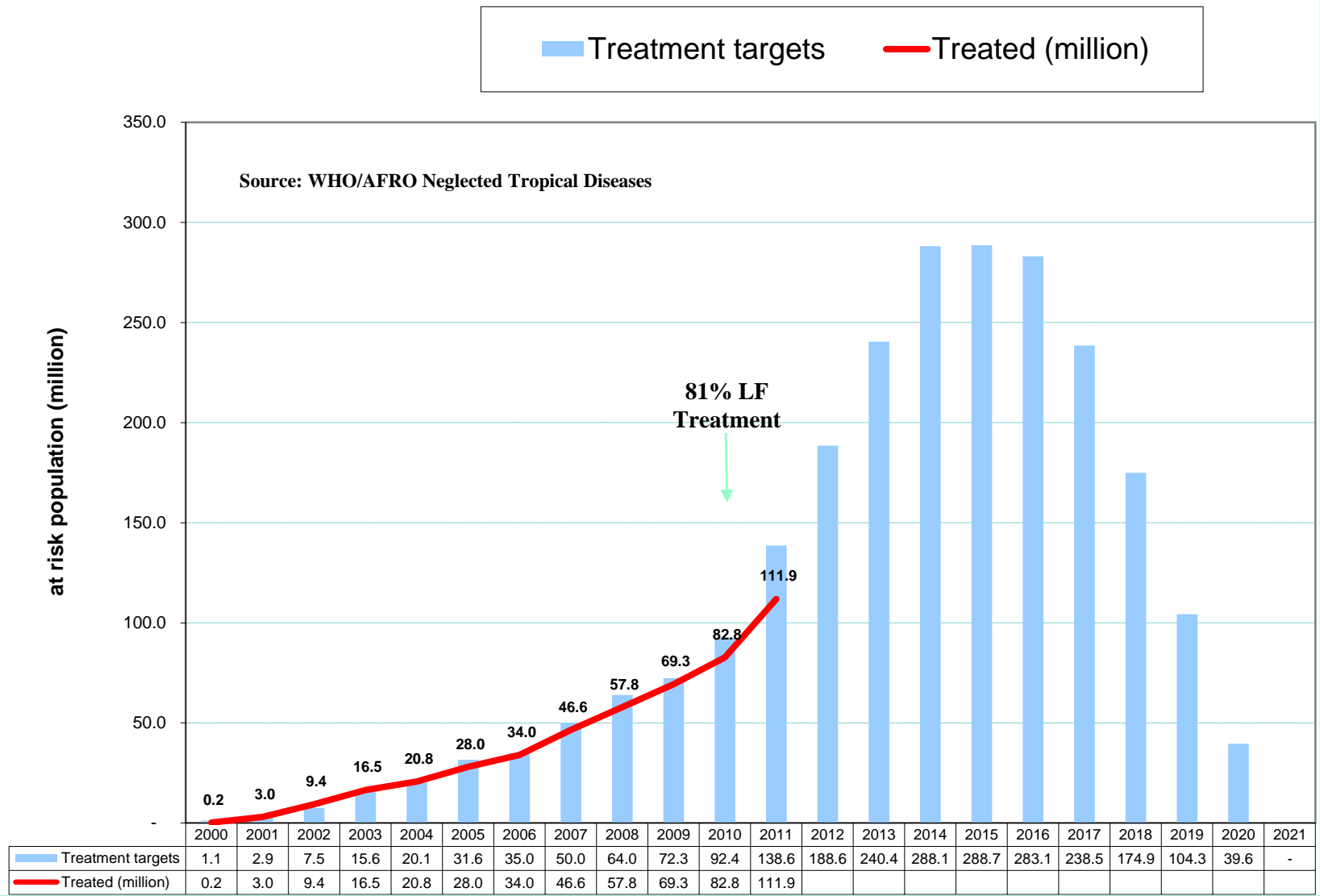
# M & E commonalities

- Both diseases need better diagnostics for M&E
  - Parasitological investigations. Night blood and skin snips ARE NOT POPULAR
  - Existing serological test are not ideal
  - Need for human and laboratory capacity building to carry out entomological and parasitological surveys
  - Existing methods of M&E are costly

