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≈ 2.000.000

ljudi letno umre za posledicami malarije

$\approx$ 500.000.000

novih infekcij z malarijo vsako leto

<10 % otrok

v Afriki ima dostop do zdravil proti malariji

Pyrethroid

Pyrethroid

Razpršilo za notranjo uporabo IRS

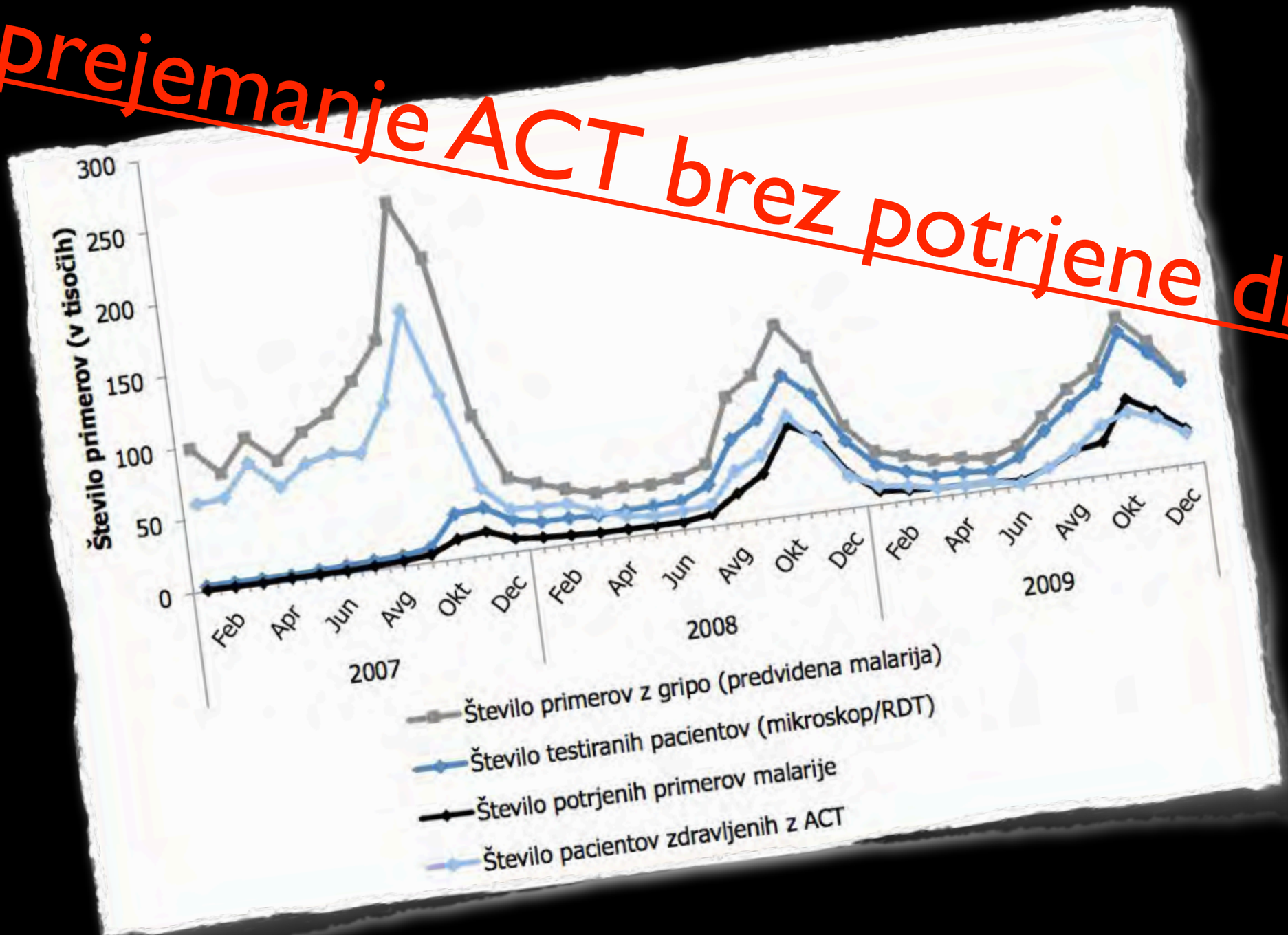
Zaščitne mreže ITN

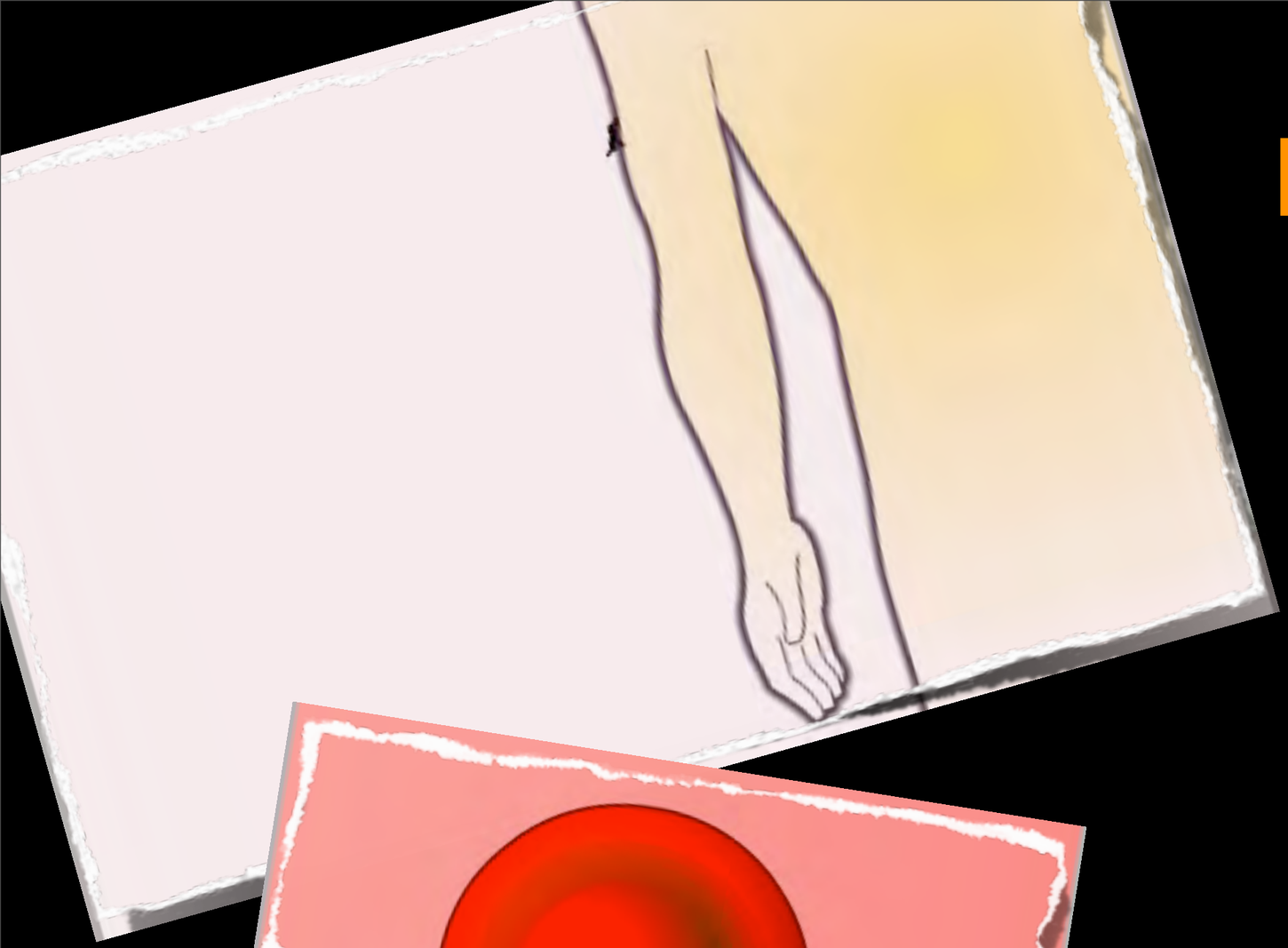
Pyrethroid

Razpršilo za notranjo uporabo IRS

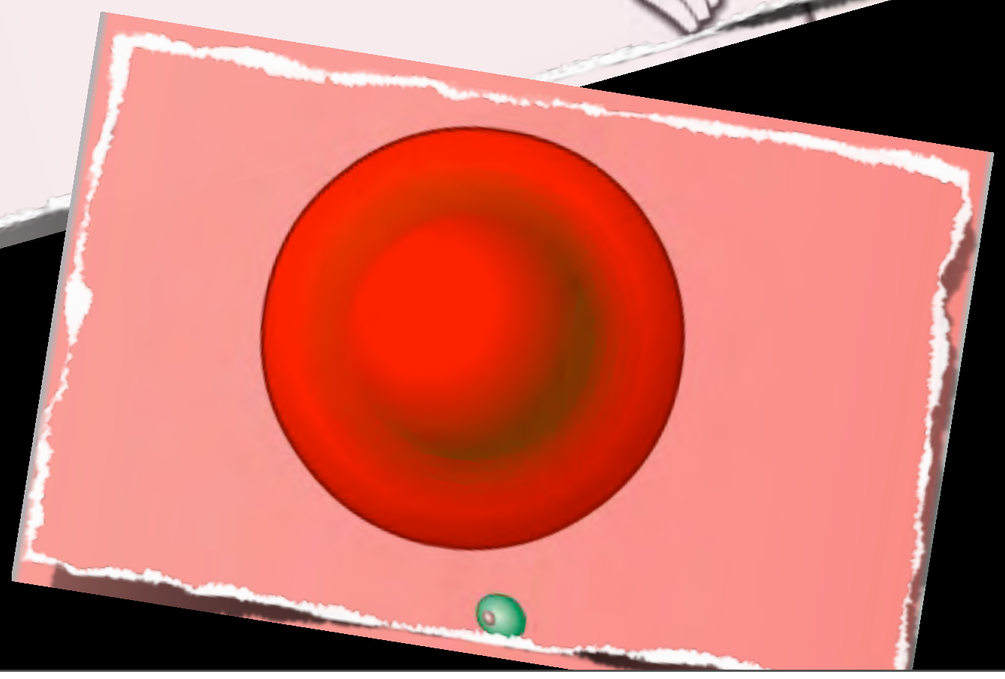
Zaščitne mreže ITN

Prejemanje ACT brez potrjene diagnoze





parazit *plasmodium falciparum*



komar mrzličar (*anopheles*)

