

**Together we can do more:  
Education, Community and  
Medical services**

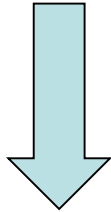
[www.cbm.org](http://www.cbm.org)

Coalition for Global Hearing Health Conference, Pretoria

## The facts (deaf/ hard of hearing / deafblind):

- 50% of causes of ear disease preventable;
- Lack of access to education is a major barrier
- It costs as little as £30 to provide someone with a hearing aid, yet the current global production of hearing aids meets less than 10% of the global need
- Education empowers people and opens new opportunities, yet over **90% of children with disabilities in developing countries do not attend school**
- **How do meet this challenge?**

## Identification: North

- **Medical services - based in the health sector:**
  - Neonatal screening
  - Referrals from GP to ENT and Audiology
- 
- Multi-disciplinary team including TOD; Speech and Language; parents; deaf community
  - Referrals to other services as required
    - **Medical and educational sector collaborate**

## Identification: South

- Varies according to country / region
- Medical (very few)
- CBR
- Schools for the Deaf / Educational services
- Limited access to qualified personnel due to:
  - Lack of personnel / go into private practice
  - Distance to specialist centres
  - Lack of awareness
  - Referral processes not in place.
- Collaboration rare
- **There are nonetheless examples of promising practice**

# Services Ear, Hearing Care and Education (Primary and Secondary):

- Schools for the deaf / community based rehabilitation / educational services including:
  - Community ear and hearing care awareness programmes
  - Ear screening camps
- Also:
  - Provide hearing aid and related services
  - Training in ear and hearing care
  - Educational services and support

# Tertiary Services

Tertiary ear care services are often:

- Centre based (hospitals)
- Tertiary services are limited as the number of ENT and other related professionals are few.  
**Healthcare practitioners do what they can**  
(Shine & Prescott, 2008)
- **Where do the people go?**



# Case Study: Papua New Guinea

- **1990-2012** – Health; Education and Re/habilitation





- 6.8 million people (approx. World Bank 2012)
- Over 750 languages
- Mainly rural – 87%
- Rich in mineral resources - 1/3 live below poverty line





# Callan Services for Disabled Persons



- Started 1990
- St. Benedict's Teachers' College
- **Focus on hearing impairment**
- **1/3 school drop out**
- 40-67% fail ear-screening (Tesni '91; Buzolic '96;)
- 48-56% hearing loss (Buzolic '96; Ponifasio '95; Grant '96)



