



United Nations Commission on Science and Technology for Development
2015-2016 Inter-sessional Panel
Carol Bothwell
Director, Technology Innovation for Development
Catholic Relief Services

To achieve the SDGs, changes are required to the way we work and interact



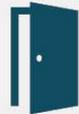
Development Sector	Primary Related Goal
Livelihoods	G1 End poverty in all its forms everywhere. G8 Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all.
Agriculture	G2 End hunger, achieve food security and improved nutrition and promote sustainable agriculture.
Health	G3 Ensure healthy lives and promote well-being for all at all ages.
Education	G4 Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.
Water, Sanitation & Power	G6 Ensure availability and sustainable management of water and sanitation for all. G7 Ensure access to affordable, reliable, sustainable and modern energy for all.
Infrastructure	G9 Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation. ² G11 Make cities and human settlements inclusive, safe, resilient and sustainable.
Disaster Relief	G11 Make cities and human settlements inclusive, safe, resilient and sustainable.
Governance & Human Rights	G5 Achieve gender equality and empower all women and girls. G10 Reduce inequality within and among countries. G16 Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels.
Environmental Protection	G12 Ensure sustainable consumption and production patterns. G13 Take urgent action to combat climate change and its impacts (taking note of agreements made by the UNFCCC forum). G14 Conserve and sustainably use the oceans, seas and marine resources for sustainable development. G15 Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, halt and reverse land degradation and halt biodiversity loss.
Cross Cutting	G17 Strengthen the means of implementation and revitalize the global partnership for sustainable development.

ICT is a strategic enabler of these changes

ICT has tremendous potential to accelerate achievement of the SDGs by:



Enhancing our capability to measure progress toward all the SDGs, evaluate the methods used to achieve them, learn what is working and not working, and improve the timeliness and quality of decision-making.



Providing opportunities to streamline and enhance the efficiency and effectiveness of the activities we undertake across the development landscape.



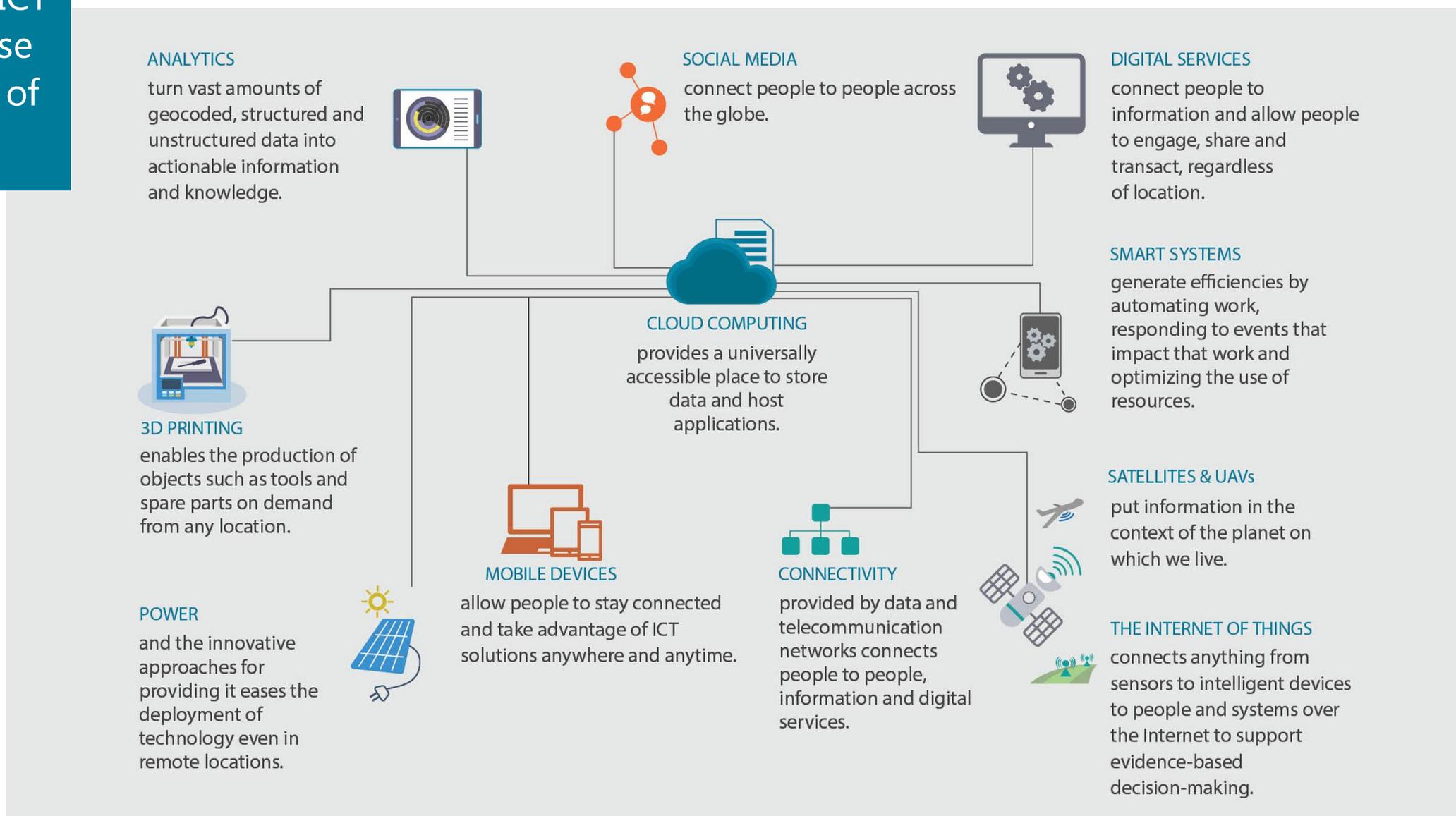
Providing access to a whole new range of digitally enabled products and services which strengthen local economies, local innovation and local communities.

