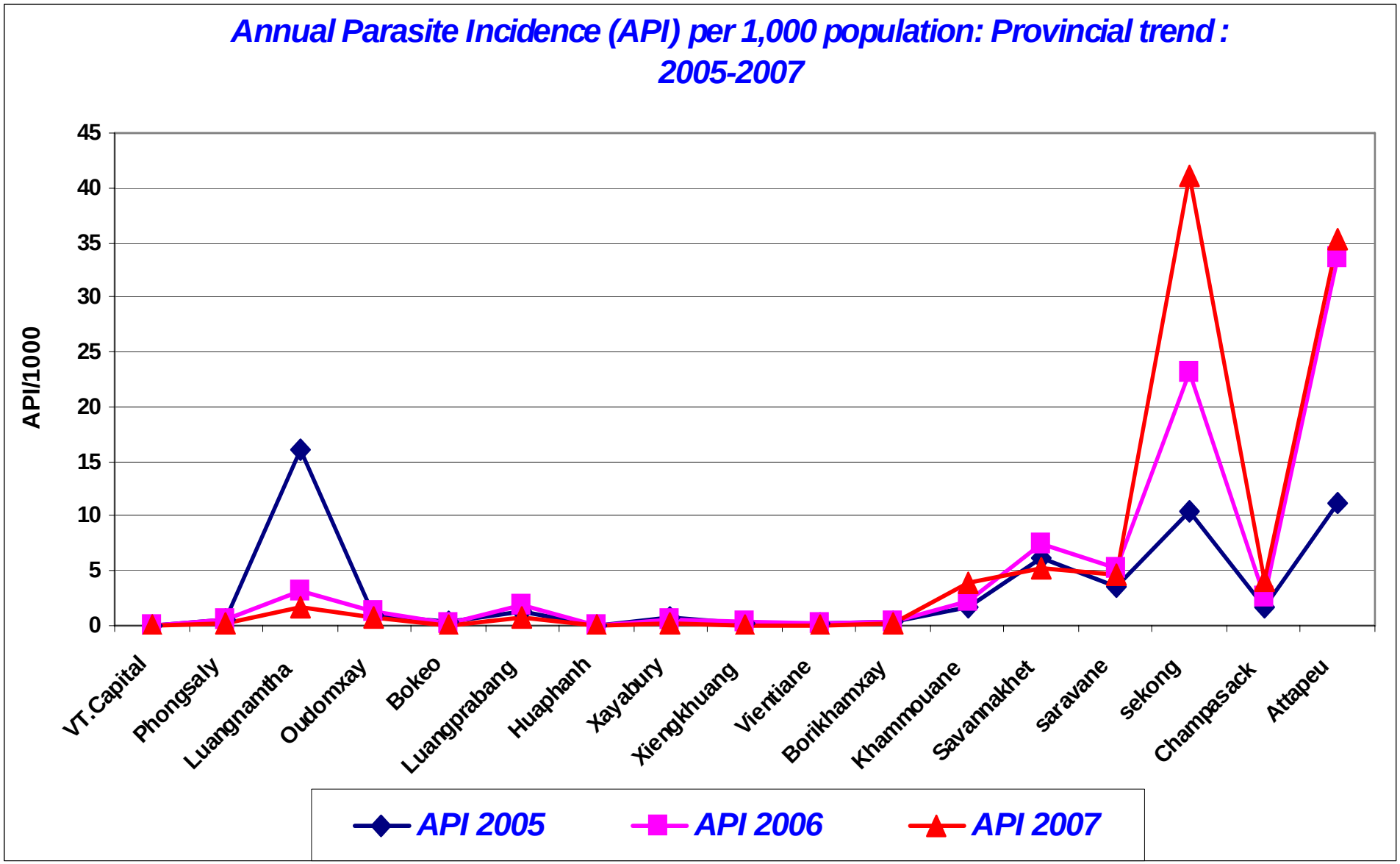
Malaria control in Lao PDR : progress report update 2009 Vientiane Capital 16-18th March 2008