# Challenges:

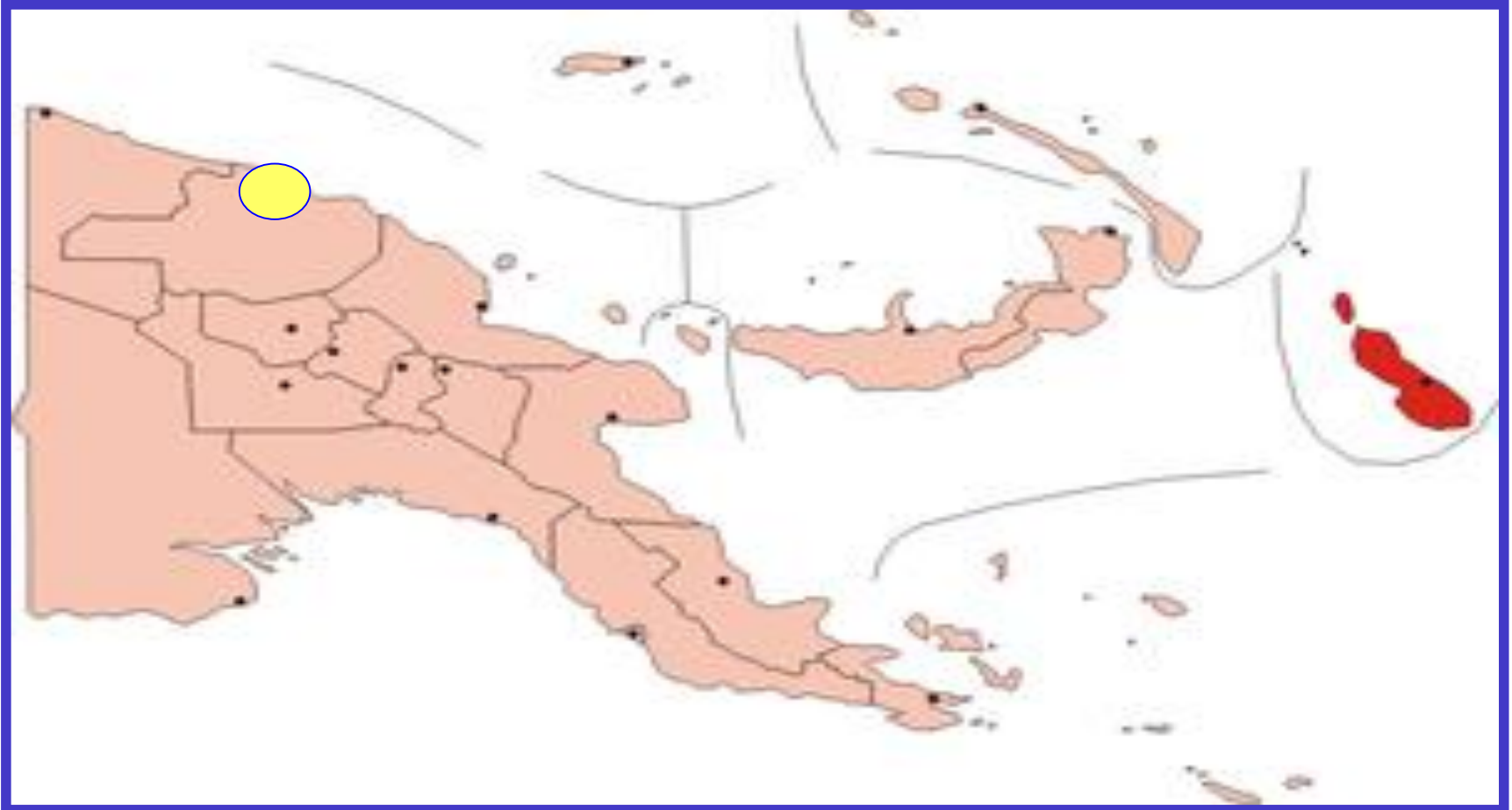


# 1990-1994

- Inclusive Pre-School
- Ear and Eye Care Programmes
- Early Detection and Early Intervention
- RESES 1993
- All pre-service teachers sensitised
- **1994 Government Policy IE (employment of teachers and nurses through SERCs)**