Izpuščaj okoli ust

Vročina

Mrzlica

Drgetanje

Glavobol

Razbijajoče srce

Močno dihanje

Bruhanje

Kašelj

smrt v 2 do 3 urah

A. Diagnosticiranje

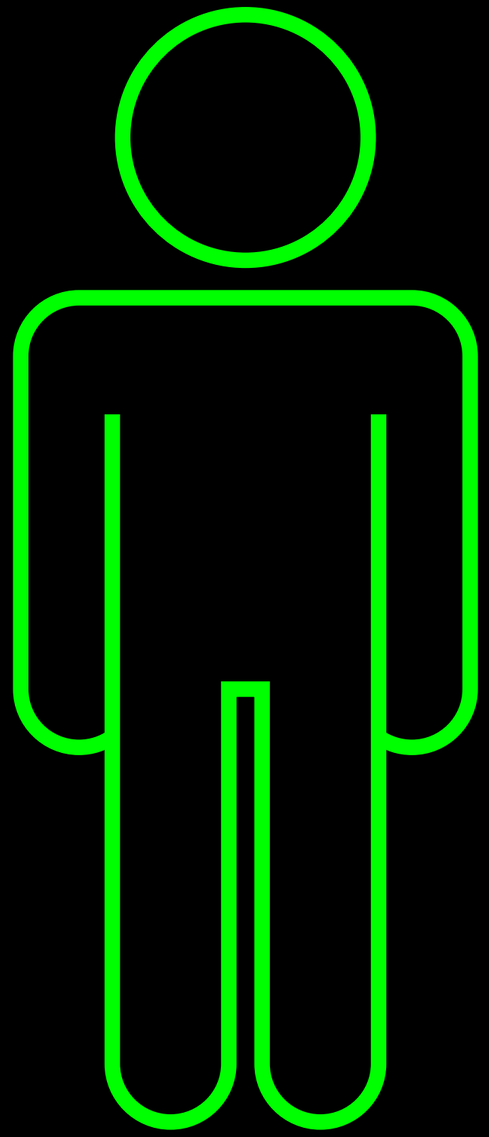
B. Pomoč pri dihalnih boleznih

C. Zdravljenje

D. Izvajanje zdravstvene vzgoje

E. Distribucija ITN mrež

F. Poročanje podatkov v zdravstvene centre



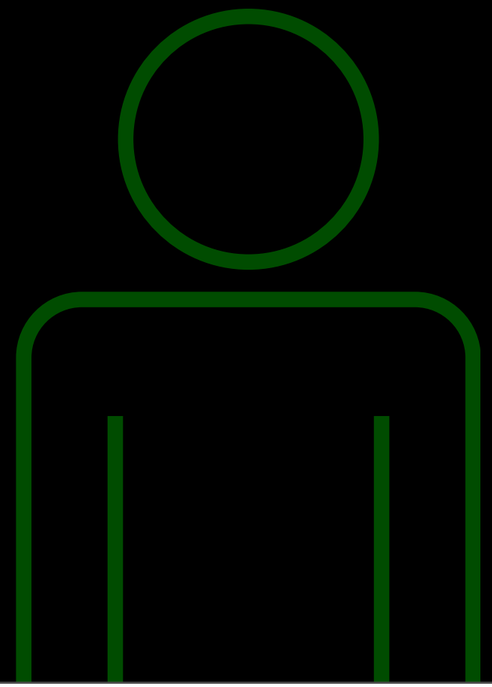
enkrat mesečno / papirnati obrazci

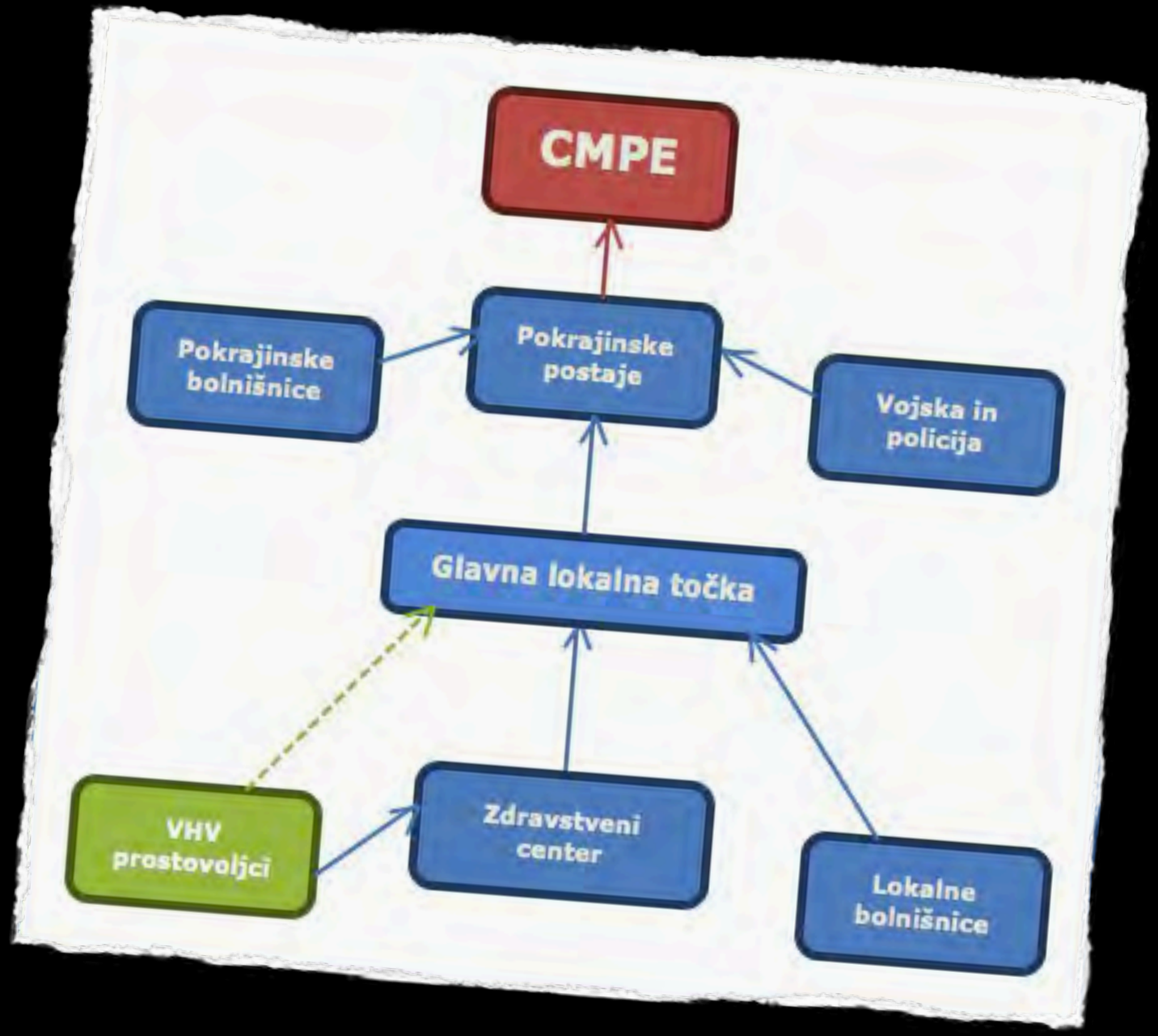
A. Diagnosticiranje

B. Pomoč pri dihalnih boleznih

C. Zdravljenje

D. Izvajanje zdravstvene vzgoje




CMPE
Pokrajinske bolnišnice
Pokrajinske postaje
Vojska in policija
Glavna lokalna točka