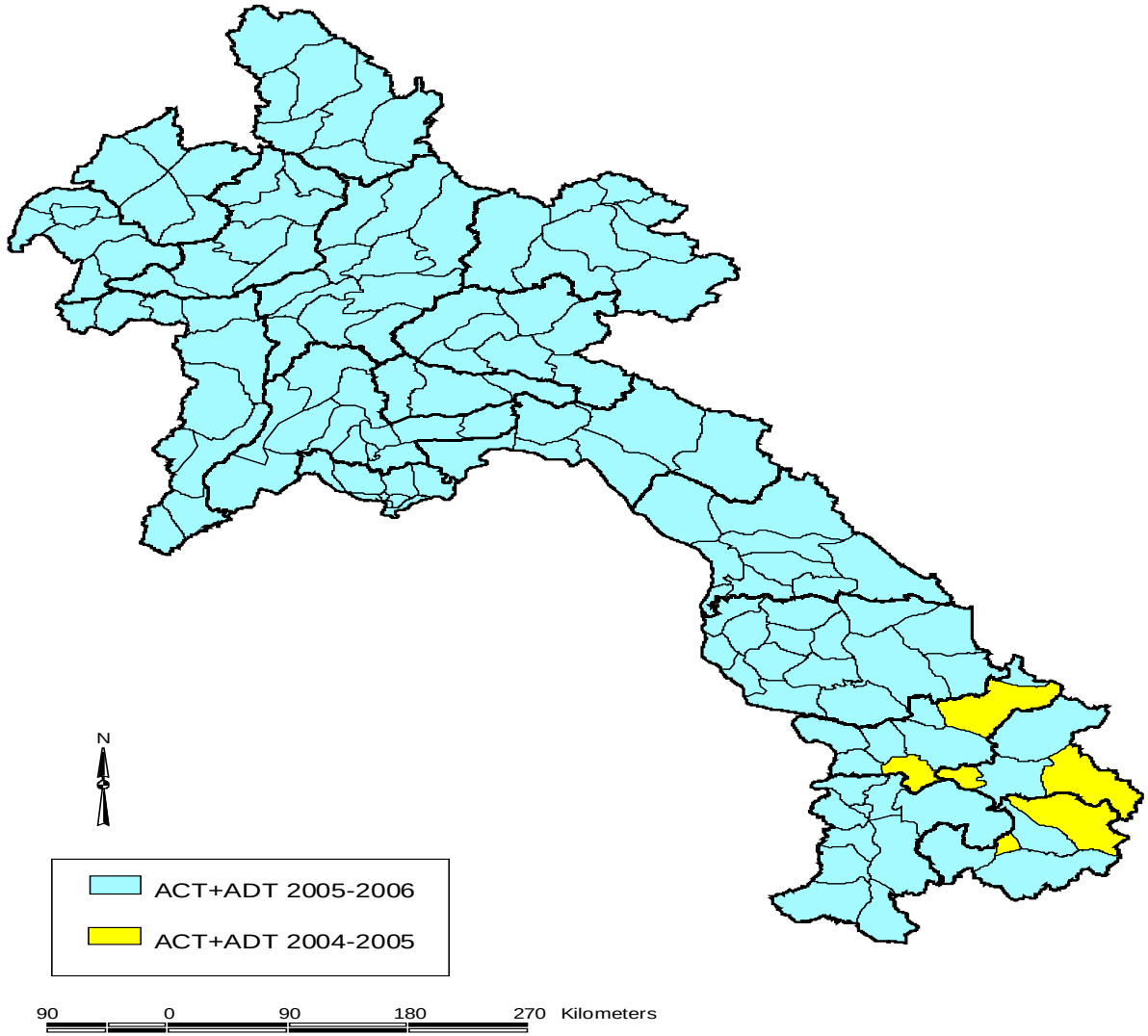
by Dr Samlane Phompida, Director Centre of Malariology Parasitology and Entomology

