

A look at the digital landscape of Cuba: from Intranet to Internet



MONITOREO Y CENSURA DE INTERNET EN
CUBA

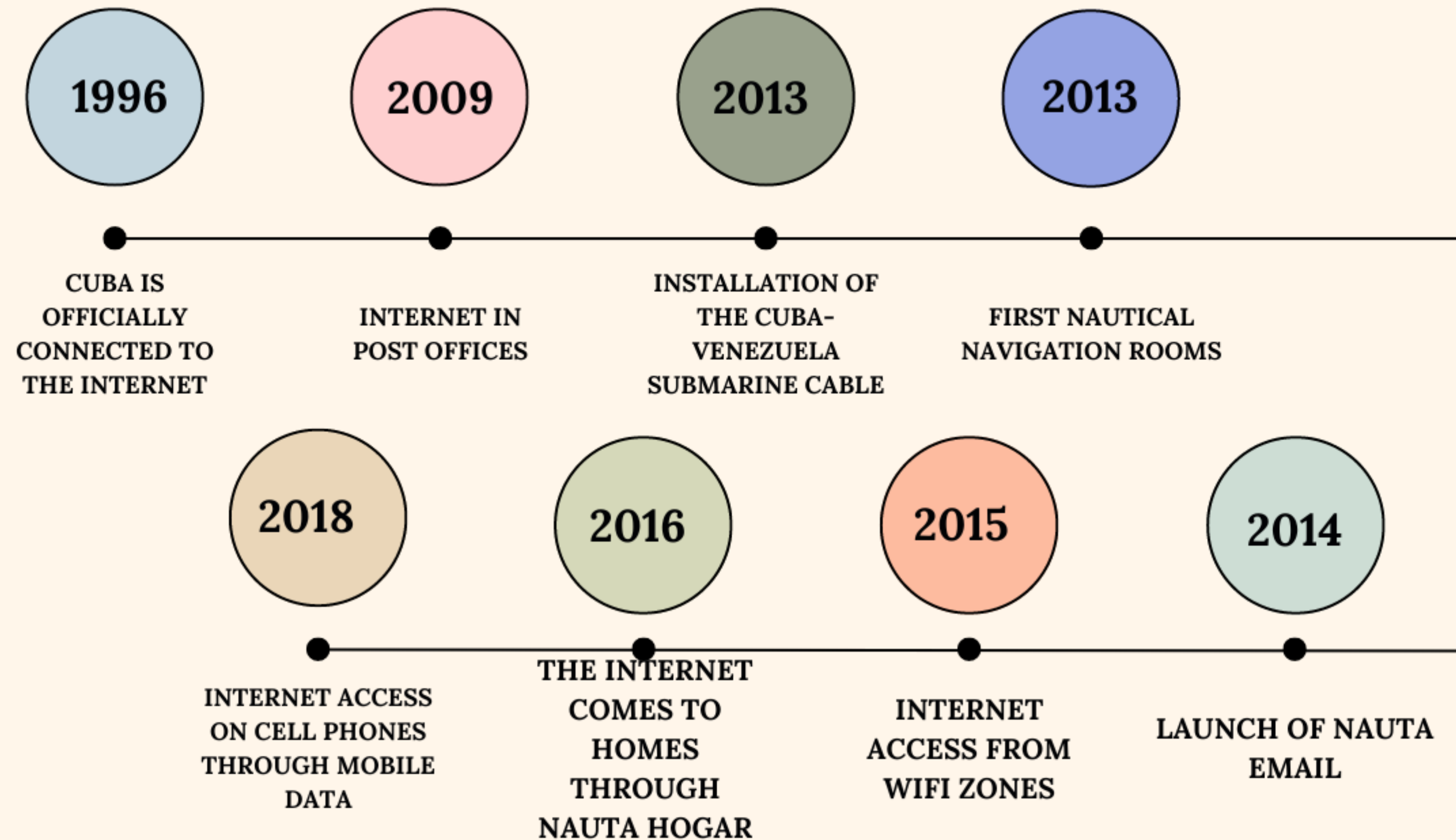
ABOUT US

- Diktyon (@DiktyonCuba on X)
- Since 2022
- To be a local reference on censorship, Internet health and connectivity issues in Cuba.

