Development vs sustainability
How can we find the right balance?

Dr Giulio Boccaletti
The Nature Conservancy

For more information:  www.hydropower.org/congress
The Nature Conservancy
Conserving Rivers to Ensure that People and Nature Thrive
Dr. Giulio Boccaletti | Global Managing Director, Water

5th World Hydropower Congress | Development vs Sustainability
Global hydropower will double in next three decades
Under business as usual rivers unaffected by dams will decline dramatically
There is an alternative

These two scenarios provide same level of energy development (65% of basin inventory), but Scenario 22 (right) maintains nearly twice as much connected channel network with 5% greater overall cost.
100 thousand kilometers of river at stake

- **Range of potential for improvement through Hydropower by Design**
- **Minimum kilometers affected by fragmentation**
- **First estimate**: best practices at project and system scale would add 5 - 20% in costs
- **Business case**: potential benefits in terms of risk management
- **Economic case**: broader benefits for countries
- How to mobilize funds and incentivize best practices?
The mission of The Nature Conservancy is to conserve the lands and waters on which all life depends.

THANK YOU

Dr. Giulio Boccaletti
Global Managing Director, Water
The Nature Conservancy