objectives

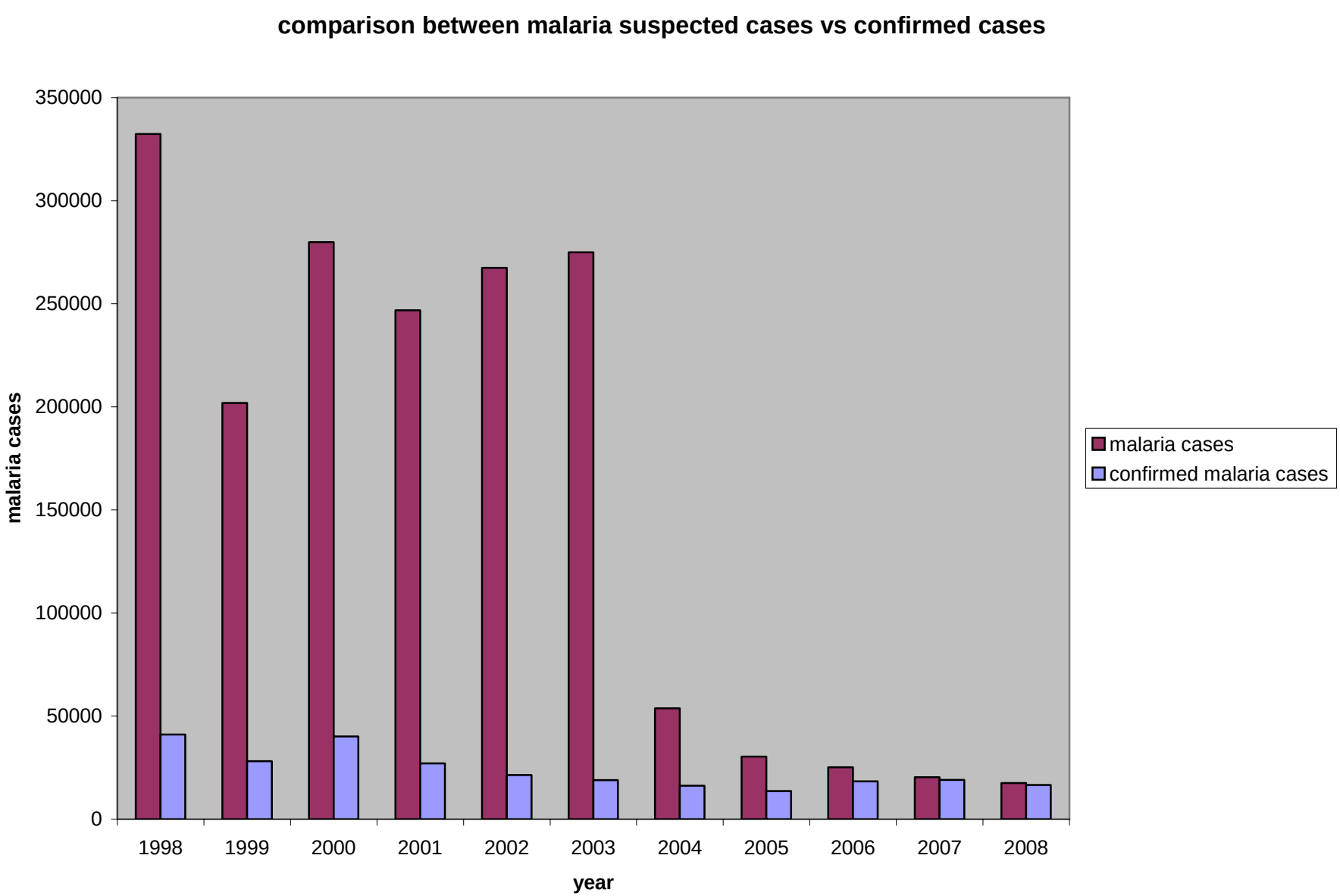
- To reduce malaria mortality by 80%
- To reduce malaria morbidity by 80%
- To protect 3.6 Mio under ITN/LLN
- To expand EDAT until the grass root village level
- Re-stratification of malaria control to adjust malaria strategies and interventions


Annual Parasite Incidence (API) per 1,000 population: Provincial trend : 2005-2007
API/1000
45
40
35
30
25
20
15
10
5
0
VT.Capital
Phongsaly
Luangnamtha
Oudomxay
Bokeo
Luangprabang
Huaphanh
Xayabury
Xiengkhuang
Vientiane
Borikhamxay
Khammouane
Savannakhet
saravane
sekong
Champasack
Attapeu
API 2005
API 2006
API 2007