VHV prostovoljci
Zdravstveni center
Lokalne bolnišnice

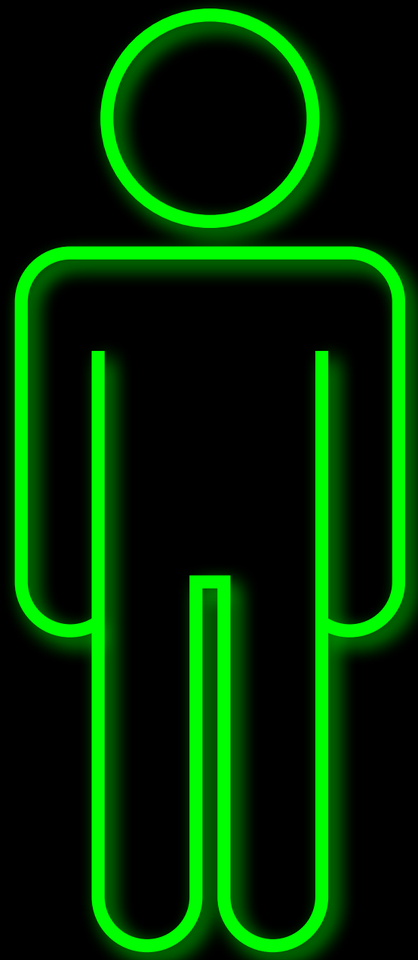
Prevelik časovni razmik med postavitvijo diagnoze in zdravljenjem

Napake pri postavitvi diagnoz

Slaba prometna infrastruktura in logistika

Neefektivna poraba zdravil

Premalo osebja



- Komarji še posebej napadajo noseče ženske
- Vsako leto 200.000 mrtvorojenih samo zaradi malarije

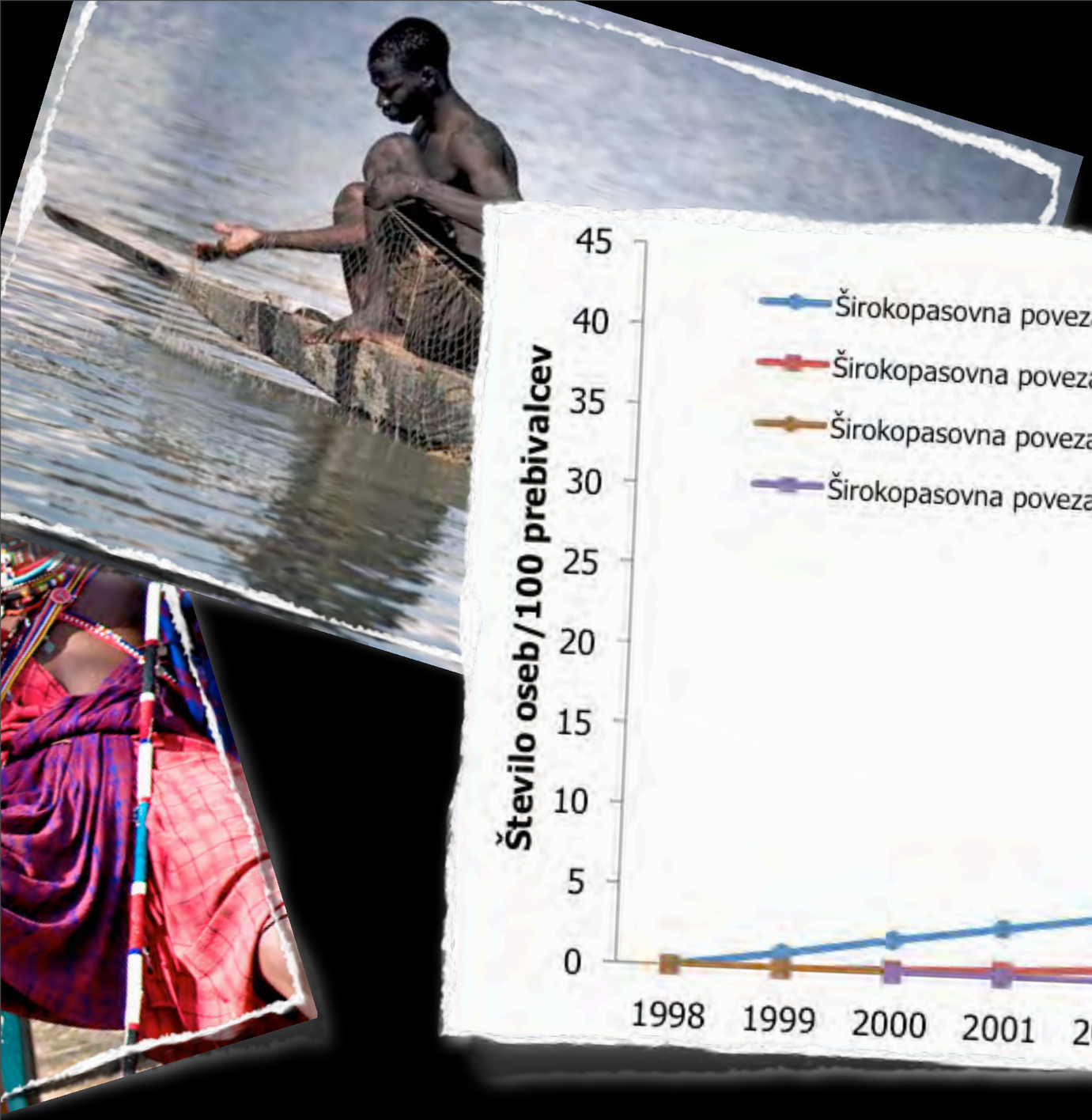
- Malarija pogosti vzrok mrtvo rojenih otrok in smrti novorojenčkov
- V Angoli se na 1000 novorojenih rodi skoraj 200 mrtvih.
- <10% otrok ima dostop do zdravil
- Malarija najpogostejši vzrok za smrt otrok mlajših od 5 let

