

GESTÃO DO ESPECTRO: PERSPETIVAS, DESAFIOS E ESTRATÉGIAS

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The Future of Spectrum Management An International Viewpoint

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Interoperability



Titanic disaster



1st World War
Better radio technology
(e.g., spectrum efficient vacuum tube transmitters)
Beginning & expansion of broadcasting



Spark transmitter phasing-out

1906: 1st RR

The basic international institutional arrangements for radiocommunications were conceived & implemented: regular meetings to prepare technical & operational standards, review rules & regulations (e.g., Table of Frequency Allocations); collection, recording and publication of telecommunication information by a central **Bureau**; stations acquire rights & recognition of frequency use without harmful interference from stations of other nations.

1932: Unification of ITU

MARITIME, BROADCASTING, AERONAUTICAL, FIXED, AMATEUR Radio spectrum

Notification to
Bern Bureau:
rights &
recognition

1938: Radio expansion



Creation of the International Frequency
Registration Board (IFRB): Board members
are "custodians of international public
trust" (proposed as a kind of international court
of justice for disputes on the use radio spectrum).



1947: Birth of modern ITU



Table of Frequency Allocations

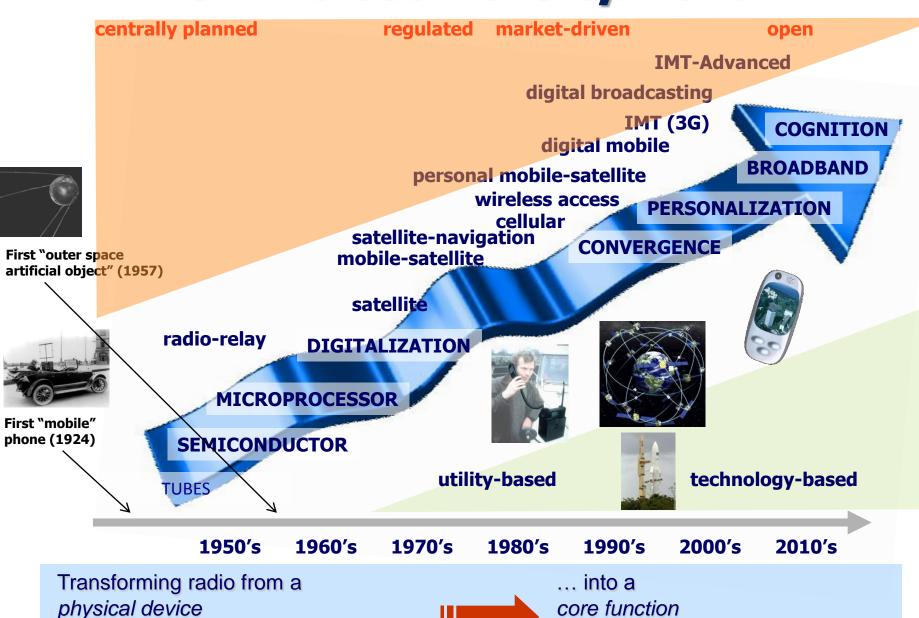
(bands & services)

Planned & unplanned bands (procedures & standards

Notification & rights + international recognition

IFRB CCIR

The Wireless Development



designed for a specific purpose ...

core function embedded in every device