ACT/RDT coverage

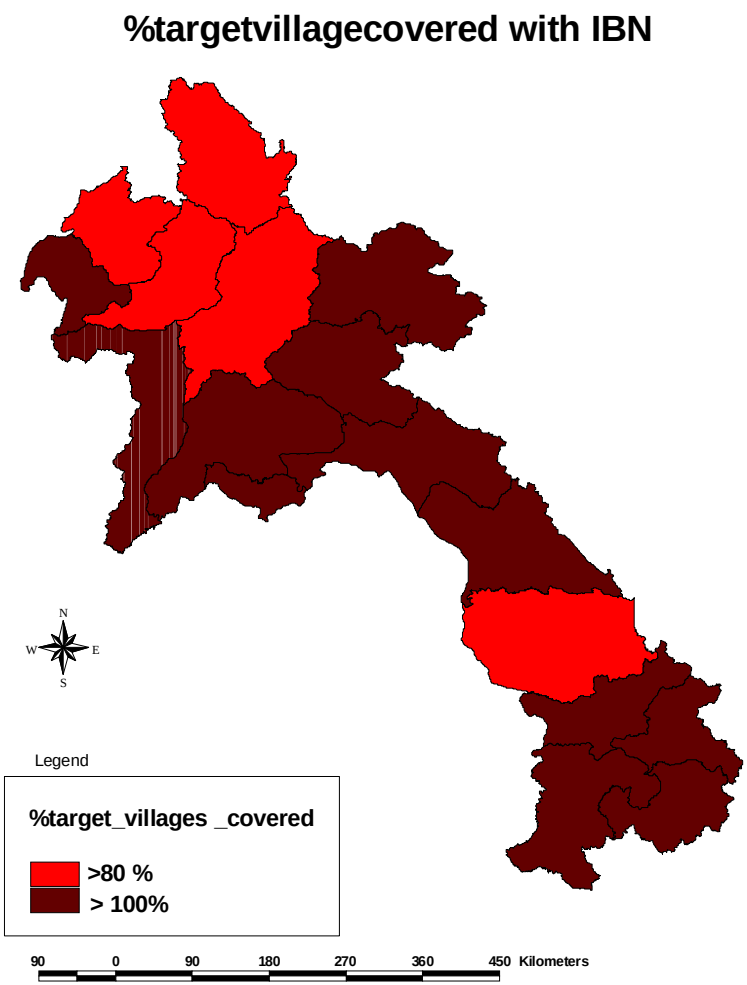


update 2008



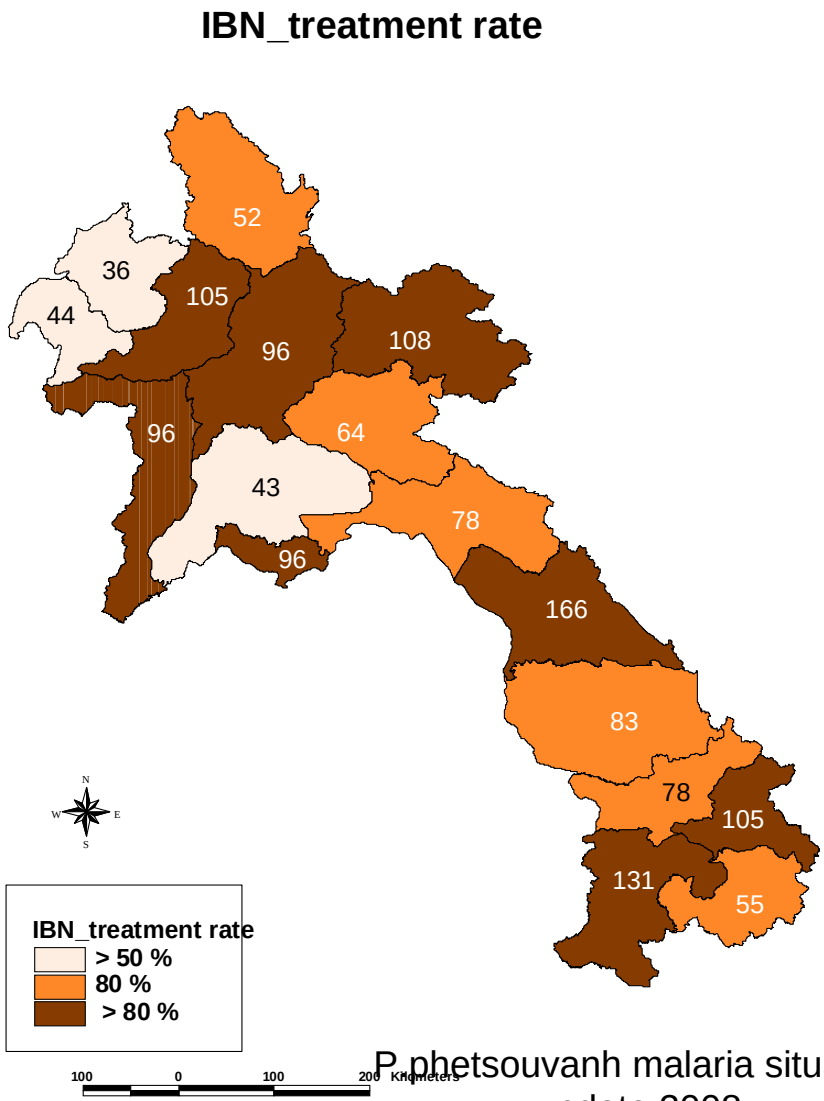
P.phetsouvanh malaria situation
update 2008