ICT solutions are emerging to meet the information needs of every sector

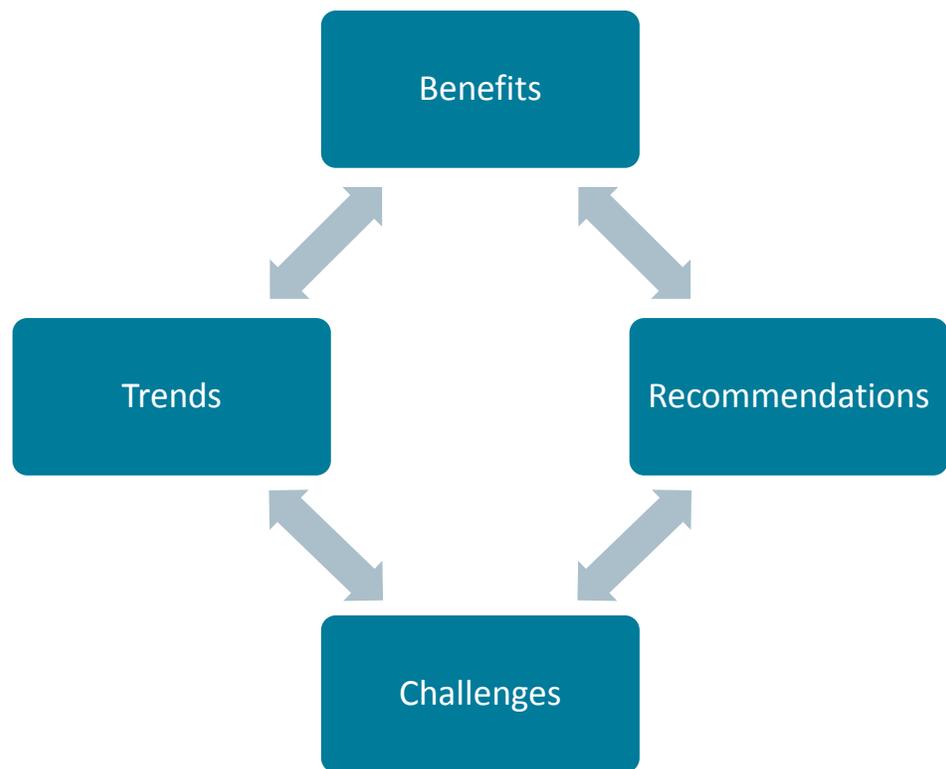
Stakeholder	Sector Interest	Examples	ICT Applications
Consumers	Benefit from sector services	Food production Medical services Water Power	<ul style="list-style-type: none"> Learn about, access and take advantage of sector services to improve living conditions, livelihoods and opportunities. Be recognized and advocate for changes to sector services to better meet needs. Hold institutions accountable for making those changes.
Frontline Workers (entrepreneurs or employees)	Deliver sector services at a community level	Agriculture extension workers Community health workers Local school teachers	<ul style="list-style-type: none"> Build worker capacity and improve work quality. Record service delivery and obtain feedback. Advocate for changes in working conditions. Hold institutions accountable for fair labor practices.
Businesses	Provide sector-specific commercial services and products	Family farms Large agro-enterprises Health clinics Major hospitals Mini-grid entrepreneurs On-grid energy providers	<ul style="list-style-type: none"> Access information services that affect market opportunities. Reduce market transaction costs. Link to new markets. Optimize business processes and use of resources to improve profitability and reduce negative social and environmental impacts.
Government Agencies	Provide sector-specific government services	Agriculture ministry Education ministry Health ministry Justice ministry	<ul style="list-style-type: none"> Improve the transparency of government services and assess their impact. Improve service quality and lower service delivery costs. Optimize use of resources. Foster innovation. Proactively engage citizens and business communities.
Civil Society Organizations	Advocate for and serve consumer, citizen and sector worker interests	Farmer cooperative Learning alliance Conservation group NGO	<ul style="list-style-type: none"> Improve operational efficiency. Improve service impacts.