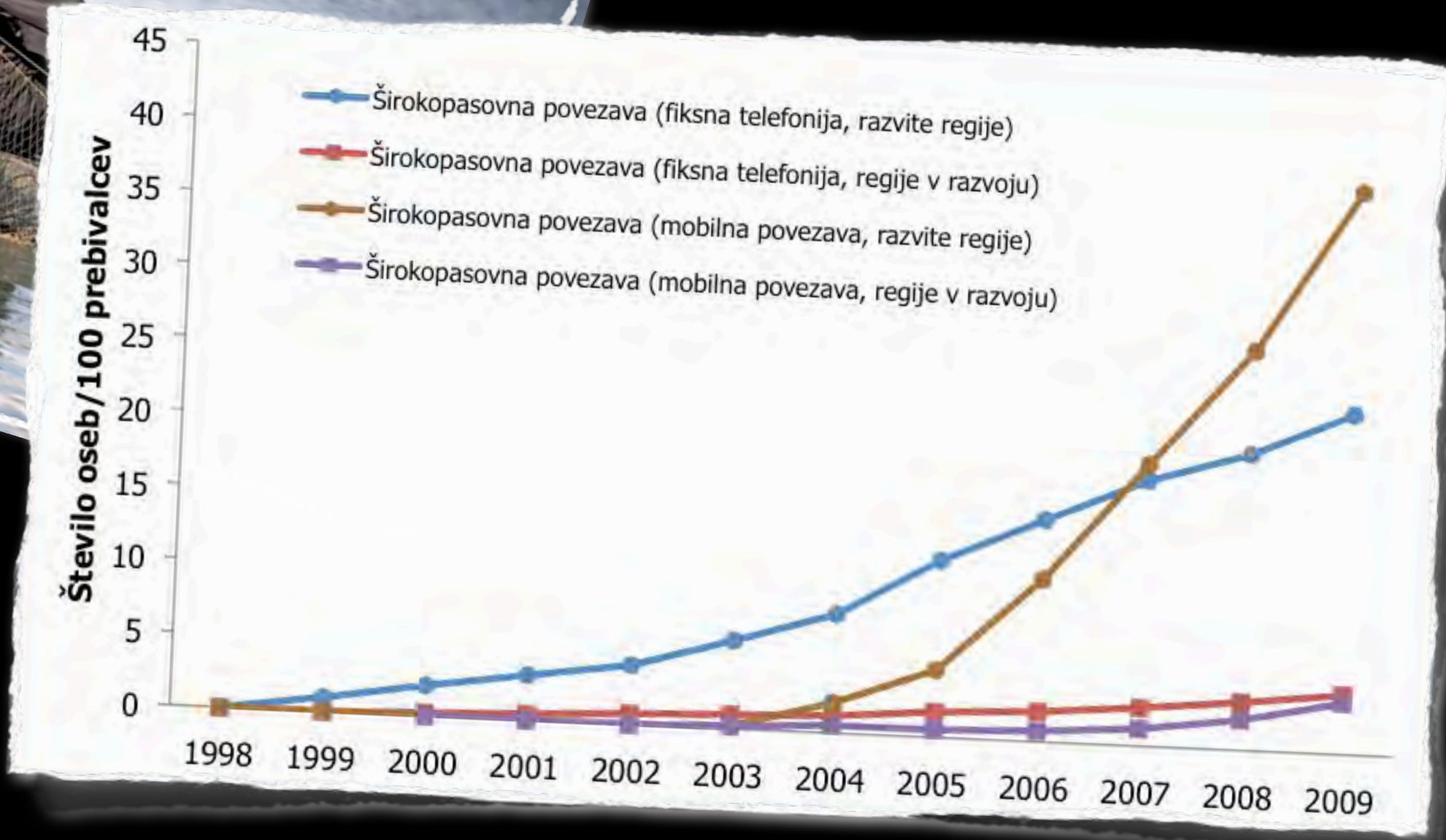
A. *Artemisinin* (ACT) le stežka dosegljiv

B. Omejeno dosegljivi hitri testi

C. Virus malarije postal odporen na *chloroquin* in *sulfadoxin phyrimethamin*

1. Vsako leto umre 2.000.000 ljudi zaradi malarije
2. 500.000.000 novih infekcij z malarijo vsako leto




Širokopasovna povezava (fiksna telefonija, razvite regije)
Širokopasovna povezava (fiksna telefonija, regije v razvoju)
Širokopasovna povezava (mobilna povezava, razvite regije)
Širokopasovna povezava (mobilna povezava, regije v razvoju)
Število oseb/100 prebivalcev
0
5
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1998
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Telemedicina

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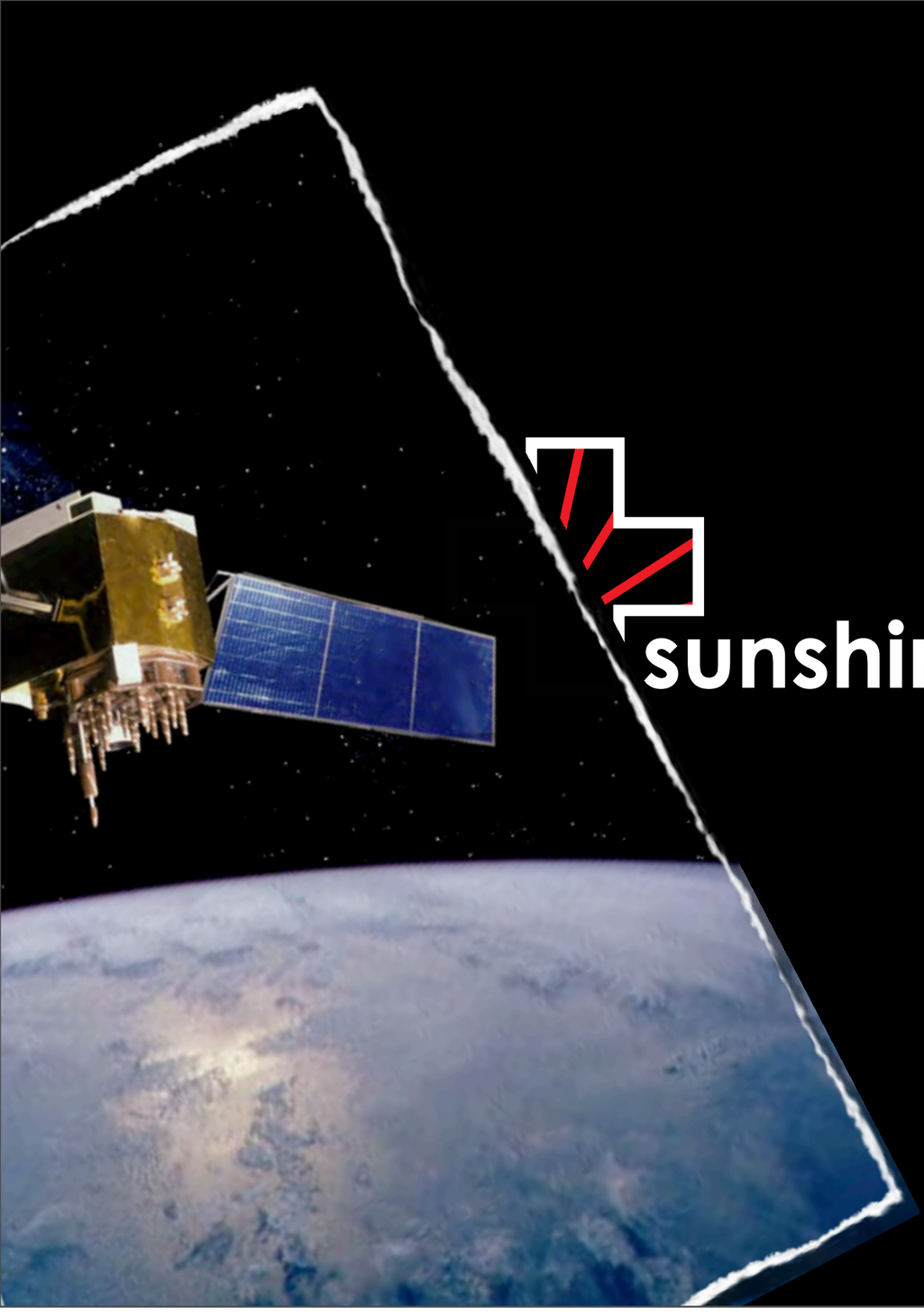
Zagotavljanje zdravstvene podpore

sunsh

Premagovanje geografskih ovir



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Uporaba informacijsko-komunikacijske tehnologije

Pogosto edini vir informacij !