Villages under ITN in 2008



P.phetsouvanh malaria situation update 2008

ITN treatment rate in 2008



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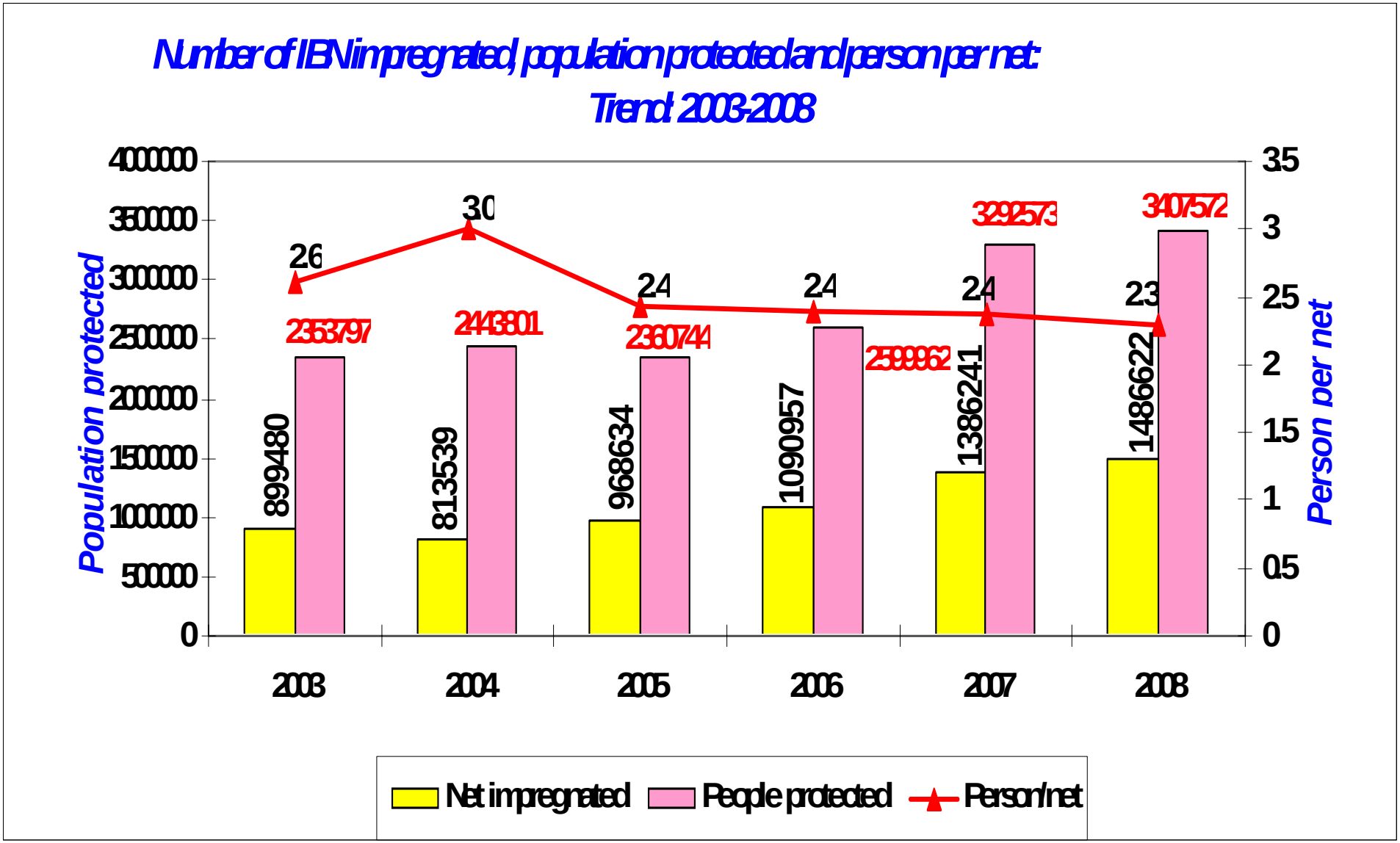
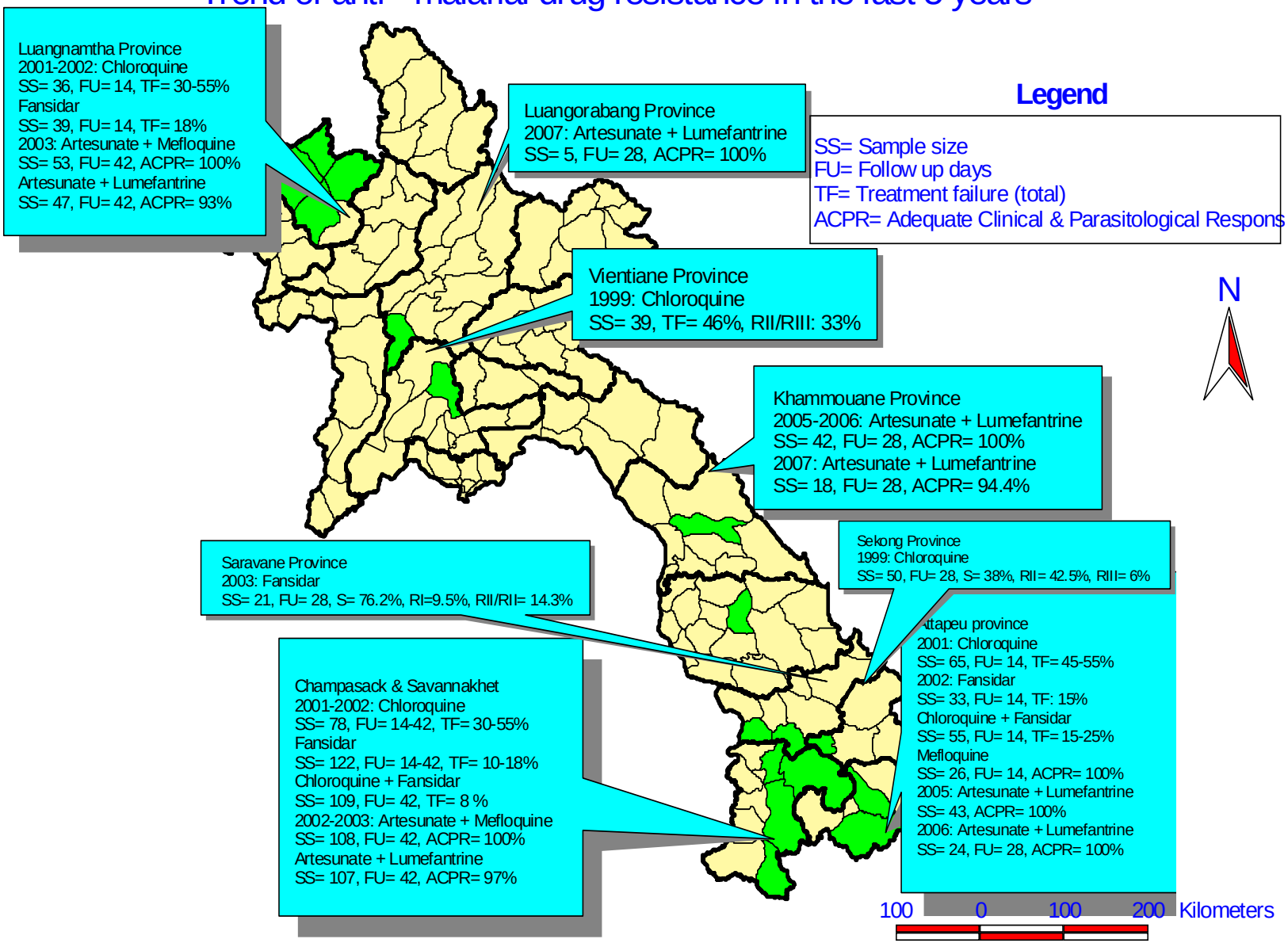

