



The World Wide Expansion of the Web

What Else Happened In HCI?
3/31/2025

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Introduction

Created
1989

Public
1993

Creator
**Tim
Berners
-Lee**

A system of interlinked hypertext documents accessed via the Internet, allowing users to navigate web pages and share information globally.[1]

Revolutionized communication, work, and information access by enabling instant global connections, knowledge sharing, and collaboration.

WWW is a way of accessing information through the internet HTML medium.[4]

Development of WWW

Origins and early Research[2]

1960's

Time-sharing.

Packet switching.

Crucial for data communication networks.

DARPA's Role[2]

1970's

Research commission.

Collaboration US, UK, France universities.

Funded ARPANET

Expansion and Commercialization[3]

1980's

NSFNET funding and private investments.

Merging of networks using DARPA's protocols.

Transition to Modern Internet[3]

1990's

Linking commercial networks and the advent of the WWW. Exponential growth in connected computers.

Source
[2][Internet Wiki](#)
[3][The Birth of the Web](#)

Impact on HCI

Education[6]

- Digital learning resources
- New job skills
- New or better access to hobbies

Economy[6]

- Online Job application and searching
- Job creation and new market area

Health[5]

- Online Health information for free
- Increase health awareness and doctor connectivity

Community[5]

- Online forums
- Social Media
- Family communication and sharing

Source

[5][14 Ways the Internet Improves Lives](#)

[6][The History and Purpose of the World Wide Web](#)

Conclusion

- Internet: niche research to global platform, revolutionizing life.
- World Wide Web: enabled global information sharing.
- Community: benefits from innovative web interactions, Tim Berners-Lee's foundations.
- Technologies: HTML, JavaScript enhance interactions creatively/formally.
- Future: Internet and Web drive innovation/connectivity.



Sources

1. [1] "The History and Purpose of the World Wide Web," The history and purpose of the World Wide Web, https://web.augsburg.edu/~erickson/edc220/history_www.html (accessed Apr. 17, 2025).
2. [2] A. B. Lane, "14 ways the internet improves our lives," Community Tech Network, <https://communitytechnetwork.org/blog/14-ways-the-internet-improves-our-lives/> (accessed Apr. 17, 2025).
3. [3] "A short history of the internet," National Science and Media Museum, <https://www.scienceandmediamuseum.org.uk/objects-and-stories/short-history-internet> (accessed Apr. 17, 2025).
4. [4] "CERN accelerating science," CERN, <https://home.cern/science/computing/birth-web> (accessed Apr. 17, 2025).
5. [5] "Internet," Wikipedia, <https://en.wikipedia.org/wiki/Internet> (accessed Apr. 17, 2025).
6. [6] "World wide web," Wikipedia, https://en.wikipedia.org/wiki/World_Wide_Web (accessed Apr. 17, 2025).