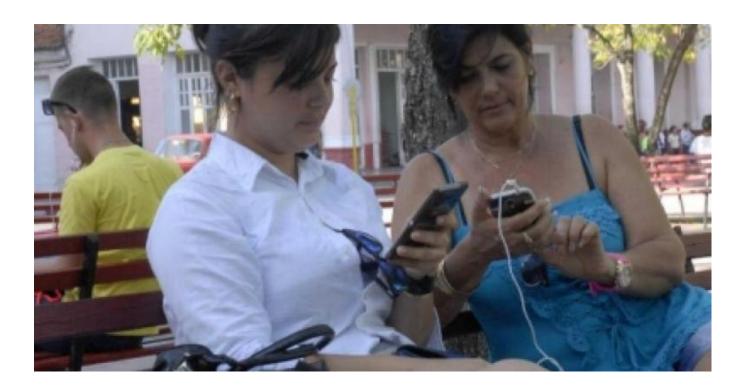


Cuba: New Wi-Fi Spots will Extend Use of Internet

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ETECSA reminds of the possibility offered by Computing Clubs as an alternative Internet browsing. Highlighting the advantages of permanent cards for the Nauta service and specifies that Wi-Fi spots will grow before year end and rates for the use of Internet will gradually drop.

Cuba has the political will to continue advancing in the computerization process and bring these services closer to the population, vice minister for Communications Wilfredo González assured yesterday on a TV show devoted to this important topic.

González informed that since June 4, 2013, at the beginning of the amplification process, there are today more than 3 millions Cubans who have access to Internet and approximately 1 million Nauta users.

The intention is to keep encouraging, he said, the infrastructure in communications, either wired or wireless, and boost the broadband development, quality guarantee. The economic-financial elements mark the development of these goals, he finished.

He mentioned 35 projects of greater impact in the development of technologies considered basic. He said these projects are supported in two fundamental premises: to create capacities and technological infrastructure and at the same time to consider technological security and sustainability. These 35 projects are considered as the Red Cuba platform.

The banking system appears among these projects, the computerization of public records, to this purpose is necessary to computerize the primary registers – he stressed -, as well as that of digital TV. As for digital TV he said that more than 500 thousand decoding boxes have already been bought.

ETECSA's Executive Director, Mayra Arevich Machín, underlined that the development of communications infrastructure depends significantly on how sustainable is done. She emphasized that "the development of



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telecommunications in Cuba must follow the same pace of economy."

She highlighted the importance of security to avoid computer attacks. We cannot risk our economy neither the security of services. Therefore, we must work to keep our applications with security and sustainability."

Arevich remembered that since year 2000 the development of Internet began in Cuba and she emphasized the important premise of improving the infrastructure and bandwidth of entities. Today, she added, most Cuban ministries can load their applications in data centers.

Among the goals achieved this year she mentioned the work in the integration of universities, as well as the modernization of the Infomed platform. It's something we are very proud of, she commented.

The directive of the Cuban company made public the inclination of users for the Nauta temporary account, which have sold 3,8 millions approximately. Nevertheless, she called the attention on the advantages of the permanent account whose one-year duration allows the owner to recharge through bonus. Arevich insisted in that the permanent account offers greater facilities, not trips to sale offices and turning to resellers' as option.

There are nearly 3 million cell phones right now - it has been an explosion in just a few years, - and almost a million clients use the Nauta mail.

## The Wi-Fi Spots

ETECSA's Executive Director, Mayra Arevich, expressed the intention of increasing the number of Wi-Fi spots which are presently 35.

Questioned about the practice of having several users with a single account, she clarified that, although it's doable, is counterproductive to the quality of the service they get because for better results a certain bandwidth is needed.

There are a few Wi-Fi spots that do not comply with all the conditions so people can navigate comfortably. For the coming spots are intended to make previous consultations to municipal and provincial organizations to achieve greater comfort.

Regarding the Nauta service rates, she said that the policy to follow is the gradual drop in the prices which went from 4.50 cuc per hour to 2 cuc. "We know it is high, she said, it depends on the system capacity, but we will continue lowering the rates. We'll look for special offers for the permanent accounts".

## The computer sciences and other windows

The vice-dean of production at the University of Computer Sciences (UCS), Reynaldo Rosado Roselló, assured in the television that today the potential of development of computer sciences in Cuba gathers 30 software developing companies, which today works in teams and strategic alliances.

As key element of this task he mentioned the human resources. He remembered that 13 years ago Fidel had the vision of creating the UCS to give crash courses to computer programmers and today we can speak of a software industry, because we have an elevated number of computer engineers and from other similar studies.

He mentioned 128 projects developed by the UCS, an atypical university since it's an educational and productive center at the same time while it works supporting the Cuban software industry.

Regarding the Young Computing and Electronic Club, created in 1987, its directress, Anamaris Solórzano, highlighted that among their priorities appear the technical support to the Cuban encyclopedia Ecured, with about 200 thousand daily visits.

It has also been created the portable Ecured and the Ecumobile (for android 2.2 or higher) in two versions, with and without images, the second can be downloaded from the net.

During the television program it was announced the creation of the Union of Computer Engineers of Cuba, a request from the IT and communications professionals of the country, said Ailyn Febles, vice-dean of the UCS and



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coordinator for the creation process of the new organization.

At present nearly 4 thousand professionals have been registered and creation process must conclude next January. "It will be, referred Febles, an organization leading the free software and defender of the technological sovereignty and pioneer of the technological breakthroughs attained by Cuba."

Last, but not least, it was approached the aspect of cyber security.

Since 2014 until 2015, more than 176 nations have been notified on cybernetic attacks carried out against our country. Hence a key element is to promote the international solidarity in this regard. Cooperation ties have been established with more than 20 nations, including China and Russia. Cuba supports the use of the cyberspace with peaceful ends.

The conclusion of the program aimed at continuing advancing in the computerization of the Cuban society and the access of the population to new technologies, always cyber security keeping in mind and without forgetting the importance of these breakthroughs for the development of the economy, sciences and the entire work of society. It was noted that the United States has been the main obstacle for the development of telecommunications and computer science in Cuba.