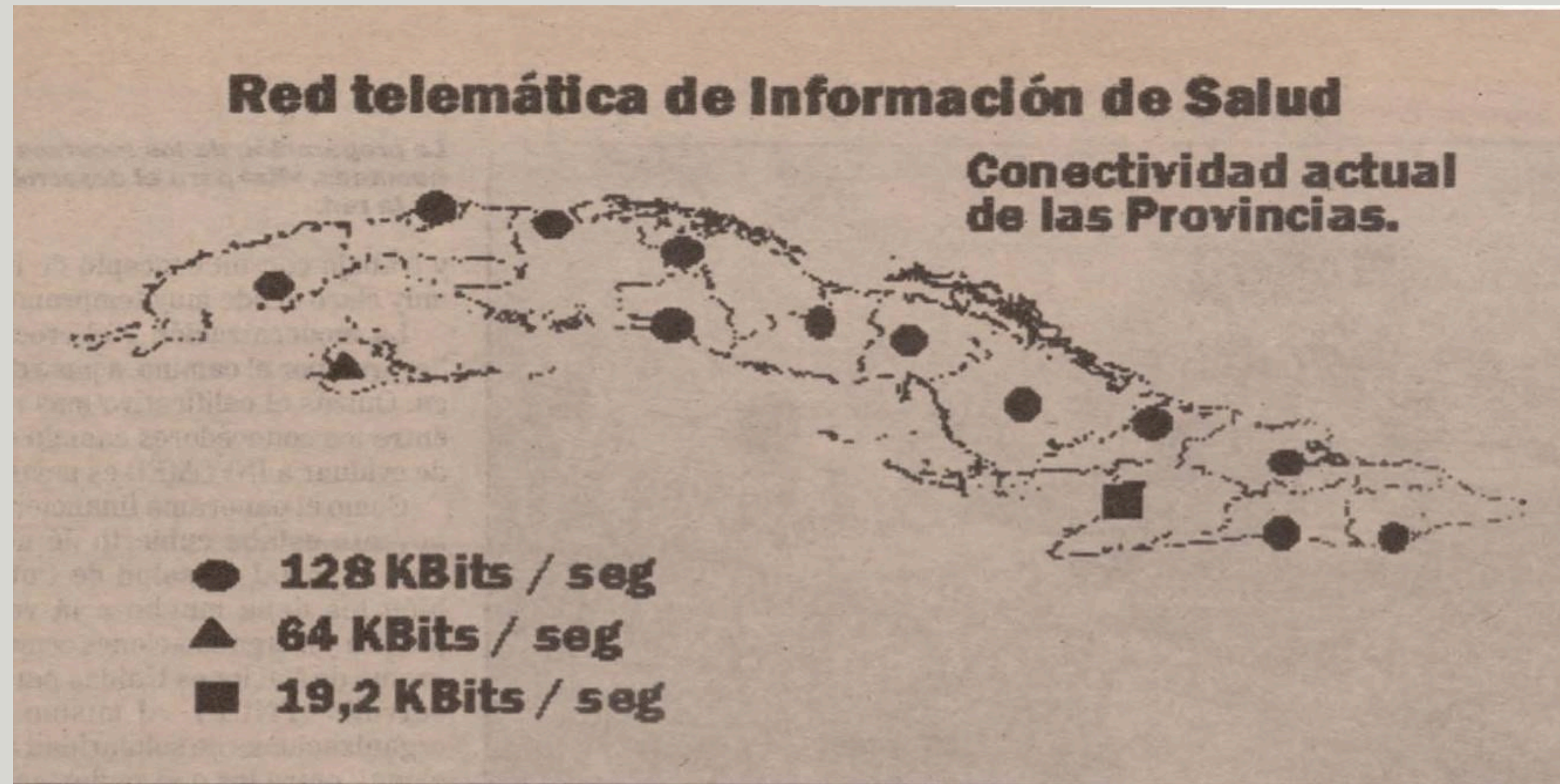


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Chronology of Internet in Cuba



