

### **Additional quotes**

'Impacts of Meeting Minimum Access on Critical Earth Systems Amidst the Great Inequality', in: *Nature Sustainability* (10 November 2022)

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Co-author Cristina Inoue, Radboud University and University of Brasilia and Earth Commission member, says, "Had we achieved access goals in 2018 with the prevailing economic frameworks and methods of production, we would have further overshoot those Earth system boundaries."

"We can only conclude that economic, technological and behavioral change thus far, while improving some lives, has not been sufficient to lift people to minimum access levels whilst still respecting Earth systems. This shows the urgent need for transforming our societies." she continued.

Co-author Diana Liverman, Professor in Geography, Development & Environment, University of Arizona and Earth Commissioner says, "This new analysis shows potential trade-offs between earth system stability and development goals of eradicating poverty and ensuring food, water, shelter, mobility, and energy for all - and that reducing the consumption - especially of the wealthiest can create the space for everyone to thrive while staying within Earth system boundaries".

Co-author Laura Pereira, University of the Witwatersrand, South Africa and Earth Commission member explains: "The paper points to the importance of fundamental transformative changes that address poverty and inequality while reducing environmental impacts - there is an urgent need for new political, economic, behavioral, and technological systems that protect people and the planet."

"Broad societal transformations across sectors, especially addressing the impacts of elites, from energy, industry and transport; food and agriculture; and the built environment, including cities and infrastructure, coupled with effective redistributive mechanisms based on principles of equity are critical to achieve a safe and just future for all." she continued

Co-author Ilona M. Otto, Wegener Center for Climate and Global Change, University of Graz and Earth Commission member adds: "While the 20th Century was characterized by the phenomenon of Great Acceleration, the 21st Century is emerging as the Great Inequality era. Reducing inequalities within and across countries are at the core of addressing the climate crisis and responding to the multitude of systemic and cascading risks we are facing today. A new global social pact is needed to renegotiate the well being for all human beings on planet Earth." she continued."