



ITU-R Publications related to the Sustainable Development Goals (SDGs)

In response to Resolution ITU-R 61-2 "ITU-R's contribution in implementing the outcomes of the World Summit on the Information Society and the 2030 Agenda for Sustainable Development", the Radiocommunication Bureau continues to work on WSIS implementation and follow-up activities within its mandate as well as in achieving the Sustainable Development Goals (SDGs).

This document lists the ITU-R publications directly relevant to the specific SDGs.

SDG	Related ITU-R Publication(s)
SDG 1 – No poverty	Handbooks
1 NO	ITU-R HDB-62 – Handbook on Global Trends in IMT
POVERTY	Number of ITU-R publications:
M *****	Handbooks: 1
Economic growth	
must be inclusive to provide sustainable	
jobs and promote equality.	





SDG 2 – Zero

Hunger



The food and agriculture sector offers key solutions for development, and is central for hunger and poverty eradication.

Related ITU-R Publication(s)

Recommendations

- Recommendation ITU-R M.2083 IMT Vision Framework and overall objectives of the future development of IMT for 2020 and beyond
- Recommendation ITU-R M.2115 Technical and operational characteristics of and protection criteria for aeronautical mobile systems operating in the 45.5-47 GHz frequency range
- Recommendation ITU-R RS.577 Frequency bands and required bandwidths used for spaceborne active sensors operating in the Earth exploration-satellite (active) and space research (active) services
- Recommendation ITU-R RS.1744 Technical and operational characteristics of ground-based meteorological aids systems operating in the frequency range 272-750 THz
- Recommendation ITU-R RS.1804 Technical and operational characteristics of Earth exploration-satellite service (EESS) systems operating above 3 000 GHz
- Recommendation ITU-R RS.1883 Use of remote sensing systems in the study of climate change and the effects thereof

Reports

- Report ITU-R M.2204 Characteristics and spectrum considerations for sense and avoid systems use on unmanned aircraft systems
- Report ITU-R M.2224 System design guidelines for wide area sensor and/or actuator network (WASN) systems
- Report ITU-R M.2440 The use of the terrestrial component of International Mobile Telecommunications for narrowband and broadband machine-type communications
- Report ITU-R M.2441 Emerging usage of the terrestrial component of International Mobile Telecommunication (IMT)
- Report ITU-R M.2458 Radionavigation-satellite service applications in the 1 164-1 215 MHz, 1 215-1 300 MHz and 1 559-1 610 MHz frequency bands
- Report ITU-R RA.2259 Characteristics of radio quiet zones
- Report ITU-R RS.2274 Spectrum requirements for spaceborne synthetic aperture radar applications planned in an extended allocation to the Earth exploration-satellite service around 9 600 MHz
- Report ITU-R RS.2178 The essential role and global importance of radio spectrum use for Earth observations and for related applications
- Report ITU-R SM.2045 Spectrum management principles, challenges and issues related to dynamic access to frequency bands by means of radio systems employing cognitive capabilities
- Report ITU-R SM.2423 Technical and operational aspects of low-power wide-area networks for machine-type communication and the Internet of Things in frequency ranges harmonised for SRD operation

Number of ITU-R publications:

Recommendations: 6

Reports: 10





SDG Related ITU-R Publication(s) Handbooks

SDG 3 - Good health and wellbeing





Ensuring healthy lives and promoting the well-being for all at all ages is essential to sustainable development.

- ITU-R HDB-33 Handbook on HF broadcasting system design
- ITU-R HDB 41 Handbook on Mobile-satellite service (MSS)
- ITU-R HDB 46 Migration to IMT-2000 Systems Supplement 1 Handbook Deployment of IMT-2000 Systems
- ITU-R HDB-57 Handbook on Land Mobile Volume 5 Deployment of Broadband Wireless Access Systems
- ITU-R HDB-62 Handbook on Global Trends in IMT

Questions

- Question ITU-R 239/1 Electromagnetic field measurements to assess human exposure
- Question ITU-R 37-6/5 Digital land mobile systems for specific applications

