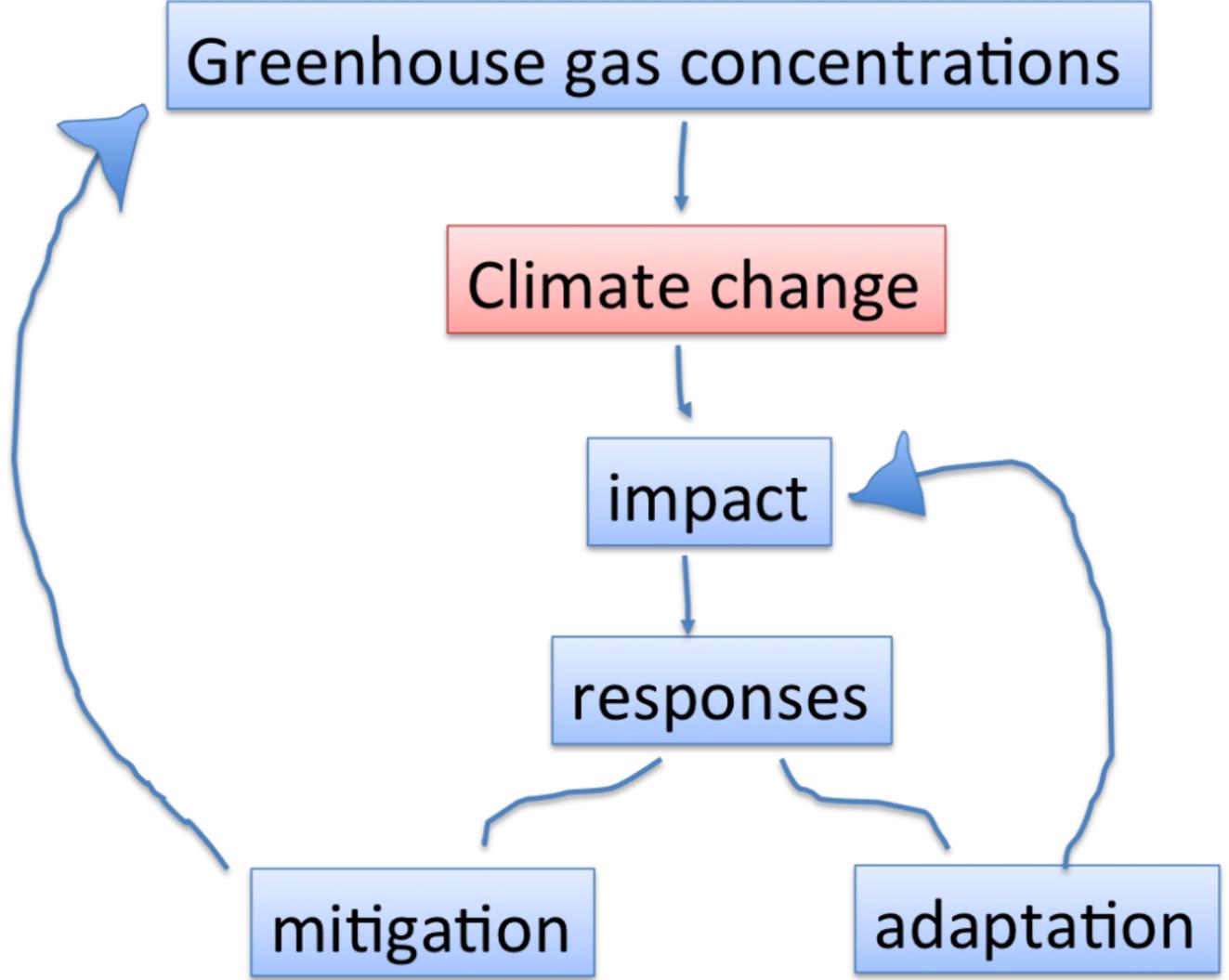


# Climate change & e-health: a strategy for health sector mitigation and adaptation



a brief situation in Indonesia



Diadaptasi dari Locatelli (2011)