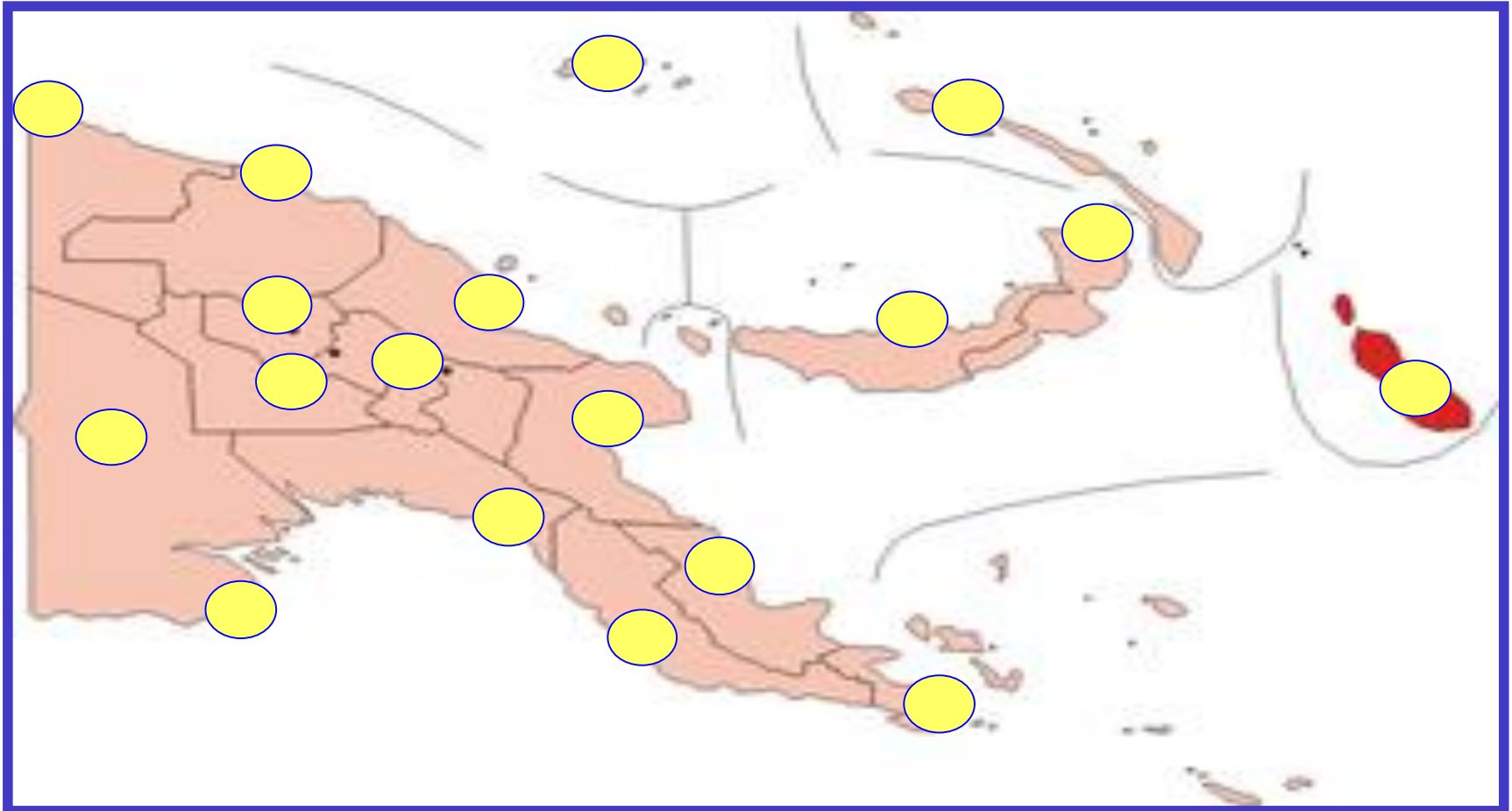


# Callan 1990. All positions supported by CBM





# Callan Services for Disabled Persons goes national in partnership with the Government!



- **NSE Plan 2004-08 -2015:** Inclusion strengthened
- **National Health Plan 2001-2010:** recognition of challenge in reaching rural areas.

# Callan Hearing Project (Light for the World and EU 2007-11)

- **Aim: Ear screening in schools and communities within 13 (21) Provinces:**
- **1 Co-ordinator**
- **4 Regional Co-ordinators**
  - Provincial Education Promoter (PEP) - 13
  - Provincial Health Promoter (PHP) – 13
  - Deaf Education Resource Unit (DERU)
    - TOD (20)
    - Deaf Assistant (20)
  - Specialist equipment and training provided