Number of IEN impregnated, population protected and person per net: Trend 2003-2008
Population protected
Person per net
400000
350000
300000
250000
200000
150000
100000
50000
0
35
3
25
2
15
1
05
0
26
30
24
24
24
23
899480
813539
968634
1090957
1386241
1486622
235797
244380
236074
259962
329257
340757
2003
2004
2005
2006
2007
2008
Net impregnated
People protected
Person/net

Trend of anti - malarial drug resistance in the last 5 years



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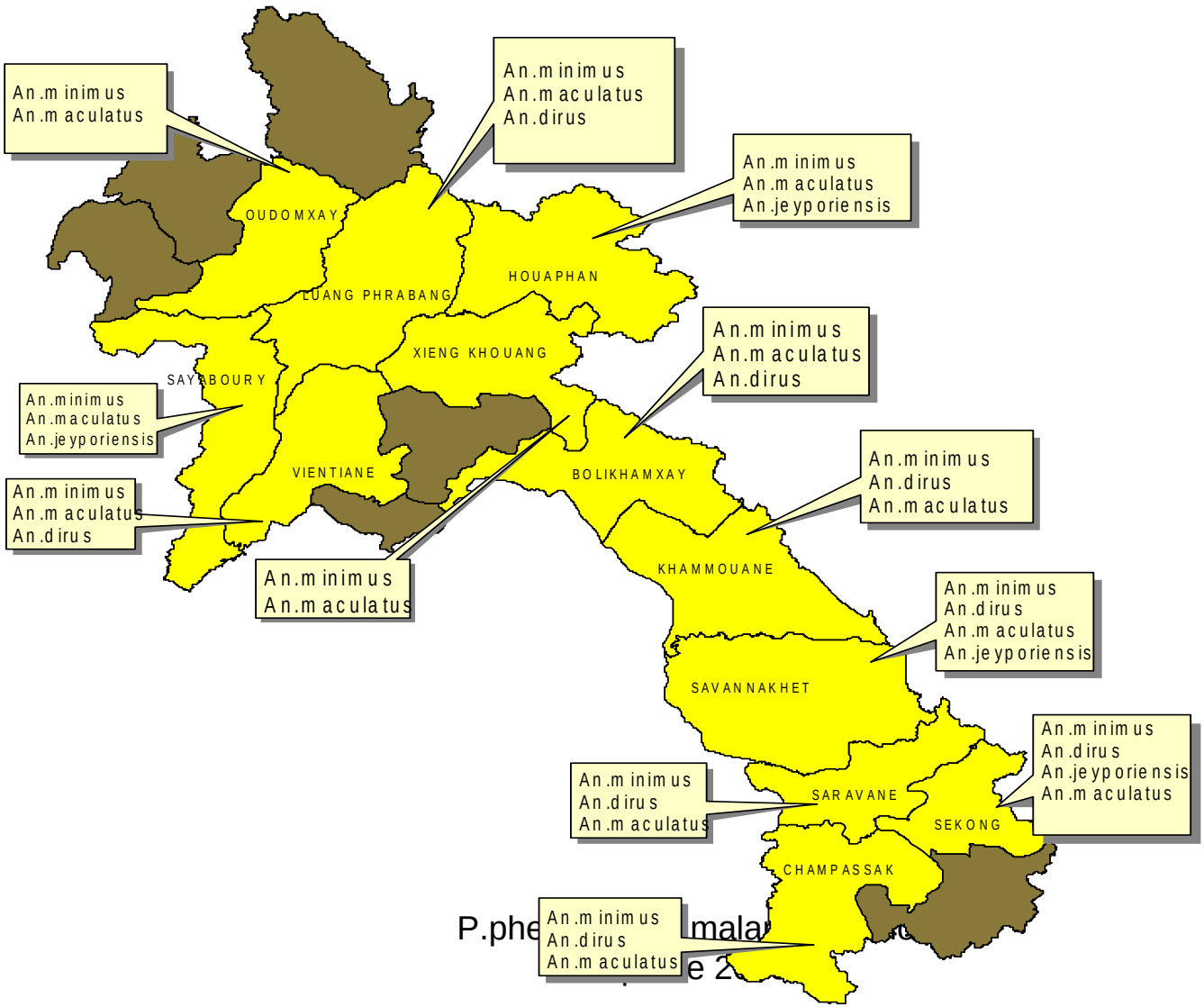
DISTRIBUTION OF MALARIA VECTORS