# world's largest archipelago

- 17633 islands
- 238 Million population
- 50% under 30 yrs of age
- 33 provinces, 530 districts
- ~1700 hospitals
- ~9000 primary health centers

## Health decentralization

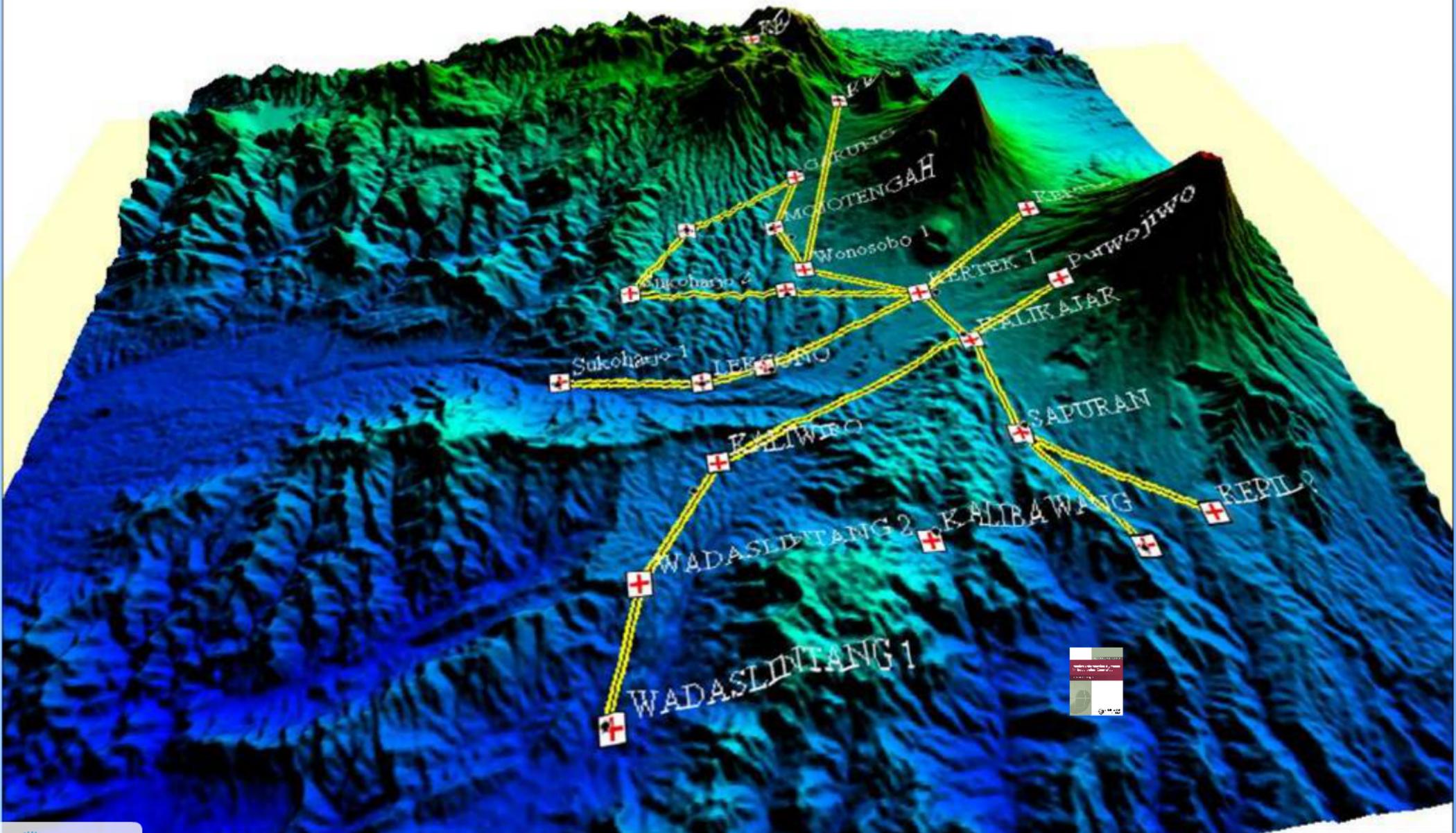


# **eHealth initiative in some districts and provincial level in Indonesia**

**eHealth initiative in  
some districts and  
provincial level in  
Indonesia**



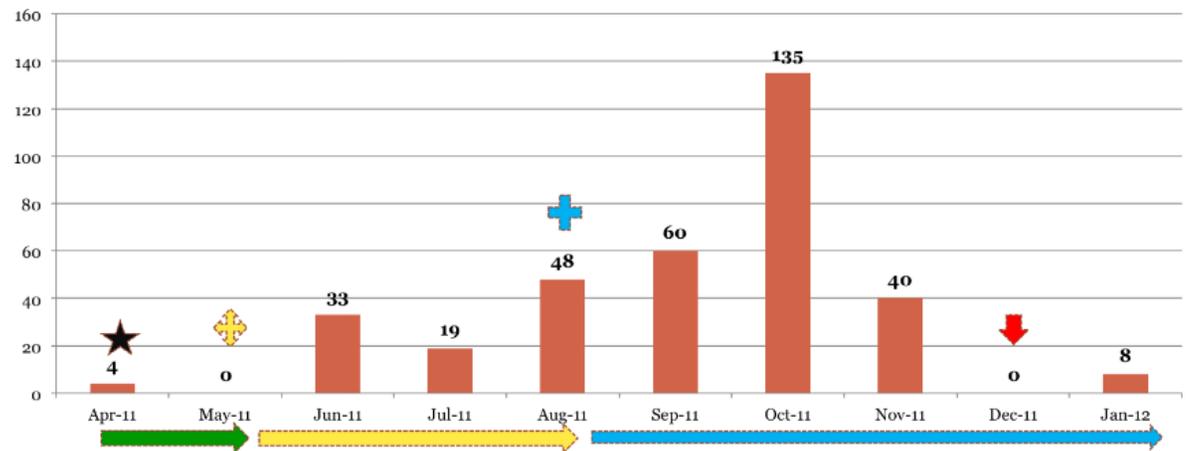
# interconnected primary health centers at Wonosobo District



# SMS-based Malaria surveillance system at Purworejo District

NO	NAMA	UMUR	NAMA KK	ALYAT		PARASIT	TACD/TEP
				BULUH	DESA		
1	09-09-2010					Cacaban kidul	Sukaduk
2	Umi Baroroh		40			Cacaban kidul	Purworejo
2	Kasroedin		60			Cacaban kidul	Silarangan
3	21-03-2010		39	Wali'ud	Rosyid	Cacaban kidul	Silarangan
3	Sunardi					Cacaban kidul	Silarangan
10	Kasriyah					Cacaban kidul	Silarangan
<b>APRIL 2010</b>							
1	5/4/2010		39	Silarangan		Cacaban kidul	
2	Miswan		90	Silarangan		Cacaban kidul	
<b>MAY 2010</b>							
1	11-7-2010					Guntur	
2	Solichah		30			Cacaban kidul	
<b>JUNI 2010</b>							
1	11-6-2010		30	Krajan		Kalwader	
2	24-6-10		21	Katang tengah		Guntur	
<b>JULI 2010</b>							
- NIHIL -							
<b>AGUSTUS 2010</b>							
- NIHIL -							