# Common challenges

# Common challenges 1

## Scaling up



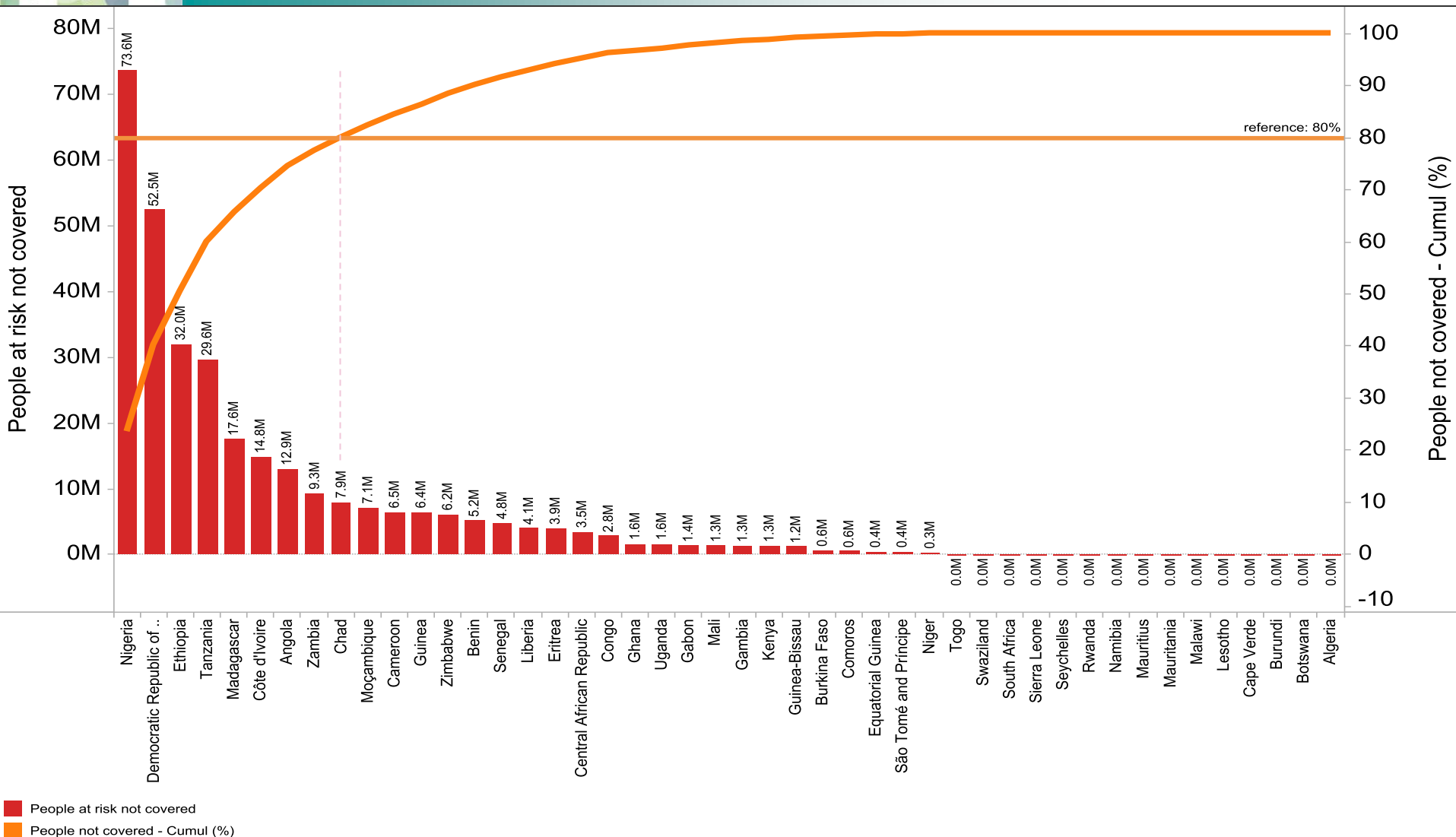
# 18 million people in areas where nodule prevalence is between 5 and 15%