Cilj: Izboljšanje zdravja ljudi

Alternativa zdravstvenim ustanovam

Imunost na naravne katastrofe

Nadzor in monitoring:
načrtovanje in mobilizacija

KRKA

Telemedicina ...

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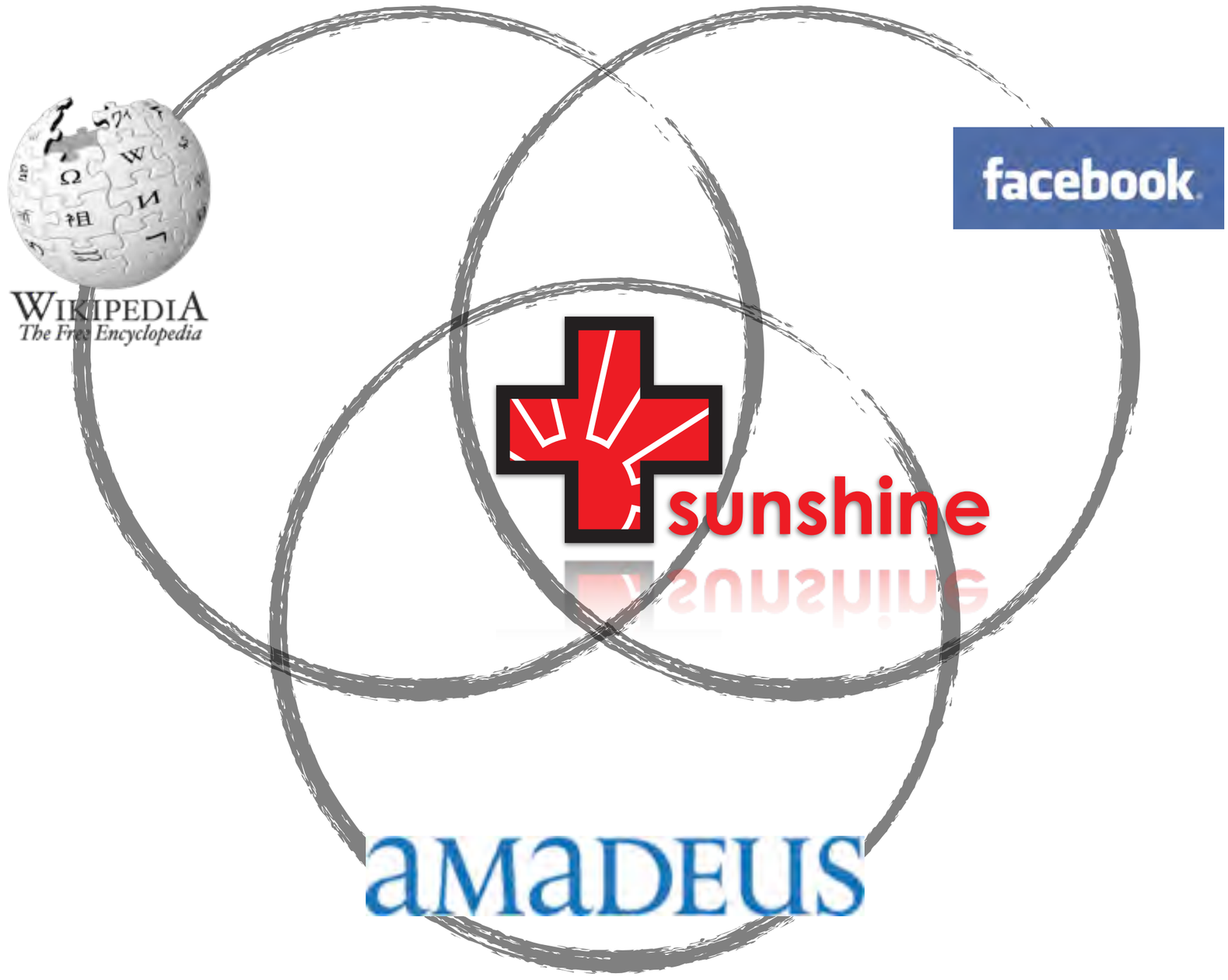
WIKIPEDIA
The Free Encyclopedia
facebook
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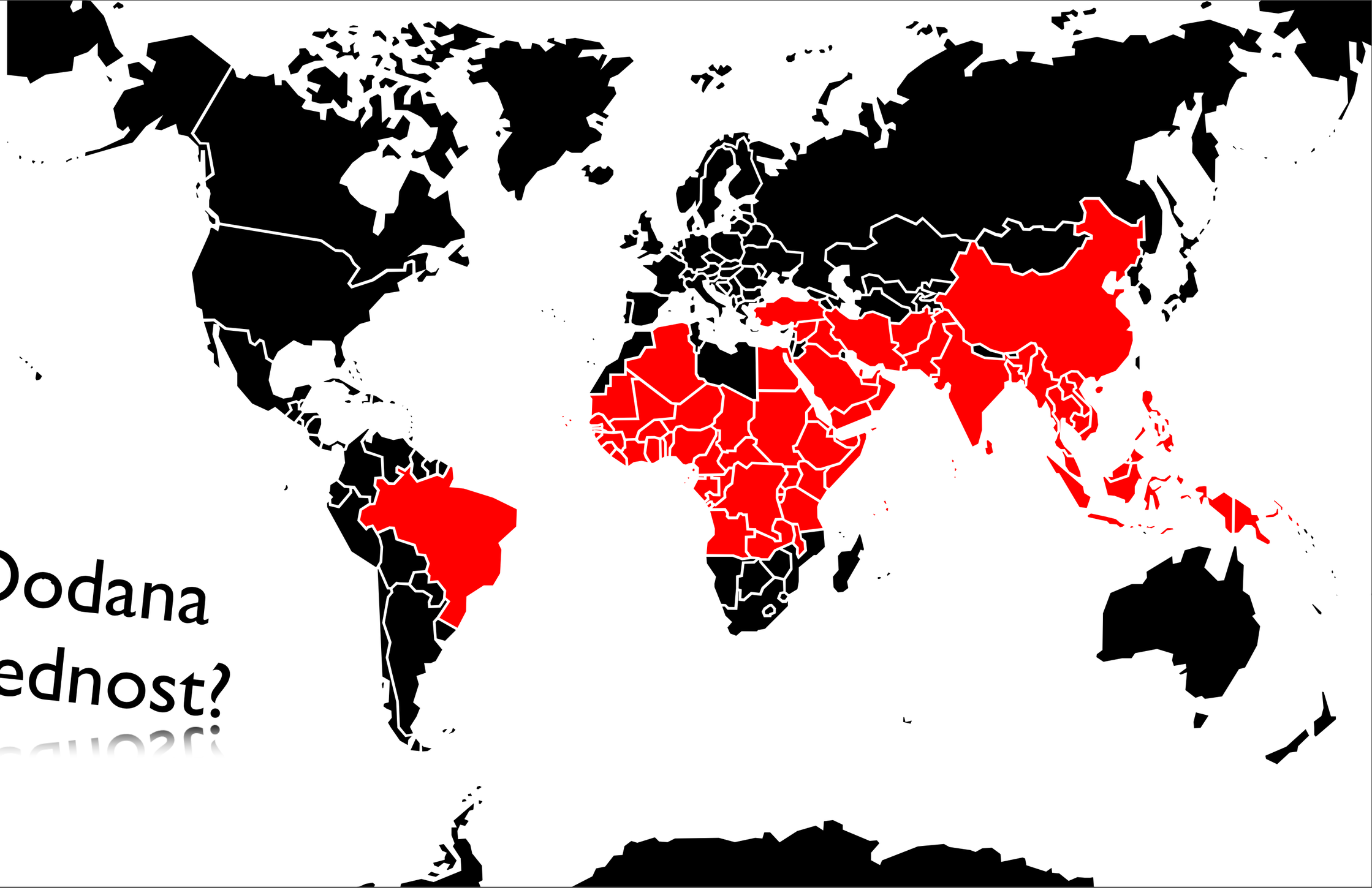
amadeus



Dodana vrednost?