Many promising ICT solutions make use of a common set of building blocks



The Playbook
examines each
building block in detail



POWER

MOBILE
DEVICES

CONNECTIVITY

INTERNET
OF THINGS

CLOUD
COMPUTING

ANALYTICS

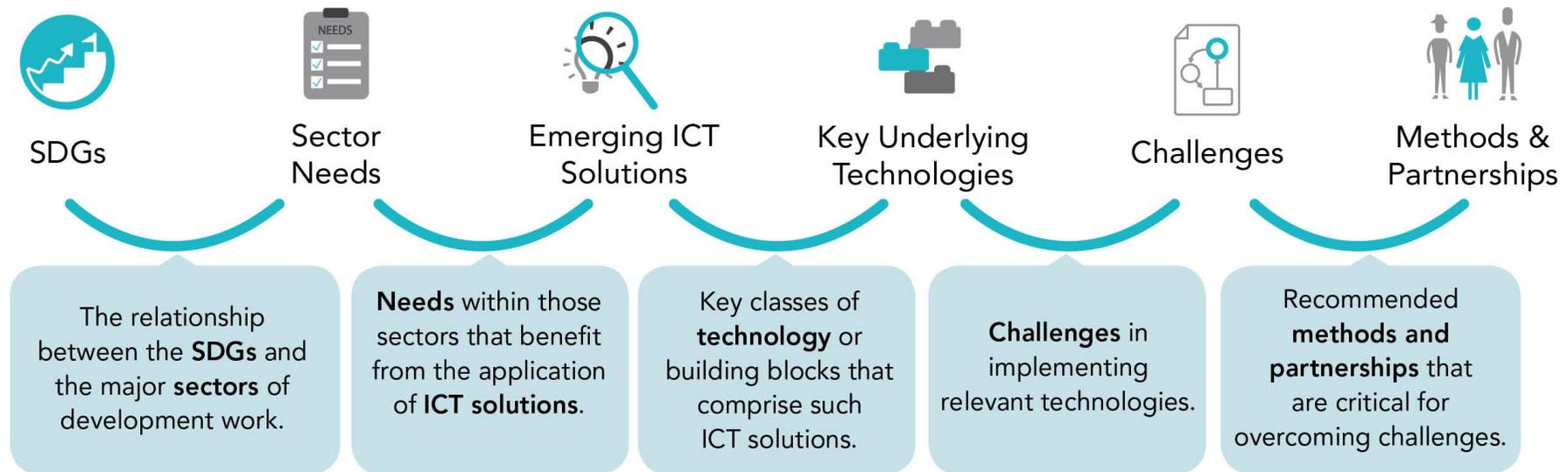
SOCIAL
MEDIA

DIGITAL
SERVICES

SMART
SYSTEMS

3D
PRINTING

The Playbook is a start of a conversation on leveraging the full potential of ICT in efforts to attain the SDGs



We hope you will join us
in continuing this
conversation

Carol Bothwell
Director, Technology Innovation for Development
Catholic Relief Services
carol.Bothwell@crs.org



<http://solutionscenter.nethope.org/toolkit/view/sdg-ict-playbook-from-innovation-to-impact>



www.ict4dconference.org