

"The Commons" includes the tangible and intangible spaces, assets and resources we share with co-inhabitants of this planet. The term may apply to local, national or global commons. It may apply to microscopic or planetary spaces, shared histories, collected information, material resources and ecosystems, cultural traditions, and more. The wireless commons is the invisible electromagnetic environment of the planetary ecosystem.

We are losing the vital evolutionary functions of our wireless commons to privatization and commercial exploitation by inadequately regulated corporate interests. And users of wireless devices as well as regulators are (willfully?) ignorant of the true biologic cost of this loss.

Preserving and protecting the commons in an unpolluted state is a complex moral, political and legal issue. This map offers links for insight, discussion and hopefully action.

LANCE MCKEE: INTERSECTION OF PUBLIC HEALTH AND SMART CITIES

Jerry Mander says that the sale of the commons to corporations is occurring because planetary resources are finite and the corporations must grow.

[The Capitalism Papers, review](#)

In this YouTube, Dr. Chomsky discusses how the tragedy of the commons was first a propaganda device used to privatize them for "their protection". The establishment of the commons was part of the Magna Carta -- 800 years ago!

[Noam Chomsky, YouTube](#)

* The concept of the commons works only when populations are low.

* Resources of the commons are limited.

* If all benefits of using more than one's per capita share return to one, but risks are always shared by everyone, there is no incentive to share the commons equally.

* A moral appeal to maintain the commons will not work as only the moral members will respond to the appeal.

[Garrett Hardin's points](#)

"... technology and human institutions are constantly evolving in novel and unpredictable ways. Furthermore, living things must compete with each other for space and resources; yet each organism also depends symbiotically on the well-being of the whole for its own survival and well-being. Indeed the welfare of all organisms -- including human beings -- is causally dependent on the health and stability of the ecosystems which sustain them. As a consequence, the stability and well-being of the Earth's biosystem has moral priority over the welfare of any of its parts -- including the needs and interests of human societies and individuals."

[Herschel Elliott](#)

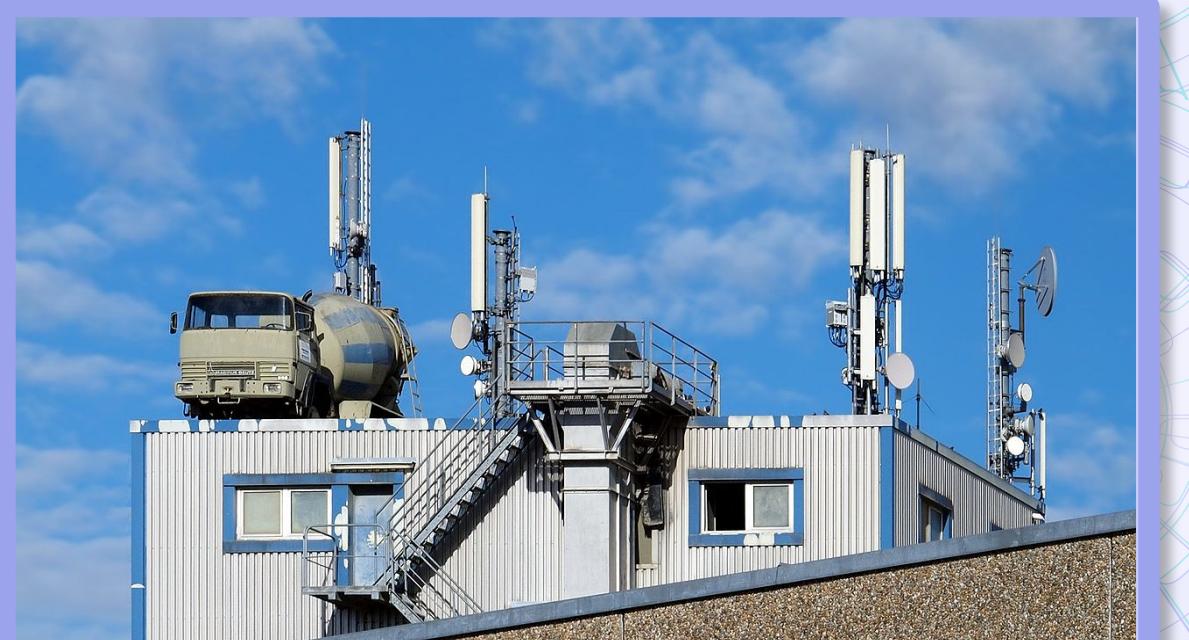
[TOWER NODES](#)