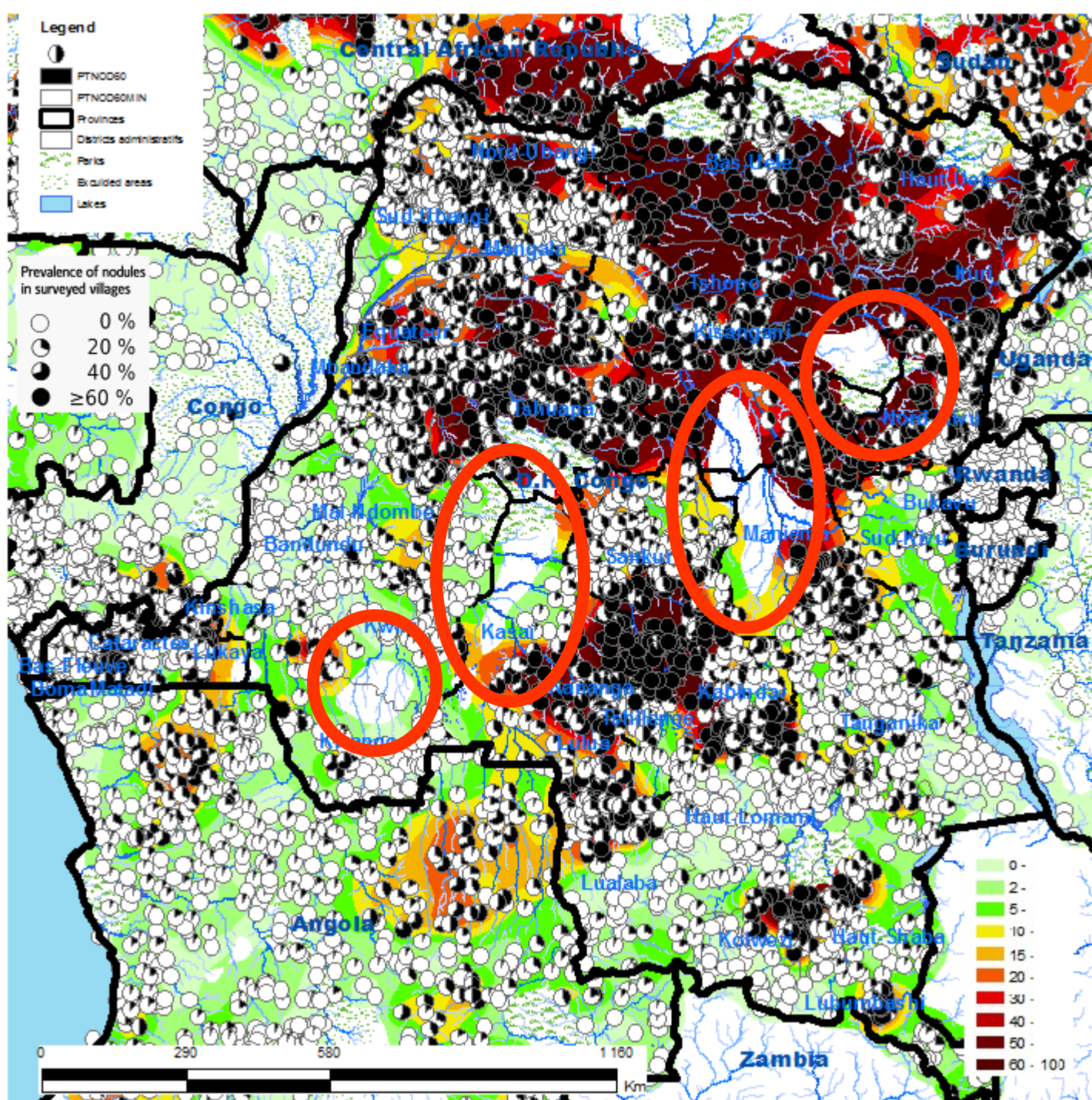
| Country                                | Projected<br>oncho status<br>by 2020 | Current APOC projects |                   | Areas to which CDTi may need to be extended<br>to ensure national elimination by 2020 * |                  |                     |                   |
|--|--------------------------------------|-----------------------|-------------------|---|------------------|---------------------|-------------------|
|  |                                      | Area (km2)            | Population        | Prev. nodules 10-15%  |                  | Prev. nodules 5-10% |                   |
|  |                                      |                       |                   | Area (km2)  | Population       | Area (km2)          | Population        |
| Angola                                 | Elimination                          | 376,350               | 950,346           | 54,616  | 137,914          | 136,570             | 344,863           |
| Burundi                                | Elimination                          | 4,373                 | 1,406,983         | 687   | 221,131          | 2,738               | 881,019           |
| Cameroon                               | Elimination                          | 273,310               | 6,473,620         | 14,447  | 342,201          | 47,620              | 1,127,917         |
| Chad                                   | Elimination                          | 138,946               | 1,871,174         | 303   | 4,074            | 1,350               | 18,185            |
| Congo                                  | Elimination                          | 25,049                | 759,199           | 1,621   | 49,141           | 12,147              | 368,158           |
| Ethiopia                               | Elimination                          | 150,894               | 7,644,144         | 32,507  | 1,646,753        | 48,494              | 2,456,674         |
| Malawi                                 | Elimination                          | 8,455                 | 1,978,306         | 2,520   | 589,698          | 5,025               | 1,175,716         |
