

*Striving to achieve  
through international  
standards*



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# Importance of global standards

Drive competitiveness, for individual businesses and world economy;

Lower prices;

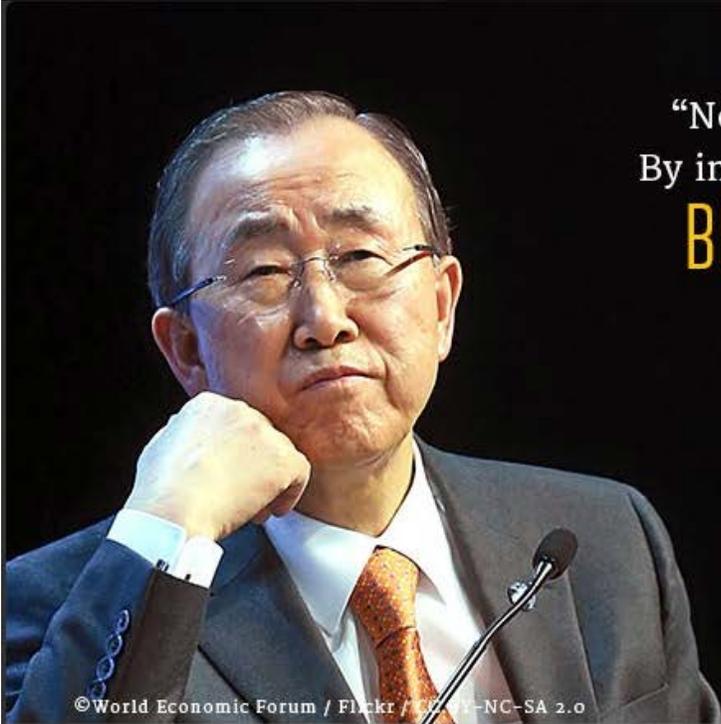
Reduce technical barriers;

Foster interoperability;

Manufacturers, network operators  
and consumers;

Reduce negative impacts on the environment.





“Now we must move from aspirations to action. By implementing the Paris Agreement, we will be **BUILDING THE FUTURE WE WANT...** on a planet that is protected and nurtured for the benefit of all.”

UN SECRETARY-GENERAL  
**BAN KI-MOON**

Source: <http://bit.ly/1oWJ0M8>

DEMAND THAT WORLD LEADERS SIGN THE PARIS AGREEMENT THIS EARTH DAY:  
<http://climaterealityproject.org/earthday>

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6 CLEAN WATER AND SANITATION



Partnering for solutions:  
ICTs in Smart Water Management



Smart Water Management in Cities



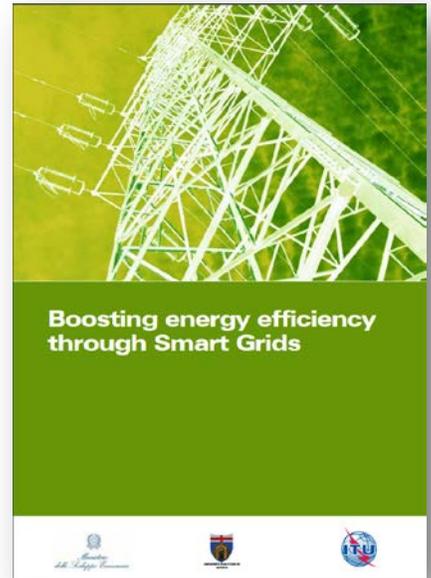
Requirements for water sensing and early warning systems