Jumlah Pemeriksaan Slide yang dilaporkan melalui sms per bulan

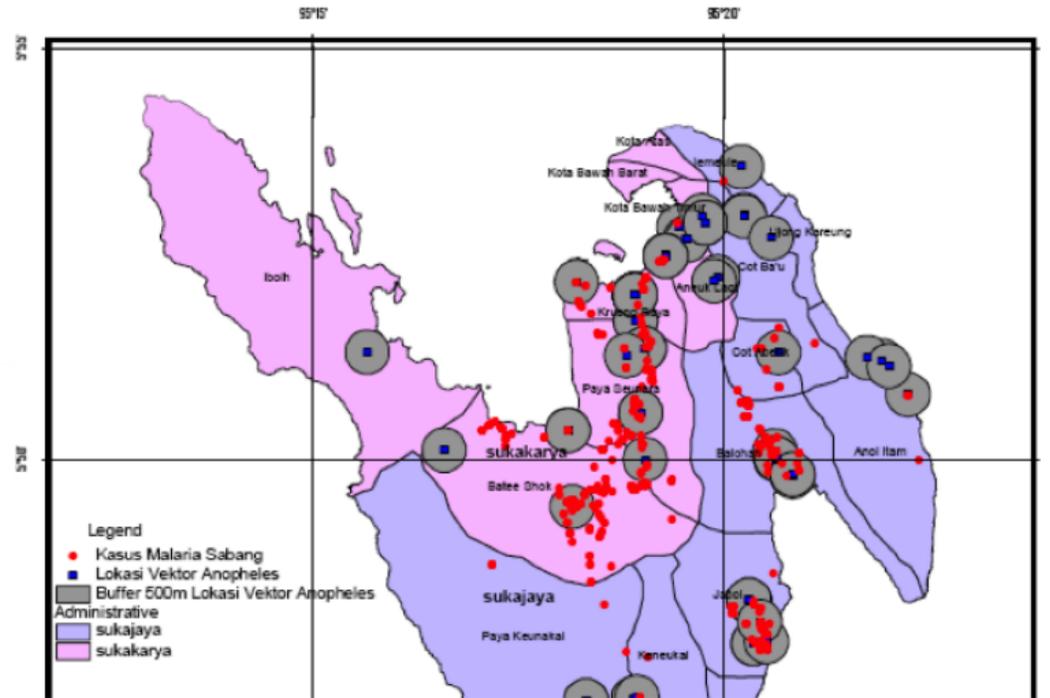
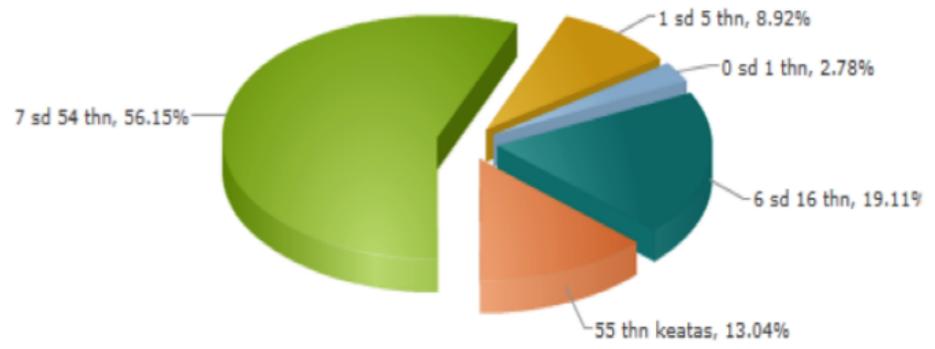


- ★ Pelatihan Awal dan Uji Coba
- ✚ Konfigurasi Server
- ✚ Pelatihan ulang dan Pemindehan Server
- ⬇ Server mati



- HOME
- MASUKAN DATA
- DATA SUSPECT MALARIA
- DATA FOLLOW UP
- DATA PE
- DATA IRS
- DATA PEMBAGIAN KELAMBU
- SURVEI ENTOMOLOGI
- CROSSCHECK
- DATA DASAR
- JUMLAH PENDUDUK
- FASILITAS KESEHATAN
- SPESES
- LAPORAN
- SUSPECT
- KASUS REKAP
- KASUS INDIVIDU
- IRS
- PEMBAGIAN KELAMBU
- GRAFIK
- PLASMODIUM
- KASUS PERDESA
- SURVEI 2009
- Survei Rumah Tangga
- Distribusi Perkelompok Umur
- Mobilitas Responden
- Kepemilikan Kelambu
- Kondisi Lingkungan Geografis