Recommendations

- Recommendation ITU-R BS.1698 Evaluating fields from terrestrial broadcasting transmitting systems operating in any frequency band for assessing exposure to non-ionizing radiation
- Recommendation ITU-R BT.1702 Guidance for the reduction of photosensitive epileptic seizures caused by television
- Recommendation ITU-R F.1490 Generic requirements for fixed wireless access systems
- Recommendation ITU-R M.1787 Description of systems and networks in the radionavigation-satellite service (space-to-Earth and space-to-space) and technical characteristics of transmitting space stations operating in the bands 1 164-1 215 MHz, 1 215-1 300 MHz and 1 559-1 610 MHz
- Recommendation ITU-R M.1822 Framework for services supported by IMT
- Recommendation ITU-R M.2083 IMT Vision Framework and overall objectives of the future development of IMT for 2020 and beyond
- Recommendation ITU-R SM.1056 Limitation of radiation from industrial, scientific and medical (ISM) equipment
- Recommendation ITU-R SM.1755 Characteristics of ultra-wideband technology
- Recommendation ITU-R SNG.770 Uniform operational procedures for digital satellite new gathering (DSNG)

Reports

- Report ITU-R BS.2037 Evaluating fields from terrestrial broadcasting transmitting systems operating in any frequency band for assessing exposure to non-ionizing radiation
- Report ITU-R BT.2049 Broadcasting of multimedia and data applications for mobile reception
- Report ITU-R BT.2293 Principles for the comfortable viewing of stereoscopic three-dimensional television (3DTV) images
- Report ITU-R BT.2420 Collection of usage scenarios and current statuses of advanced immersive audio-visual systems





SDG	Related ITU-R Publication(s)
	Report ITU-R F.2086 – Technical and operational characteristics and applications of broadband wireless access in the fixed service.
	Report ITU-R M.2038 – Technology trends
	Report ITU-R M.2072 – World mobile telecommunication market forecast
	Report ITU-R M.2218 – Traffic forecasts and estimated spectrum requirements for future development of the mobile-satellite service in the
	range 4-16 GHz
	Report ITU-R M.2224 – System design guidelines for wide area sensor and/or actuator network (WASN) systems
	Report ITU-R M.2243 – Assessment of the global mobile broadband deployments and forecasts for International Mobile Telecommunications
	Report ITU-R M.2320 – Future technology trends of terrestrial IMT systems
	Report ITU-R M.2377 – Radiocommunication objectives and requirements for Public Protection and Disaster Relief
	Report ITU-R M.2440 – The use of the terrestrial component of International Mobile Telecommunications for narrowband and broadband
	machine-type communications
	Report ITU-R M.2441 – Emerging usage of the terrestrial component of International Mobile Telecommunication (IMT)
	• Report ITU-R M.2458 – Radionavigation-satellite service applications in the 1 164-1 215 MHz, 1 215-1 300 MHz and 1 559-1 610 MHz frequency
	<u>bands</u>
	Report ITU-R RA.2259 – Characteristics of radio quiet zones
	Report ITU-R SM.2180 – Impact of industrial, scientific and medical (ISM) equipment on radiocommunication services
	Report ITU-R SM.2212 – Impact of power line telecommunication systems on radiocommunication systems operating in the VHF and UHF
	bands above 80 MHz
	Report ITU-R SM.2405 – Spectrum management principles, challenges and issues related to dynamic access to frequency bands by means of
	radio systems employing cognitive capabilities
	Report ITU-R SM.2422 – Visible light for broadband communications
	Number of ITU-R publications:
	Handbooks: 5
	Questions: 2
	Recommendations: 9
	Reports: 20





SDG Related ITU-R Publication(s)

SDG 4 – Quality education





Obtaining a quality education is the foundation to improving people's lives and sustainable development.