| Mozambique                             | Elimination                          | 0                     | 0                 | 1,260   | 22,623           | 4,554               | 81,798            |
| Nigeria                                | Elimination                          | 558,409               | 33,283,450        | 27,148  | 1,618,105        | 86,539              | 5,158,089         |
| Tanzania                               | Elimination                          | 98,257                | 2,207,132         | 12,004  | 269,654          | 40,151              | 901,917           |
| Uganda                                 | Elimination                          | 36,056                | 3,248,975         | 3,827   | 344,872          | 11,284              | 1,016,845         |
| Eq. Guinea                             | Partial elim**                       | 2,017                 | 80,206            |   |                  |                     |                   |
| <b>Subtotal</b>                        |                                      | <b>1,670,099</b>      | <b>59,823,329</b> |   |                  |                     |                   |
| CAR                                    | Control                              | 351,559               | 1,408,824         |   |                  |                     |                   |
| Sudan                                  | Control                              | 400,192               | 6,050,381         |   |                  |                     |                   |
| DRC                                    | Control                              | 1,302,855             | 27,137,104        |   |                  |                     |                   |
| <b>Total</b>                           |                                      | <b>3,724,705</b>      | <b>94,419,638</b> | <b>150,940</b>  | <b>5,246,166</b> | <b>396,475</b>      | <b>13,531,180</b> |
| <i>% of total for current projects</i> |                                      |                       |                   | <i>4.1%</i>   | <i>5.6%</i>      | <i>10.6%</i>        | <i>14.3%</i>      |