Distribusi Kelompok Umur  
Data Survei 2008



# Barometer Kesehatan Ibu dan Anak

Home About Contact Us

Tahun: 2007

## INDEKS

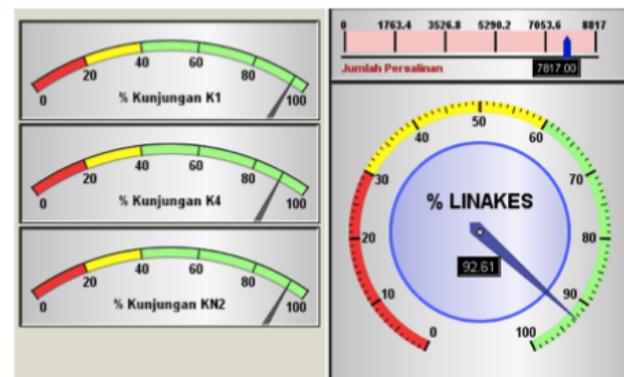
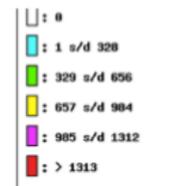
Indeks Kemahalan Konstruksi  
Indeks Kemiskinan Manusia  
Kapasitas Fiskal

## EPIDEMIOLOGI

Jumlah Ibu Hamil  
Jumlah Ibu Meninggal  
Linakes  
Jumlah Bayi  
Angka Kematian Bayi

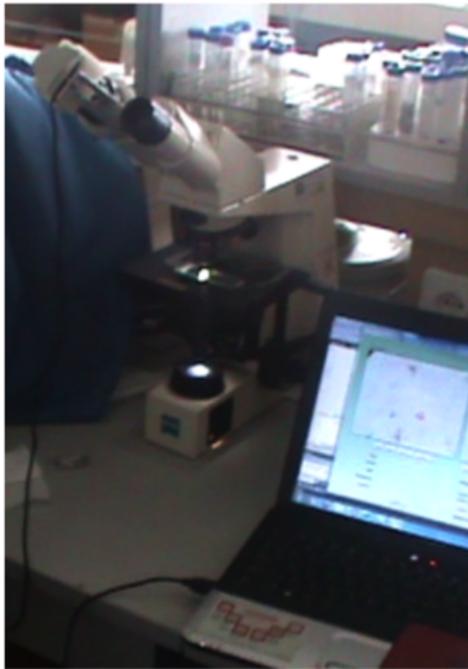
## FASILITAS DAN TENAGA KESEHATAN

Rumah Sakit Pemerintah  
Rumah Sakit Swasta  
Puskesmas  
Puskesmas Pembantu  
Bidan Desa