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No	SPECIES	STUDY SITE	MORTALITEIS IN BIOASSAYS WITH			
			PERMETHRIN 0.75%	DDT 4%	DELTAMETHRIN 0.05%	ALPHACYPERMATHRIN 30mg/m²
1	*An.jeyporiensis*	Done-May(Sing)	100	100	100	100
2	*An.maculatus* *An.minimus*	Huangkuang1(Long)	100 -	100 -	100 +	100 -
3	*An.jeyporiensis*	Pakkem (Kenethao)	-	100	100	100
4	*An.jeyporiensis* *An.maculatus*	Panekom(Xayabuly)	- 100	- -	100 100	100 -
5	*An.minimus*	Na-Yang (Nambar)	100	-	100	-
6	*An.muculatus*	Napho (Pakseng)	100	100	100	100
7	*An.vagus*	Kounephavan (Thakeek) Kounephavan	100 -	94.73 -	100 100	100 -
8	*An.vagus* *An.nivipes*	Thamlay(Xeybanfay) Thamlay(Xeybanfay)	100 -	100 -	100 100	- -
9	*An.nivipes*	Na-May(Bolykan)	-	-	-	100
10	*An.nivipes*	Nampa(Paksane)	100	100	100	100
11	*An.minimus*	Na-Ang (Fuang)	100	100	100	100
12	*An.nivipes*	Pakvane(Hilheup)	100	100	100	100
13	*An.dirus* *An.aconitus* *An.maculatus*	Toungnor(Thateng) Toungnor(Thateng) Toungnor(Thateng)	- 100 100	- 100 100	100 100 100	- 100 100
14	*An.dirus*	Phiamayfarm(Lamam)	100	100	100	100
15	*An.dirus*	Napho(Nong)				
16	*An.dirus*	Saloy(Xepone)	100	100	100	100
					-	

Achievements

- Malaria is not ranking in the top ten diseases reported by MoH
- Malaria network is expanded from central down to village
- A total of 3.4 Mio. People were protected under ITN
- 88,38% of uncomplicated Pf were tested and treated accordingly with RDT/CoArtem
- 95,51% of severe Pf received Artesunate inj.
- Malaria R4 was proposed for RCC.

New innovatives

- Initiation of PPM in 4 provinces of Laos (3 South and 1 North)
- Re-stratification of Malaria endemic areas with NIMPE, Vietnam
- Set up sentinel sites for malaria in 3 provinces(central, North and South)
- Bed net survey under plan
- Scaling up malaria control for EMG from 1 province to 5.
- Quality assurance of RDT and ACT

New innovatives(Cont')

- Set up QA on microscopy at 3 regional sites: North, Central and South
- Combat anti-malarial fake and substandard drug under collaboration with FDD
- Initialize motivation mechanism for VHV in working for malaria.
- Improve MIS and LIS at village, HC level, district and province level.

conclusions

- Malaria has been much reduced and is not among the 10 to be reported diseases of MoH
- New policies and strategy and intervention tools need to be revised as malaria drops
- Need for re-stratification of malaria endemic areas as soon as possible
- Concentrate all the efforts, budget and tools in high malaria endemic foci in the South of Laos
- Apply findings from new innovations to malaria implementation


KHOP CHAY
THANK YOU