Handbooks

- ITU-R HDB-33 Handbook on HF broadcasting system design
- ITU-R HDB 46 Migration to IMT-2000 Systems Supplement 1 Handbook Deployment of IMT-2000 Systems
- ITU-R HDB-52 Amateur and amateur-satellite services
- ITU-R HDB-57 Handbook on Land Mobile Volume 5 Deployment of Broadband Wireless Access Systems
- ITU-R HDB-62 Handbook on Global Trends in IMT

Recommendations

- Recommendation ITU-R BT.2075 Integrated broadcast-broadband system
- Recommendation ITU-R F.1490 Generic requirements for fixed wireless access systems
- Recommendation ITU-R M.1768 Methodology for calculation of spectrum requirements for the terrestrial component of International Mobile Telecommunications
- Recommendation ITU-R M.1822 Framework for services supported by IMT
- Recommendation ITU-R M.2047 Detailed specifications of the satellite radio interfaces of International Mobile Telecommunications-Advanced (IMT-Advanced)
- Recommendation ITU-R M.2083 IMT Vision Framework and overall objectives of the future development of IMT for 2020 and beyond

Reports

- Report ITU-R BT.2003 The harmonization of DTV standards between broadcast and non-broadcast applications
- Report ITU-R BT.2025 Progress on development and implementation of interactivity in broadcasting systems and services
- Report ITU-R BT.2070 Broadcasting of content protection signalling for television
- Report ITU-R F.2086 Technical and operational characteristics and applications of broadband wireless access in the fixed service
- Report ITU-R M.2038 Technology trends
- Report ITU-R M.2072 World mobile telecommunication market forecast
- Report ITU-R M.2176 Vision and requirements for the satellite radio interface(s) of IMT-Advanced





SDG	Related ITU-R Publication(s)
	Report ITU-R M.2243 – Assessment of the global mobile broadband deployments and forecasts for International Mobile Telecommunications
	Report ITU-R M.2370 – IMT traffic estimates for the years 2020 to 2030
	• Report ITU-R M.2398 – Scenarios and performance of an integrated MSS system operating in frequency bands below 3 GHz
	• Report ITU-R SA.2312 – Characteristics, definitions and spectrum requirements of nanosatellites and picosatellites, as well as
	systems composed of such satellites
	Report ITU-R SM.2012 – Economic aspects of spectrum management
	• Report ITU-R SM.2405 – Spectrum management principles, challenges and issues related to dynamic access to frequency bands by means of
	radio systems employing cognitive capabilities
	Number of ITU-R publications:
	Handbooks: 5
	Recommendations: 6
	Reports: 13
SDG 5 – Gender	Handbooks
equality	• ITU-R HDB-62 – Handbook on Global Trends in IMT
5 GENDER EQUALITY	
O EQUALITY	Resolutions
~7	• Resolution ITU-R 15-6 – Appointment and maximum term of office for Chairmen and Vice-Chairmen of Radiocommunication Study Groups,
	the Coordination Committee for Vocabulary and of the Radiocommunication Advisory Group
Y	Number of ITU-R publications:
	Handbooks: 1
Gender equality is	Resolutions: 1
not only a	
fundamental human	
right, but a	
necessary	
foundation for a peaceful,	
prosperous and	
sustainable world.	





SDG	Related ITU-R Publication(s)
SDG 6 – Clean water	Handbooks
and sanitation	ITU-R HDB-33 – Handbook on HF broadcasting system design
6 CLEAN WATER AND SANITATION	Recommendations
	Recommendation ITU-R P.527 – Electrical characteristics of the surface of the Earth
	Reports
	Report ITU-R M.2136 – Theoretical analysis and testing results pertaining to the determination of relevant interference protection criteria of
Clean, accessible	ground-based meteorological radars
water for all is an essential part of the	 Report ITU-R M.2440 – The use of the terrestrial component of International Mobile Telecommunications for narrowband and broadband machine-type communications
world we want to	Report ITU-R M.2441 – Emerging usage of the terrestrial component of International Mobile Telecommunication (IMT)
live in.	Report ITU-R RS.2178 – The essential role and global importance of radio spectrum use for Earth observations and for related applications
	• Report ITU-R S.2365 – Assessment on use of spectrum in the 10-17 GHz band for the GSO fixed-satellite service in Region 1
	• Report ITU-R S.2366 – Assessment on use of spectrum in the 13-17 GHz range for the GSO fixed-satellite service in Regions 2 and 3
	Number of ITU-R publications:
	Handbooks: 1
	Recommendations: 1
	Reports: 6