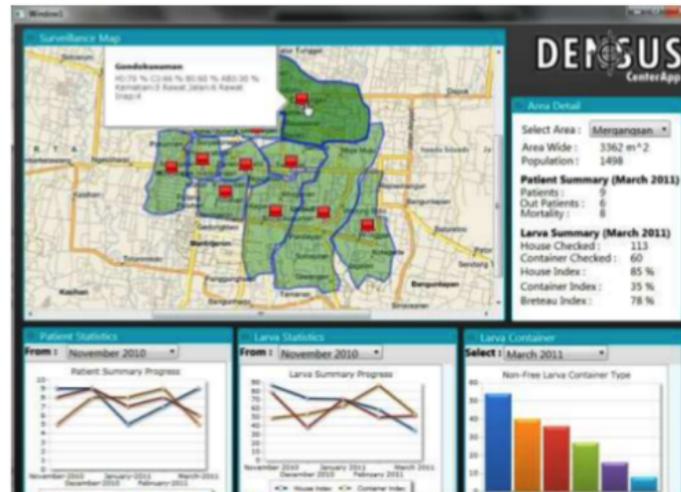


# DENSUS - Dengue surveillance system

automatic platelet  
detection



integrated  
database



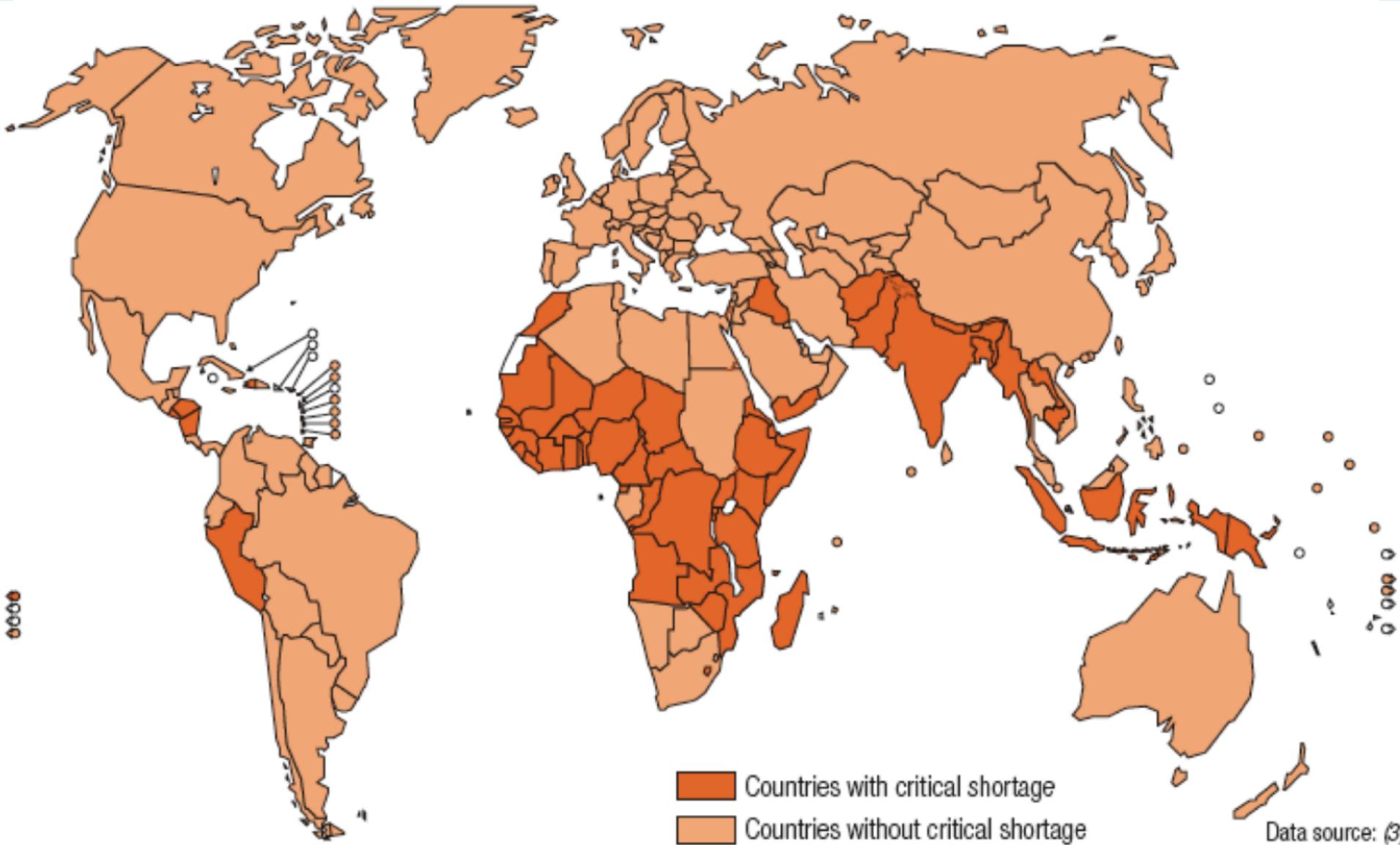
SMS-based  
larvae tracker



# what are the reasons?

- Effectiveness?
- Efficiency?
- Patient safety?
- Climate change?