8/20/2011
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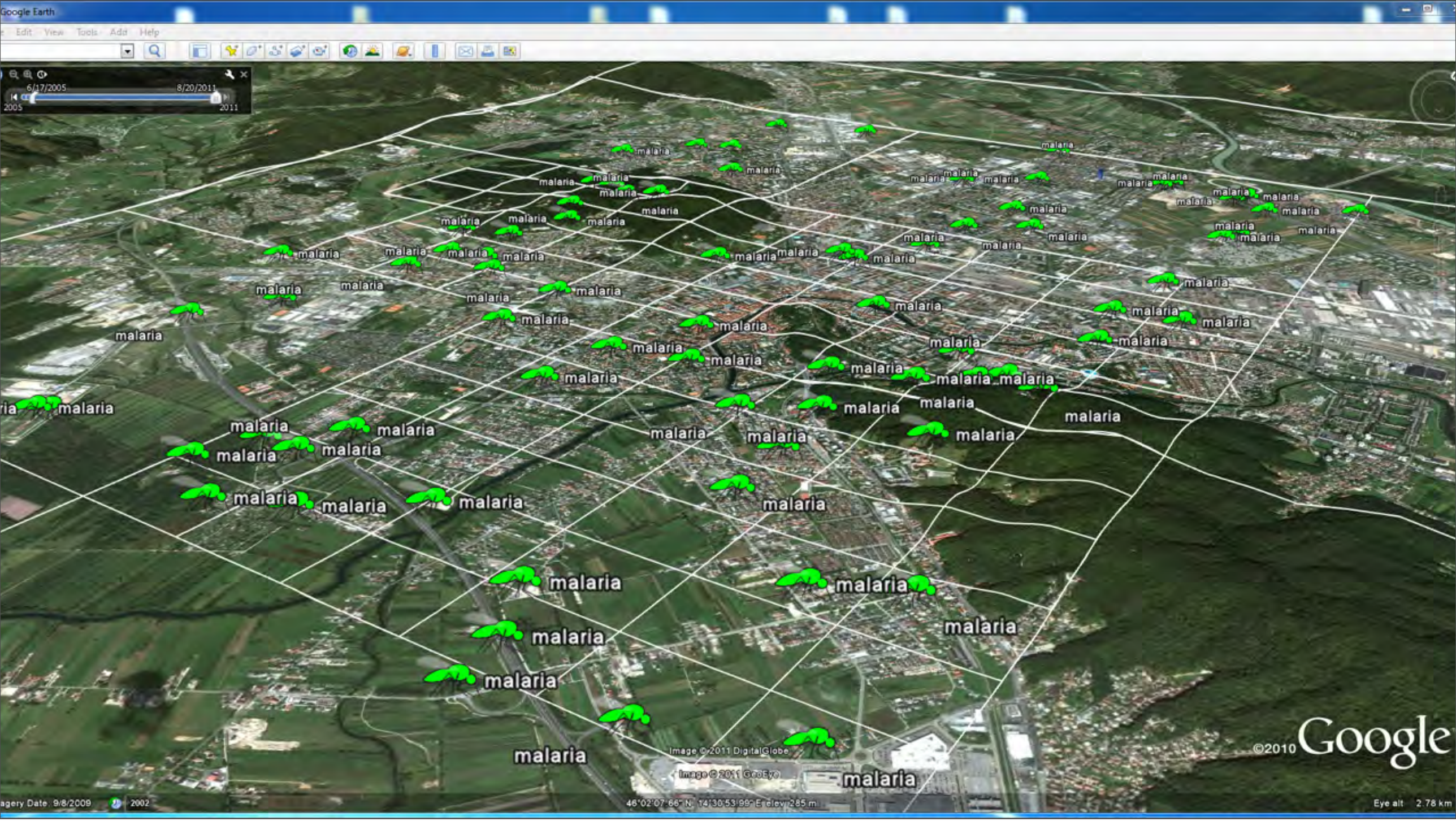
Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Image IBCAO
© 2011 Cnes/Spot Image
Image © 2011 TerraMetrics
©2010 Google
Pogoji uporabe


Google Earth
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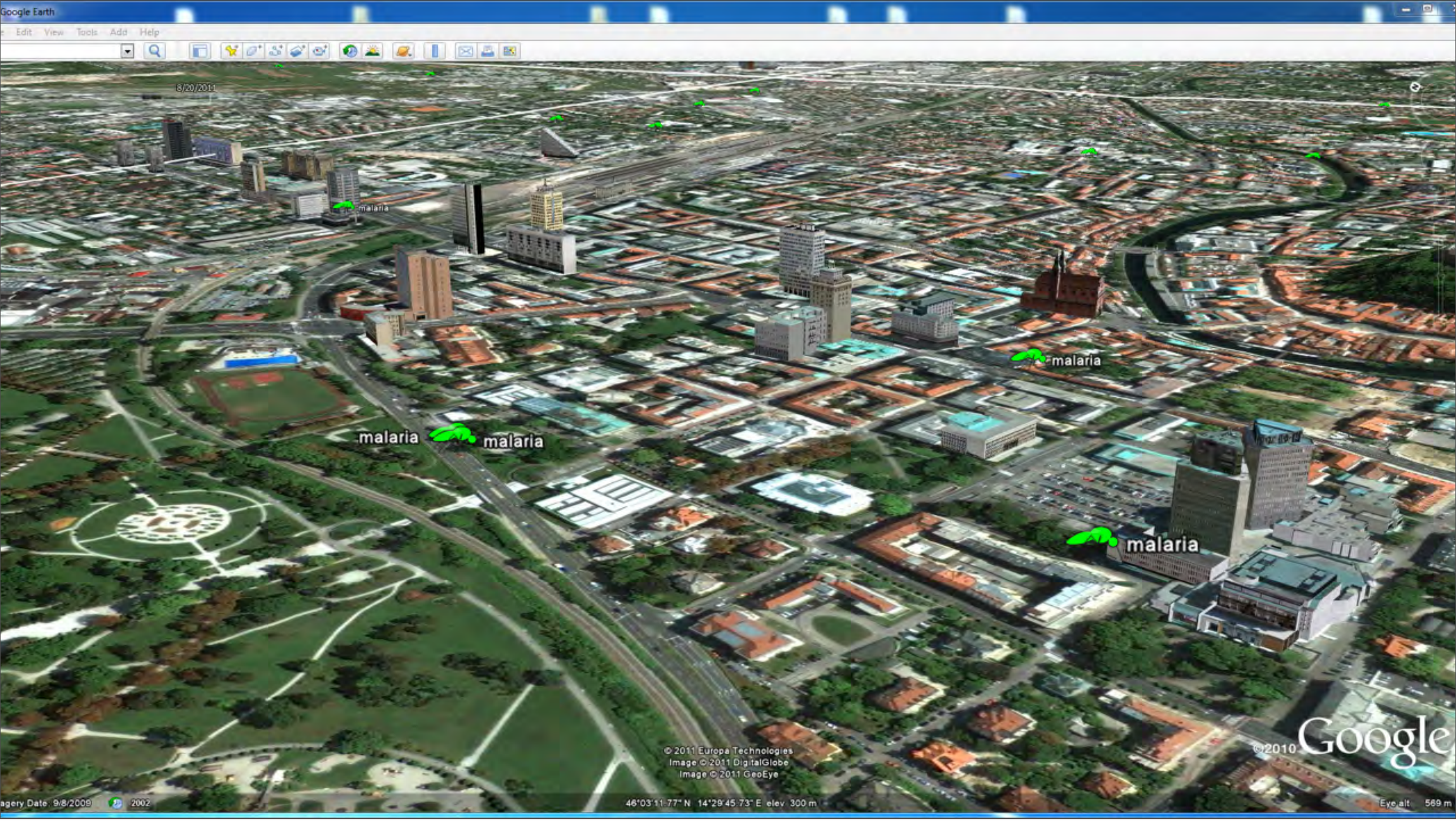
8/20/2011
2005
2011
malaria
Image © 2011 DigitalGlobe
Image © 2011 GeoEye
©2010 Google
Imagery Date: 9/8/2009
2002
46°02'07.66" N 14°30'53.99" E elev 285 m
Eye alt 2.78 km