[SMART CITY HUB](#)

[SMART PHONE HUB](#)



THE TRAGEDY OF OUR WIRELESS COMMONS



<https://commons.wikimedia.org/wiki/User:lkar.us>

[FCC SPEED LAUNCH OF NEW TECH](#)



Home: [Oscillatorium](#)
Newest version [this map](#)
Date of this update: 09-07-18

Loss of Wireless Commons

[H.A.A.R.P.](#)

[WiFi hotspot map](#)

[Military exercises](#)

[Towers everywhere](#)

[Wireless wearables](#)

[Robots and drones](#)

[Antennas everywhere](#)

[Rural Internet blimps](#)

[RFID chips everywhere](#)

[Z-Wave, IoT connectivity](#)

[Mini-antennas fill in gaps](#)

[White space technologies](#)

[WiFi hotspots everywhere](#)

[Shannon-Hartley Theorem](#)

[Who Owns the Spectrum?](#)

[Map of wireless penetration](#)

[Global smart meter projects](#)

[Smart Dust, Connected Air](#)

["Promises" of the Smart Grid](#)

[Distributed antenna systems](#)

[Frequencies largely allocated](#)

[FCC broadband map 2018](#)

["Wireless only" households](#)

[Wearable wireless in medicine](#)

[Smart Cities, Internet of Things](#)

[Miniature radar hand sensors](#)

[Wireless antennas on power lines](#)

[Sky solutions, Internet from Space](#)

[Voice activated IoT everywhere](#)

[Networks compete with each other](#)

[Man-Made Barrier Shrouding Earth](#)

[Wireless on our bodies, replacing reality](#)

[Implantable wireless medical bio-sensors](#)

[Wireless Spectrum: Running Out of Room?](#)

[Google: a heterogeneous mix of technologies](#)

[Hive: combining smart meters into supercomputer](#)

The Commons

[10 Examples](#)

[Garrett Hardin Society](#)

[Bollier: the Commons](#)

[Statement: Hershel Elliott](#)

DR. GARRETT HARDIN:
THE TRAGEDY OF THE COMMONS

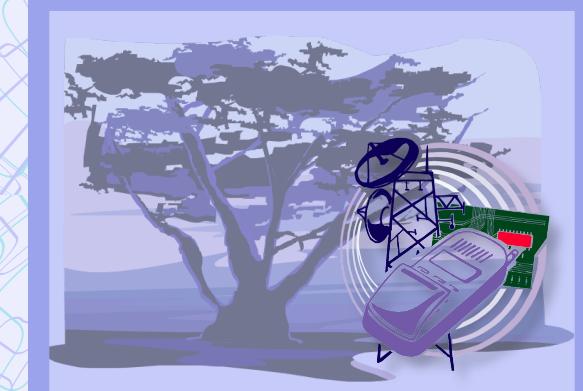
CINDY SAGE:
THE NEW WIRELESS COMMONS

DR. GEORGE CARLO:
CARRIER WAVES VS. CARRIED DATA
(THE PHYSIOLOGIC DIFFERENCE)

The New Wireless Commons

Examining Wireless Commons

Commons: Access Sage Article



COMMONS:

Air, land and water resources

Wild species and ecosystems

Cultural traditions

Shared histories

Public information domain

EMF PENETRATION:

EMF from private to common areas

EMF emitters in public buildings, spaces

EMF emissions on public lands

EMF sources in oceans, on coasts

EMF in the atmosphere

ARGENTINA PROPOSED LAW TO
REDUCE PUBLIC EXPOSURE

INDIA HAS LIMITED TOWER BAN