\* subject to surveys to establish exact treatment boundaries

\*\* elimination on Bioko island only. No CDTi on mainland because of loiasis

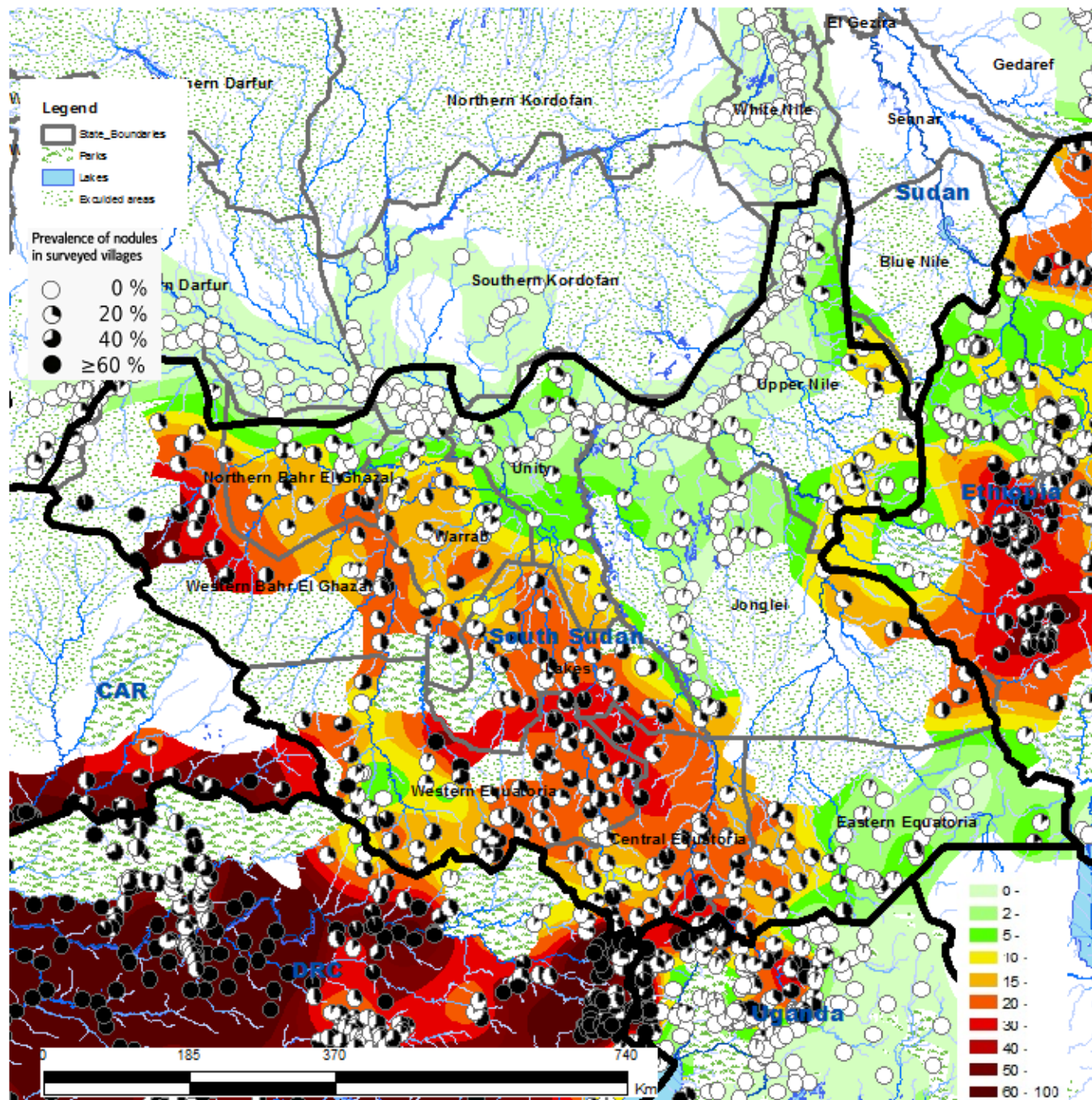
# ‘Big 4’ countries account for 60%, 9 Countries account for 80% of people not covered by LF treatment