# Results of phase 1:



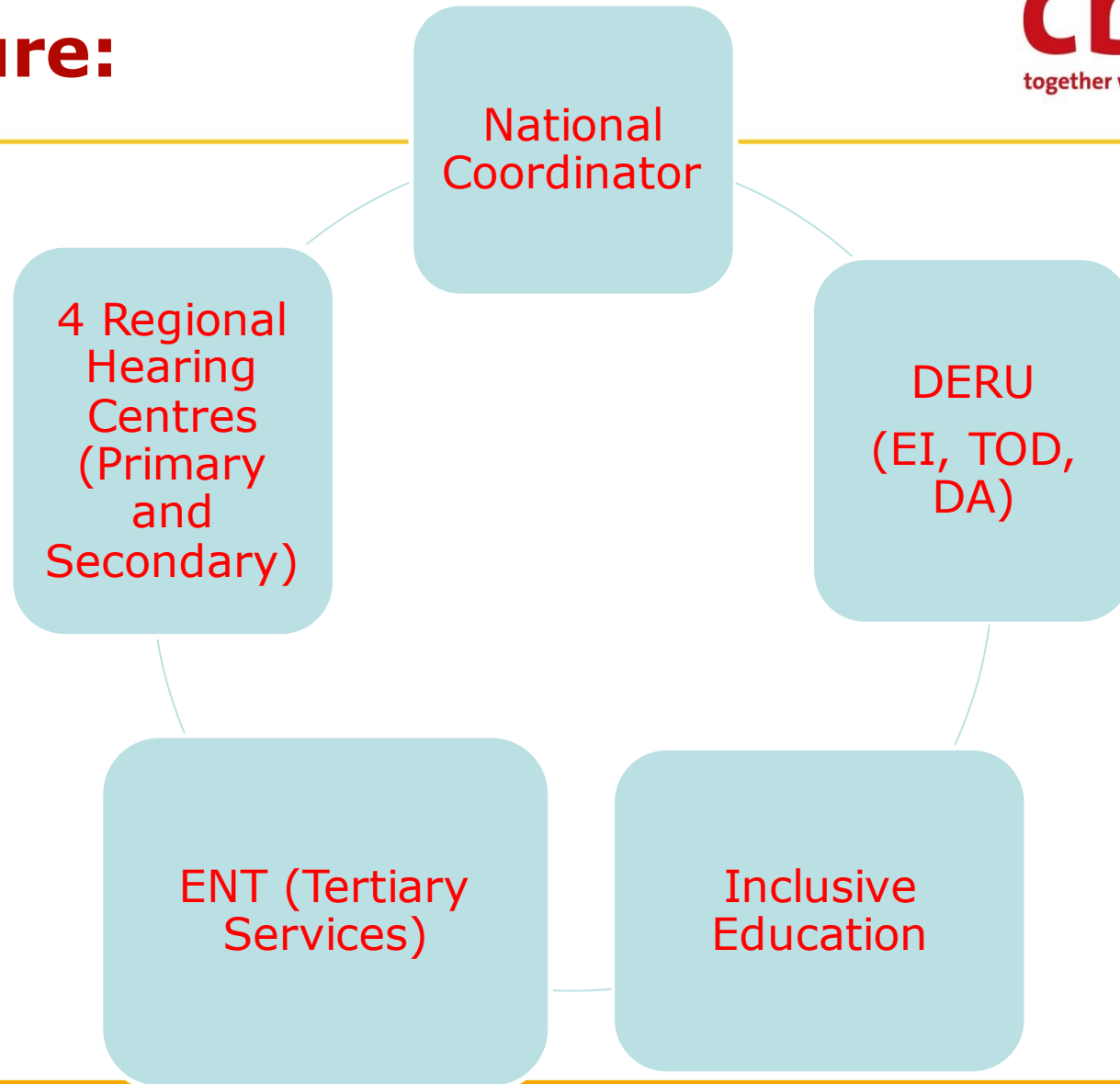
- 300 DERU / IE
- 932 schools visited for screening
- 72,000 pupils screened
- 6,000 teachers and nurses
- 7,600 communities
- 800 + secondary / tertiary intervention



## Phase 2:

- Expertise in Audiology - Secondary level workers (health and education)
- Collaboration with Health Department (4 ENT Specialists and registrars)
- All PHPs and PEPs employed through NSEU / Catholic Health Service
- Development of a new cadre – DA; Aud. Tech
- Sign Language research and development
- 4 Regional Ear and Hearing Clinics (Secondary); partially private
- **Sustainability built in!!**

# The future:





**Medical, Re/habilitation  
and Education**

**Together we can do  
more!!**