Google Earth
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8/20/2011
malaria
malaria
malaria
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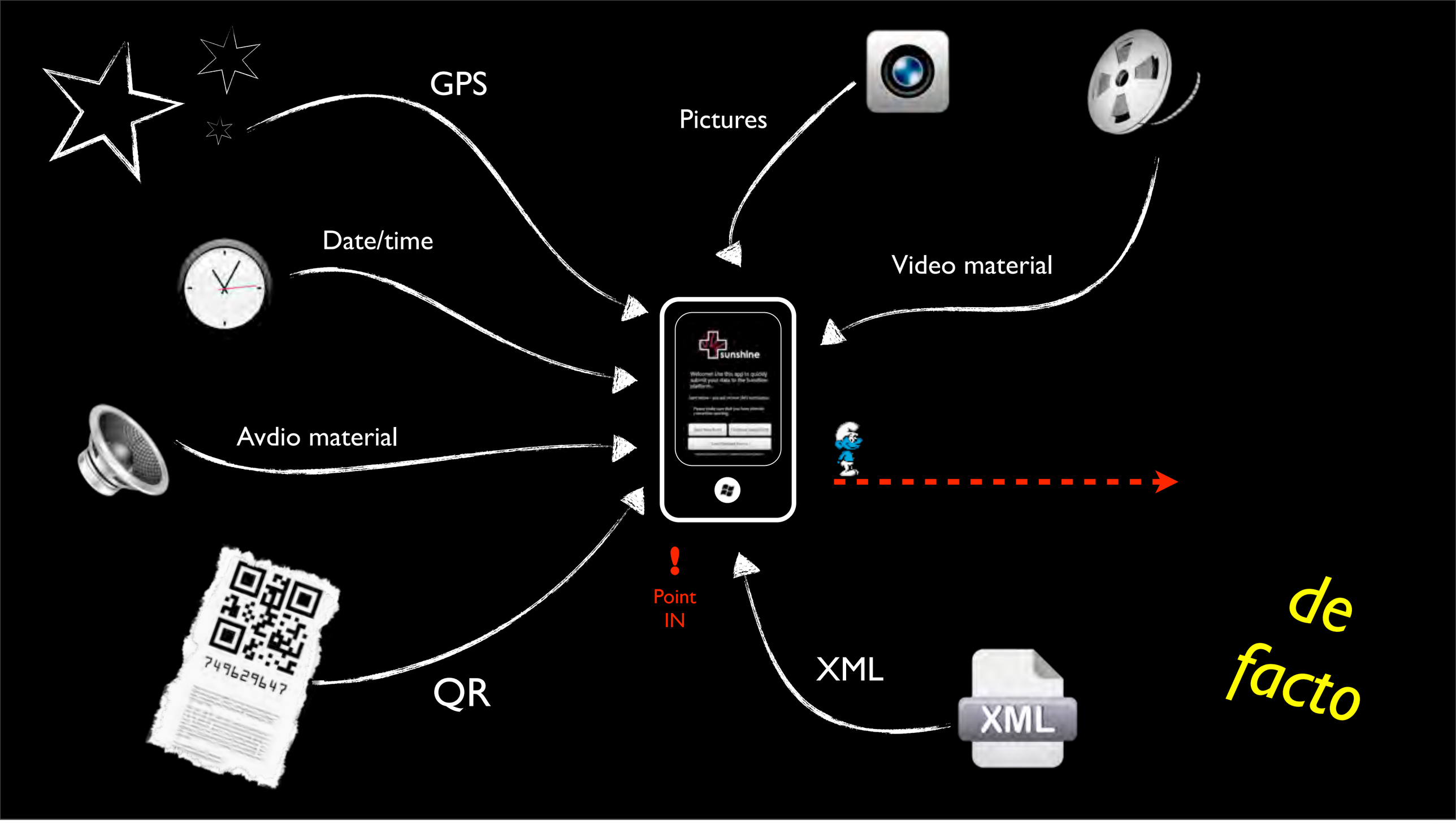
© 2011 Europa Technologies
Image © 2011 DigitalGlobe
Image © 2011 GeoEye
©2010 Google
agery Date: 9/8/2009
2002
46°03'11.77" N 14°29'45.73" E elev 300 m
Eye alt 569 m