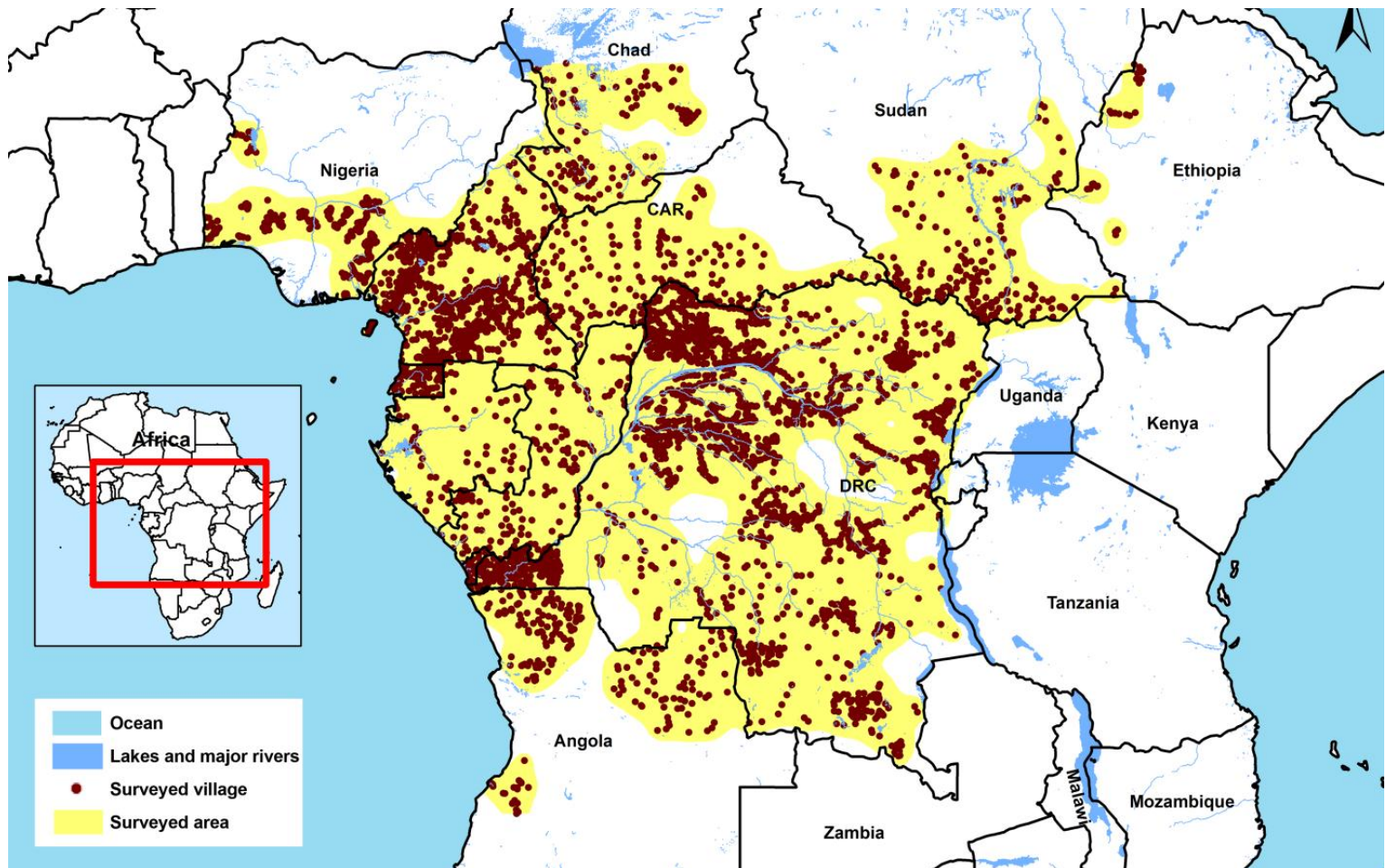
## 2.