700 million people in 43 countries are suffering from water stress and scarcity

1 billion people without access to clean water

ITU-T L Suppl.16 to ITU-T L.1500

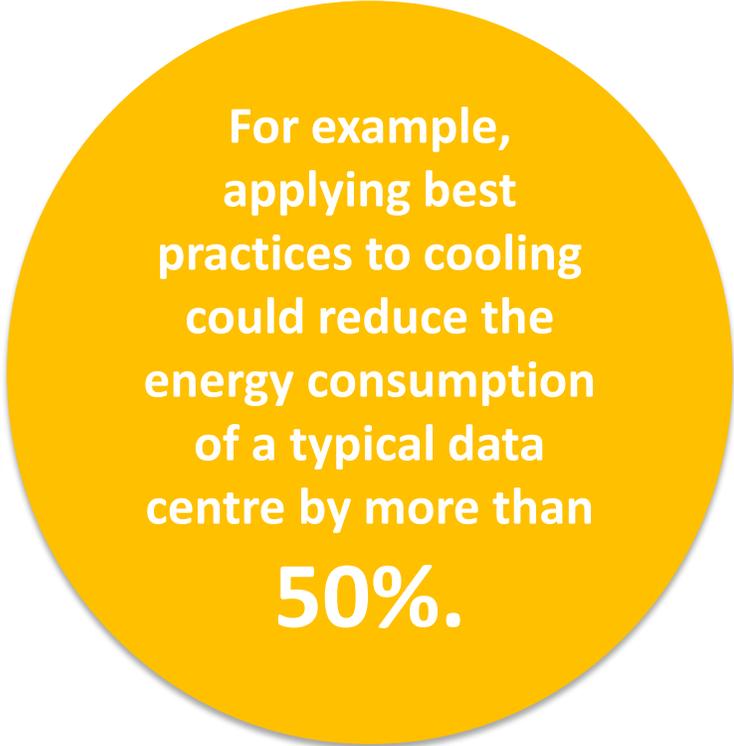
ITU-T L Suppl.15 to ITU-T L.1500



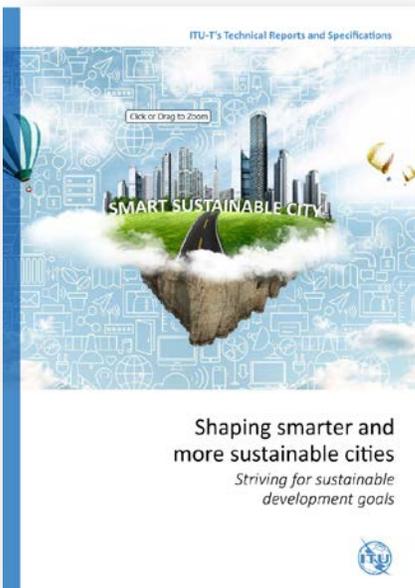
ITU-T L.1300  
ITU-T L.1301  
ITU-T L.1302



ITU-T L.1310  
ITU-T L.1320  
ITU-T L.1321  
ITU-T L.1330  
ITU-T L.1340



# 11 SUSTAINABLE CITIES AND COMMUNITIES



KPIs for SSC



International Definition

By 2050, **70%** of the world's population is expected to live in urban environments

Cities produce up to **70%** of global greenhouse gas emissions

ITU-T L.1603 (Draft)

ITU-T L Suppl.17 to ITU-T L.1600  
ITU-T L Suppl.18 to ITU-T L.1600



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



Sustainable management of waste electrical and electronic equipment in Latin America



Power supply series



ITU-T L.1000  
ITU-T L.1001  
ITU-T L.1002 (draft)  
ITU-T L.1005

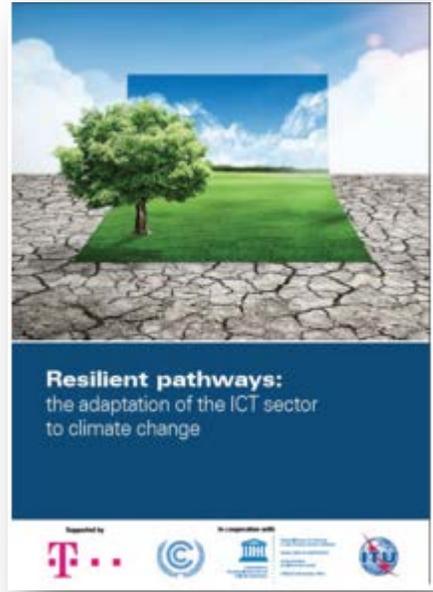
Recycling of rare metals in ICT products

ITU-T L.1100  
ITU-T L.1101



A ton of gold ore yields just 5 g of gold, whereas a ton of used mobile phones yields a staggering 400 g.





Adapting information and communication technology infrastructure to the effects of climate change



Methodologies to assess the environmental impact of ICT

195 countries  
Keep warming "well below 2°C".

ITU-T L.1500  
ITU-T L.1501  
ITU-T L.1502

ITU-T L.1400  
ITU-T L.1410  
ITU-T L.1420  
ITU-T L.1430  
ITU-T L.1440





Thank you



