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community networks - wireless Leiden Wolter Lemstra, Leo van Audenhove, Huub Schuurmans, Martin Vijn and Gerard Mourits; Part II. The Wi-Fi Journey in Perspective: 7. Wi-Fi in developing countries - catalyst for network extension and telecom reform William Melody; 8. The Dutch connection to US-based NCR, AT&T, Lucent Technologies, and Agere Systems Wolter Lemstra, Marianne van der Steen, Ronald Brockmann, Jaap Haartsen, Cees Links, Richard van Nee, Bruce Tuch and Allert van Zelst; 9. Wi-Fi as community based innovation Ellen van Oost, Stefan Verhaegh, Nelly Oudshoorn and Wolter Lemstra; 10. The governance of radio spectrum - license-exempt devices Peter Anker, Wolter Lemstra and Vic Hayes; 11. Exploring the future of Wi-Fi Pierre Rossel and Matthias Finger; 12. Reflections and implications for policy and strategy formation Wolter Lemstra and John Groenewegen; Part III. Annexes: Annex 1. Glossary Wolter Lemstra; Annex 2. Timeline of major events related to Wi-Fi Wolter Lemstra and Vic Hayes; Annex 3. Overview of IEEE 802.11 Wireless-LAN standards Vic Hayes; Annex 4. The Wi-Fi ecosystem Gerd-Jan de Leeuw; Index.

Sommario/riassunto

Wi-Fi has become the preferred means for connecting to the internet - at home, in the office, in hotels and at airports. Increasingly, Wi-Fi also provides internet access for remote communities where it is deployed by volunteers in community-based networks, by operators in 'hotspots' and by municipalities in 'hotzones'. This book traces the global success of Wi-Fi to the landmark change in radio spectrum policy by the US FCC in 1985, the initiative by NCR Corporation to start development of Wireless-LANs and the drive for an open standard IEEE 802.11, released in 1997. It also singles out and explains the significance of the initiative by Steve Jobs at Apple to include Wireless-LAN in the iBook, which moved the product from the early adopters to the mass market. The book explains these developments through first-hand accounts by industry practitioners and concludes with reflections and implications for government policy and firm strategy.