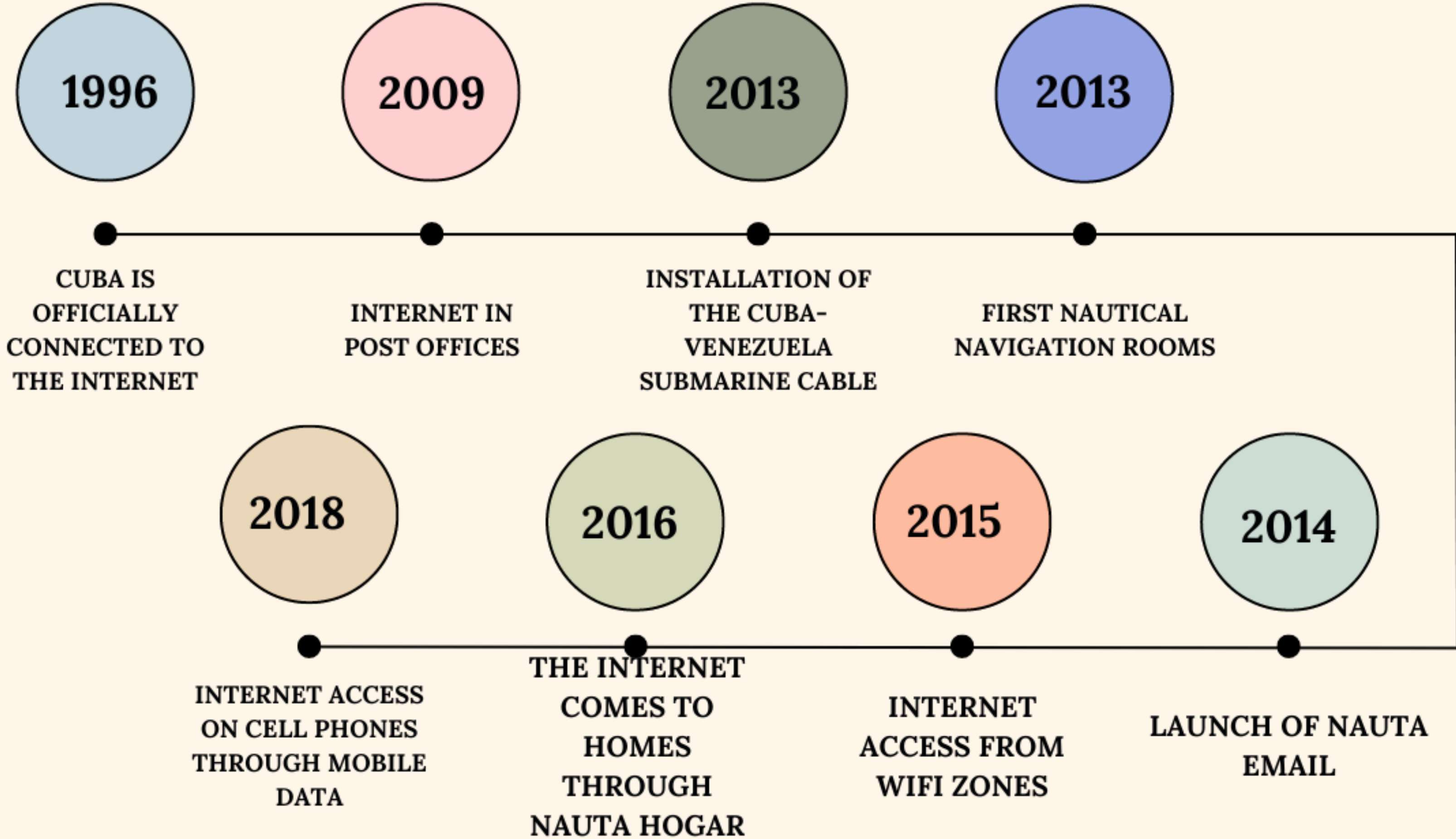
CUBAN INTRANET AND ITS COMPONENTS



Informed (2003)

1. University Network
2. Healthcare Network (Infomed)
3. Joven Club de Computación
4. National Alternatives: Ecured (Wikipedia), Nauta Mail, Todus (Whatsapp), APKlis (Appstore)

Chronology of Internet in Cuba



Censorship Today

No.	Time	Source	Destination	Protocol	Length	Info
1	0.000000	192.168.64.6	192.168.64.1	DNS	82	Standard query 0x31ce A solidaridadconcuba.com
2	0.000033	192.168.64.6	192.168.64.1	DNS	82	Standard query 0x59cd AAAA solidaridadconcuba.com
3	0.003614	192.168.64.1	192.168.64.6	DNS	98	Standard query response 0x31ce A solidaridadconcuba.com A
4	0.003614	192.168.64.1	192.168.64.6	DNS	144	Standard query response 0x59cd AAAA solidaridadconcuba.co
5	0.003836	192.168.64.6	82.98.169.3	TCP	74	51408 → 443 [SYN] Seq=0 Win=32120 Len=0 MSS=1460 SACK_PER
6	0.603755	82.98.169.3	192.168.64.6	TCP	66	443 → 51408 [SYN, ACK] Seq=0 Ack=1 Win=65535 Len=0 MSS=14
7	0.603885	192.168.64.6	82.98.169.3	TCP	54	51408 → 443 [ACK] Seq=1 Ack=1 Win=32128 Len=0
8	0.608379	192.168.64.6	82.98.169.3	TLSv1	571	Client Hello
9	0.771771	82.98.169.3	192.168.64.6	HTTP	253	HTTP/1.1 503 Service Unavailable (text/html)
10	0.772939	192.168.64.6	82.98.169.3	TCP	54	51408 → 443 [RST, ACK] Seq=518 Ack=201 Win=32000 Len=0

```
Internet Protocol Version 4, Src: 82.98.169.3, Dst: 192.168.64.6
Transmission Control Protocol, Src Port: 443, Dst Port: 51408, Seq: 1, Ack: 518, L
Hypertext Transfer Protocol
  ▶ [Expert Info (Warning/Security): Unencrypted HTTP protocol detected over encryp
  ▶ HTTP/1.1 503 Service Unavailable\r\n
    Connection: close\r\n
    Server: V2R2C00-IAE/1.0\r\n
    Cache-Control: no-cache, no-store\r\n
    Content-Type: text/html\r\n
  ▶ Content-Length: 39\r\n
  \r\n
```

What does Diktyon do?

1. Daily monitoring of access to websites that are potential targets of censorship. (OONI + WireShark)
2. Daily monitoring of communication platforms could face censorship (WhatsApp, Facebook, Messenger, Telegram y Signal). (OONI + PiRogue)
3. Daily monitoring of circumvection tools (Psiphon, Tor y Tor snowflake). (OONI)
4. Analysis of irregularities in web access, as well as Signal, Tor and Internet speed.
5. Publish a trimestral report on our findings on our platforms.
6. Currently, we are the only local reference on internet health issues within the island.

Q&A

Contact

@DiktyonCuba on X



Diktyon

THE END
MUCHAS GRACIAS



Diktyon