

DIGITAL GIANTS AND THE SUSTAINABLE **DEVELOPMENT GOALS**

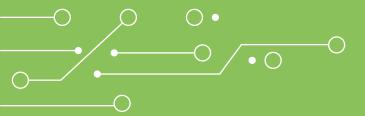
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it takes many organizations to create a thriving digital the world has notched 50 percent online and its fourth

advertisements, data, and attention).

Deploying Infrastructure

Making Inclusive Markets



and secure, dignified working conditions for individuals To be clear, this balance is a work in progress, and a combination of carrots (partnerships) and sticks (regulations) will be necessary to make sure these markets are fair and not exploitative.³⁶

Upskilling a Generation

Goal 4 focuses on *equitable access and lifelong learning*. Platforms, including the giants, are developing upskilling programs for gig workers and small-scale sellers and creating training materials like Grow with Google and Facebook for Business that teach valuable business skills to entrepreneurs.³⁷ Meanwhile, in K-12 learning, advancements in e-learning continue, accelerated by COVID-19 and the demand for remote instruction. Google's YouTube platform hosts a vast array of third-party content. Khan Academy on YouTube is just one great example here: clear, concise instruction in mathematics, available 'for free' in English, Portuguese, Hindi, Spanish and Gujarati.

Remaining Challenges

Two caveats are in order. First, this article is too brief to explore all the permutations of digital giants' engagement with the SDGs. Second, it is critical to simultaneously acknowledge some ways in which the current digital ecosystem actually works against the SDGs—for example, in hosting and spreading disinformation, ³⁸ in underestimating the risks of Al bias ³⁹ and in allowing skewed competition, ⁴⁰ there are substantive critiques of the digital giants which cannot be ignored by the digital development community.

Yet the examples above illustrate how the world's larges digital companies are playing an important, albeit complex, role in the world's advancement towards an inclusive digital economy.

To frame a closing challenge, though, note the absence of Goal 1—ending poverty in "all its forms, everywhere"—from this list. The digital giants were built to advertise to the first billion, to bring groceries or airport rides

to the first billion, etc. Given the lack of purchasing power among the world's most poor, vulnerable digital businesses, large and small, will struggle to find business rationales to directly and profitably serve the last billion. Even the gig workers and microenterprises finding new digital livelihoods are not (yet) members of the last billion—they are still mostly urban, and mostly young. Of course, the digital giants have the advantage of scale, and may be better positioned to offer digital connectivity and services 'for free' to the poor, but this is not the same as offering services tailored to or for the poor.

extends transactional business models and lowers the cost of acquiring and serving customers is required to include and serve the last billion. Innovations like Reliance Jio (nearly free internet) and MPESA (sachet-based financial services) are promising and important exceptions to tech's focus on middle-and high-income users. But there remains a risk of technologies continuing to exacerbate separation between those who are able to take advantage of these technologies and those who are not, and, in the case of the current digital giants, those who are valuable to advertise to and those who are not. In the longer run, a failure to make technologies work for everyone, even outside the market incentives to do so, may end up leaving a subset of our world on the outside looking in, and perhaps even poorer for it. It is precisely the job of the digital development community to be aware of this tension and the persistence of a digital divide, and not to put all its faith and eggs in the (market) basket of the business logics of the giants, while working productively with them to build a better and more inclusive digital economy for everyone.