# M a p p i n g



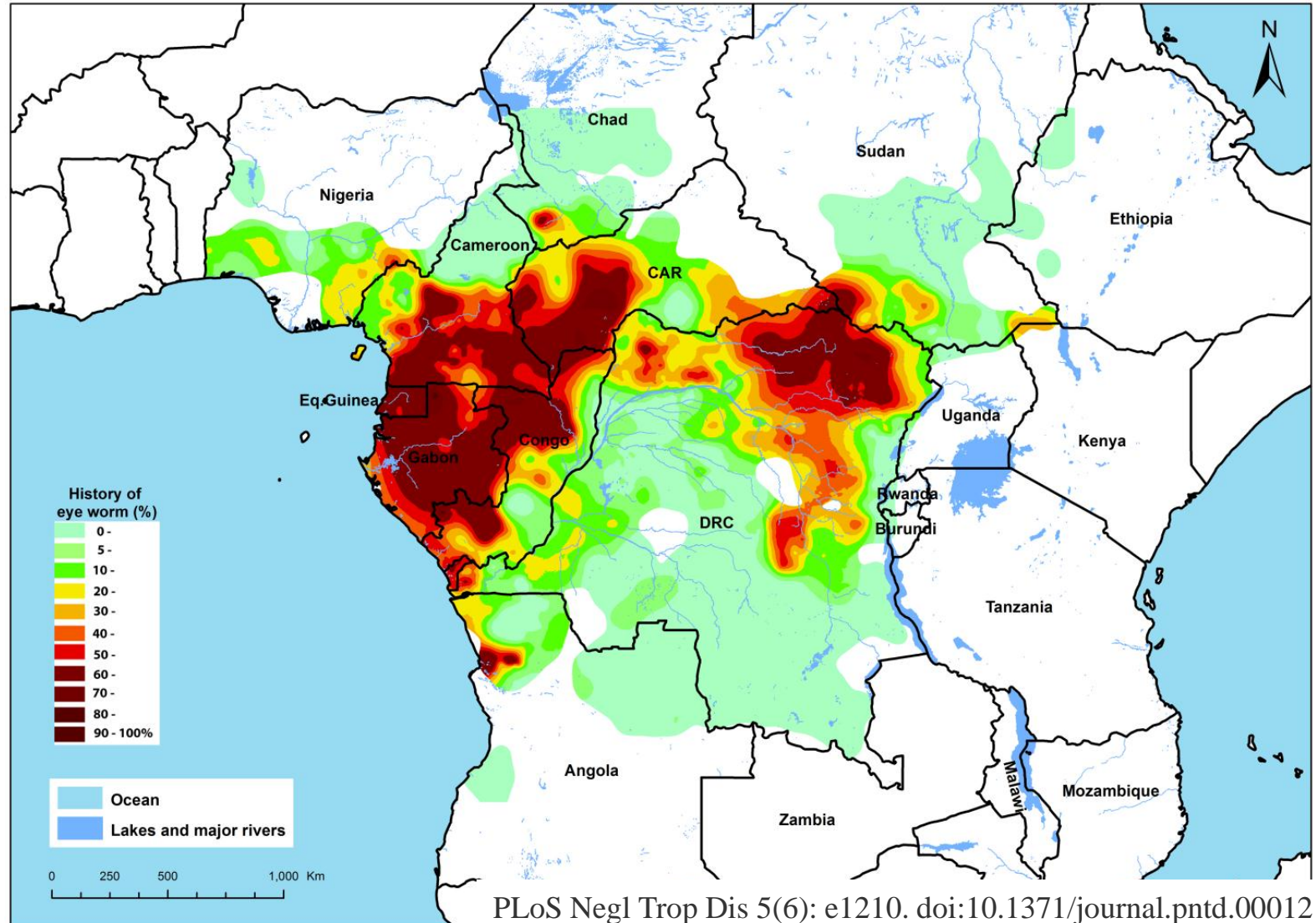
### 3. Cross border issues

# Common challenges 4 *Loa loa*



Zouré HGM, Wanji S, Noma M, Amazigo UV, Diggle PJ, et al. (2011) The Geographic Distribution of *Loa loa* in Africa: Results of Large-Scale Implementation of the Rapid Assessment Procedure for Loiasis (RAPLOA). PLoS Negl Trop Dis 5(6): e1210. doi:10.1371/journal.pntd.0001210