# Indonesia is experiencing critical shortage of doctors





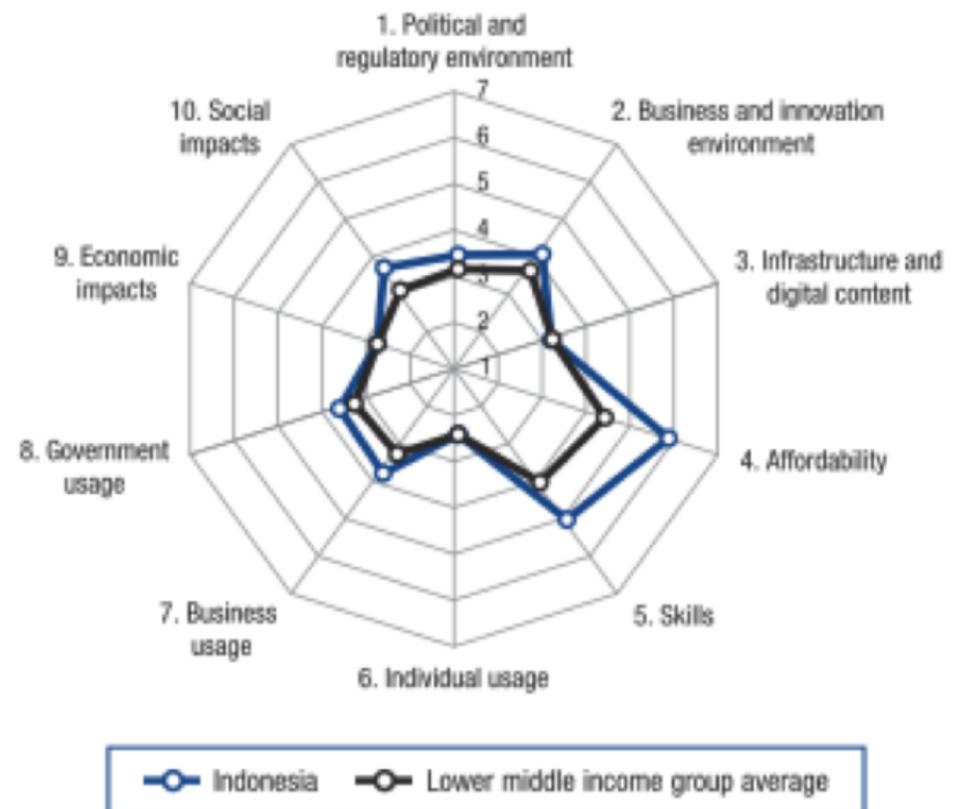


**are we ready?**

# IT Readiness

# Indonesia

	Rank (out of 142)	Score (1-7)
<b>Networked Readiness Index 2012</b> .....	<b>80</b>	<b>3.7</b>
<b>A. Environment subindex</b> .....	<b>72</b>	<b>3.8</b>
1st pillar: Political and regulatory environment .....	88	3.5
2nd pillar: Business and innovation environment .....	64	4.1
<b>B. Readiness subindex</b> .....	<b>74</b>	<b>4.6</b>
3rd pillar: Infrastructure and digital content .....	103	3.1
4th pillar: Affordability .....	34	5.8
5th pillar: Skills.....	69	5.0
<b>C. Usage subindex</b> .....	<b>85</b>	<b>3.3</b>
6th pillar: Individual usage.....	103	2.4
7th pillar: Business usage.....	49	3.8
8th pillar: Government usage.....	75	3.7
<b>D. Impact subindex</b> .....	<b>86</b>	<b>3.3</b>
9th pillar: Economic impacts.....	106	2.8
10th pillar: Social impacts.....	66	3.7



*tack så mycket!*