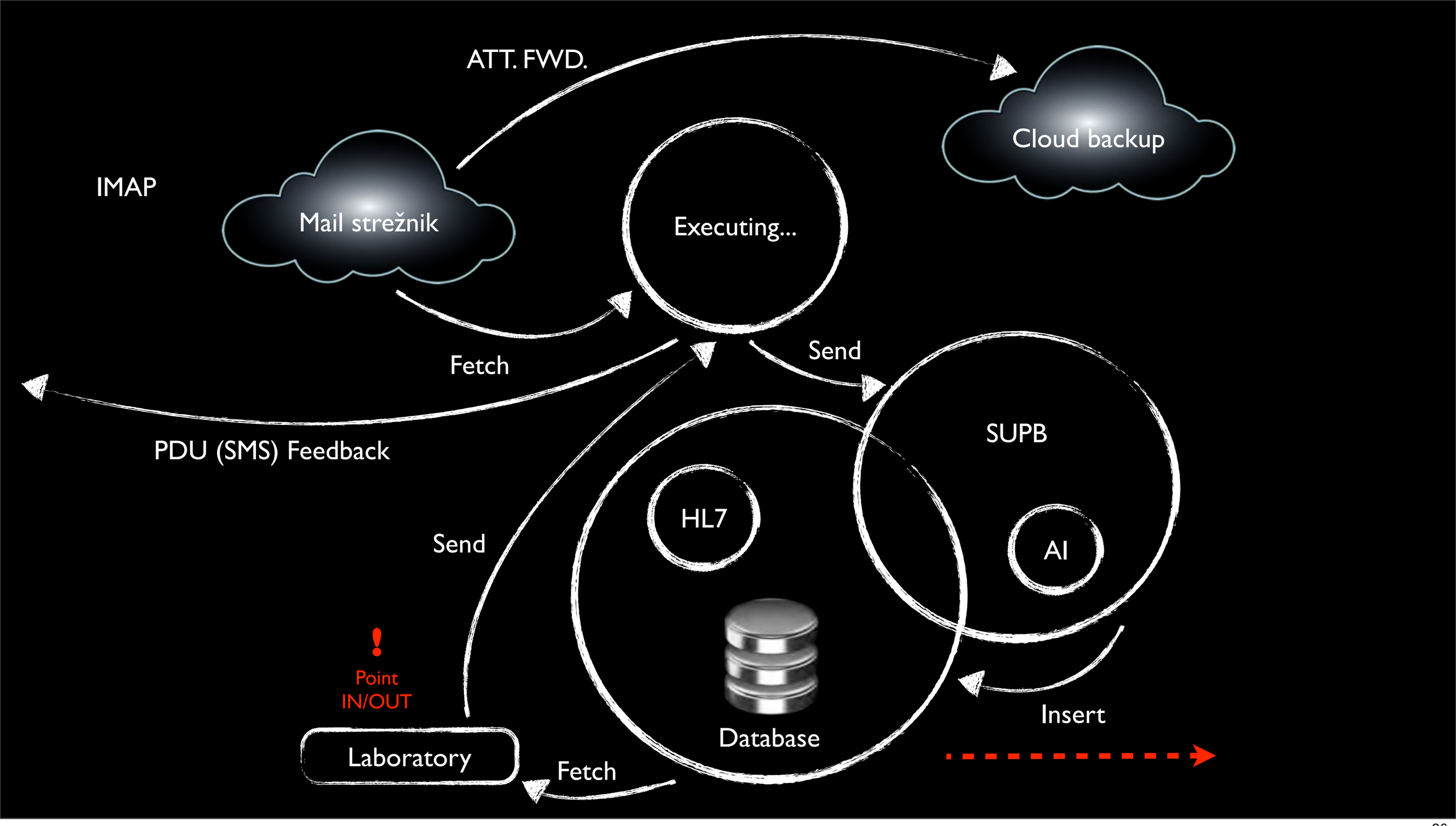
PID:749629644

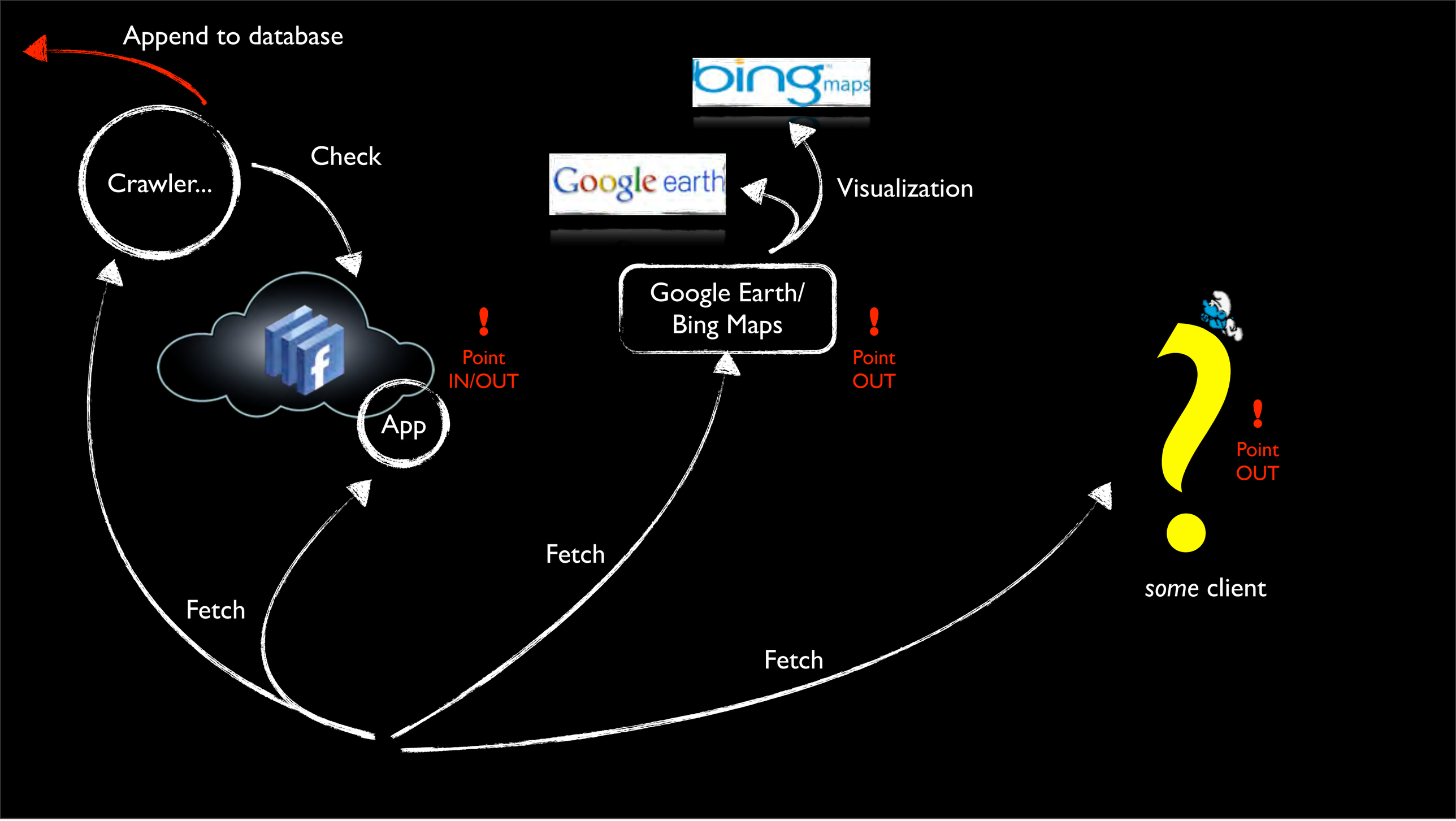
749629644, Mateja, Miklic, F, 1978-07-09			
Novi trg 11, 8000 Novo mesto, Slovenia			
Assigned Author:	749629647, Barbo, Matej, MD		
History of Present Illness section		**Past Medical History section**	
Present Illness	Depression since 2001. Often also panic attacks and signs of mental disorder.	*Past Medical History*	Appendix removed in 2004. Hospital: UKC Ljubljana. No special problems during operation.
Present Medications	Prozac, 100 mg, twice per day.	*Past Medications*	Some OTC painkillers while regeneration after appendix removed.
Physical Exam - Vital Signs		*Allergies Adverse Reactions*	Patient is allergical to bee sting. Immediate medical assistance required. Death possible!
Weight (kilograms)	77	*Family History*	Patients father has diabetes and high blood pressure.
Height (centimeters)	172	*Social History*	Patient is smoking approximately 20 years (one package/day).
Body Temperature (celsius)	39.1	**Assessment section**	
Pulse (/minute)	56	*Symptoms*	Headache Mosquitobite Rash Sleep SocialWithdrawal
Heart Rhythm	Regular	*Symptoms Additional*	Massive weight loss in past 2 weeks.
Respirations (/minute)	25	*Assessment*	Possible next stage of mental disorder. Cause can be panic attacks if bitten by mosquito. Although, malaria is possible. Patient was in Malawi on a bussiness trip for 14 days.
Systolic (/mmHg)	127	**Plan section**	
Diastolic (/mmHg)	85	*Plan*	Extended laboratory tests on 14.9.2011. After that possible hospitalization. Depending on the lab results.
Circumstances		**Submission Informations**	
Index	3	*Body*	S0038651306652
Air Temperature (celsius)	36	*Subject*	0038651306652/submission
Audio			


GPS
Pictures
Date/time
Video material
sunshine
Avdio material
Point
IN
QR
XML
XML
de
facto

Electronic Health Record (EHR) je zapis zdravstvenih podatkov pacienta.

1. demografske značilnosti,
2. komentarji napredka zdravljenja,
3. pacientove težave in zdravila,
4. simptomi,
5. zdravstvena zgodovina,
6. cepljenja,
7. laboratorijski podatki,
8. radiološka poročila,
9. ...


ATT. FWD.
Cloud backup
IMAP
Mail strežnik
Executing...
Fetch
Send
PDU (SMS) Feedback
SUPB
HL7
AI
Send
!
Point
IN/OUT
Database
Insert
Laboratory
Fetch


Append to database
Crawler...
Check
Google earth
Visualization
Google Earth/
Bing Maps
!
Point
IN/OUT
App
!
Point
OUT
!
Point
OUT
Fetch
Fetch
Fetch
some client

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matej.barbo@gmail.com
www.matejbarbo.com