# Where are the co-endemic areas? RAPLOA results



# Population at risk

| Country            | Rural<br>population<br>(×1000) | Area country<br>(km2) | Area mapped<br>(km2) | %<br>mapped | Rural<br>population<br>in mapped<br>area<br>(×1000) | Percentage of mapped area<br>by Prevalence of eye worm |              |               |              | Rural population (×1000) by<br>Prevalence of eye worm |               |               |               |
|--------------------|--------------------------------|-----------------------|----------------------|-------------|---|--|--------------|---------------|--------------|---|---------------|---------------|---------------|
|                    |                                |                       |                      |             |   | 0%–<br>4.9%  | 5%–<br>19.9% | 20%–<br>39.9% | 40%–<br>100% | 0%–4.9%   | 5%–<br>19.9%  | 20%–<br>39.9% | 40%–<br>100%  |
| Angola             | 7 881                          | 1 252 421             | 427 714              | 34%         | 2 691   | 66,6   | 20,9         | 6,8           | 5,7          | 1 792   | 563           | 183           | 153           |
| Cameroon           | 8 303                          | 466 307               | 451 857              | 97%         | 8 046   | 27,8   | 11,2         | 10,9          | 50,2         | 2 234   | 900           | 873           | 4 038         |
| CAR                | 2 751                          | 621 499               | 445 381              | 72%         | 1 971   | 4,8  | 20,8         | 29,1          | 45,3         | 95  | 410           | 573           | 893           |
| Chad               | 8 328                          | 1 168 002             | 326 493              | 28%         | 2 328   | 80,0   | 11,9         | 6,0           | 2,1          | 1 862   | 276           | 141           | 49            |
| Congo              | 1 424                          | 345 430               | 344 685              | 100%        | 1 421   | 3,5  | 21,2         | 22,8          | 52,5         | 497   | 301           | 324           | 746           |
| DRC                | 43 940                         | 2 337 027             | 2 215 074            | 95%         | 41 647  | 43,3   | 22,8         | 16,2          | 17,7         | 18 017  | 9 510         | 6 743         | 7 377         |
| Eq. Guinea         | 418                            | 27 085                | 26 950               | 99%         | 416   | 0,0  | 0,0          | 7,6           | 92,4         | 0   | 0             | 31            | 384           |
| Ethiopia           | 70 818                         | 1 132 328             | 82 460               | 7%          | 5 157   | 100,0  | 0,0          | 0,0           | 0,0          | 5 157   | 0             | 0             | 0             |
| Gabon              | 210                            | 261 689               | 260 764              | 100%        | 209   | 0,0  | 0,1          | 2,6           | 97,3         | 0   | 0             | 6             | 204           |
| Nigeria            | 79 441                         | 912 039               | 278 233              | 31%         | 24 235  | 20,6   | 54,8         | 23,5          | 1,0          | 4 997   | 13 281        | 5 703         | 254           |
| Sudan              | 25 871                         | 2 490 410             | 511 017              | 21%         | 5 309   | 64,3   | 18,4         | 12,4          | 4,8          | 3 416   | 977           | 658           | 257           |
| <b>Grand Total</b> | <b>249 385</b>                 | <b>11 014 237</b>     | <b>5 370 628</b>     |             | <b>93 430</b>                                       | <b>40%</b>   | <b>20%</b>   | <b>15%</b>    | <b>25%</b>   | <b>37 621</b>   | <b>26 218</b> | <b>15 235</b> | <b>14 357</b> |

# MEC TCC guidelines

## **Recommendations for the treatment of Onchocerciasis with Mectizan® in areas co-endemic for Onchocerciasis and Loiasis**

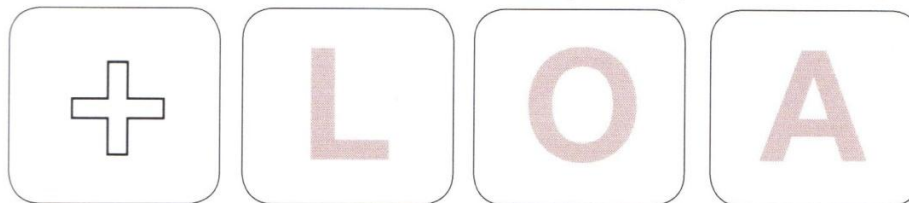
**The Mectizan® Expert Committee  
and  
The Technical Consultative Committee**

PROVISIONAL STRATEGY FOR  
INTERRUPTING **LYMPHATIC FILARIASIS**  
TRANSMISSION IN LOIASIS-ENDEMIC  
COUNTRIES

REPORT OF THE MEETING ON  
LYMPHATIC FILARIASIS, MALARIA AND  
INTEGRATED VECTOR MANAGEMENT

# LYMPHATIC FILARIASIS

ACCRA, GHANA, 5–9 MARCH 2012



**World Health  
Organization**

# Conclusions

## Co-implementation

### Opportunities for synergy (LF/oncho)

- Integrated mapping
- Joint implementation of training
- Joint implementation of MDA (combined treatment registers, simultaneous drug administration)
- Joint Monitoring and reporting
- Joint epidemiological evaluations

# Conclusions

- I am not advocating for exploiting the synergies in two programmes
- I advocate for one programme in Africa

**Thank you**