SDG	Related ITU-R Publication(s)
SDG 7 – Affordable	Recommendations
and clean energy	• Recommendation ITU-R M.2083 – IMT Vision – Framework and overall objectives of the future development of IMT for 2020 and beyond
7 AFFORDABLE AND CLEAN ENERGY	Reports
11/	Report ITU-R BT.2385 – Reducing the environmental impact of terrestrial broadcasting systems
-(b)-	Report ITU-R M.2320 – Future technology trends of terrestrial IMT systems
711	• Report ITU-R M.2440 – The use of the terrestrial component of International Mobile Telecommunications for narrowband and broadband machine-type communications
Ensure access to	Report ITU-R M.2441 – Emerging usage of the terrestrial component of International Mobile Telecommunication (IMT)
affordable, reliable, sustainable and	 Report ITU-R M.2458 – Radionavigation-satellite service applications in the 1 164-1 215 MHz, 1 215-1 300 MHz and 1 559-1 610 MHz frequency bands
modern energy for all.	• Report ITU-R RS.2274 – Spectrum requirements for spaceborne synthetic aperture radar applications planned in an extended allocation to the Earth exploration-satellite service around 9 600 MHz
	Report ITU-R SM.2351 – Smart grid utility management systems
	 Report ITU-R SM.2405 – Spectrum management principles, challenges and issues related to dynamic access to frequency bands by means of radio systems employing cognitive capabilities
	 Report ITU-R SM.2423 – Technical and operational aspects of low-power wide-area networks for machine-type communication and the Internet of Things in frequency ranges harmonised for SRD operation
	Number of ITU-R publications:
	Recommendations: 1
	Reports: 9





SDG Related ITU SDG 8 – Decent Handbooks

work and economic growth





Sustainable economic growth will require societies to create the conditions that allow people to have quality jobs.

Related ITU-R Publication(s)

- ITU-R HDB-57 Handbook on Land Mobile Volume 5 Deployment of Broadband Wireless Access Systems
- ITU-R HDB-62 Handbook on Global Trends in IMT

Recommendations

- Recommendation ITU-R M.2083 IMT Vision Framework and overall objectives of the future development of IMT for 2020 and beyond
- Recommendation ITU-R SM.1603 Spectrum redeployment as a method of national spectrum management
- Recommendation ITU-R S.1878 Multi-carrier based transmission techniques for satellite systems

Reports

- Report ITU-R BT.2385 Reducing the environmental impact of terrestrial broadcasting systems
- Report ITU-R F.2323 Fixed service use and future trends
- Report ITU-R M.2072 World mobile telecommunication market forecast
- Report ITU-R M.2077 Traffic forecasts Traffic forecasts and estimated spectrum requirements for the satellite component of IMT-2000 and systems beyond IMT-2000* for the period 2010 to 2020
- Report ITU-R M.2243 Assessment of the global mobile broadband deployments and forecasts for International Mobile Telecommunications
- Report ITU-R M.2320 Future technology trends of terrestrial IMT systems
- Report ITU-R M.2370 IMT traffic estimates for the years 2020 to 2030
- Report ITU-R M.2411 Requirements, evaluation criteria and submission templates for the development of IMT-2020
- Report ITU-R M.2412 Guidelines for evaluation of radio interface technologies for IMT-2020
- Report ITU-R M.2441 Emerging usage of the terrestrial component of International Mobile Telecommunication (IMT)
- Report ITU-R M.2458 Radionavigation-satellite service applications in the 1 164-1 215 MHz, 1 215-1 300 MHz and 1 559-1 610 MHz frequency bands
- Report ITU-R M.2460 Key elements for integration of satellite systems into Next Generation Access Technologies
- Report ITU-R S.2173 Multi-carrier based transmission techniques for satellite systems
- Report ITU-R SM.2012 Economic aspects of spectrum management
- Report ITU-R SM.2405 Spectrum management principles, challenges and issues related to dynamic access to frequency bands by means of radio systems employing cognitive capabilities
- Report ITU-R SM.2351 Smart grid utility management systems
- Report ITU-R SM.2353 The challenges and opportunities for spectrum management resulting from the transition to digital terrestrial television in the UHF bands

Number of ITU-R publications:

Handbooks: 2

Recommendations: 3

Reports: 17



Reports: 14



SDG Related ITU-R Publication(s) SDG 9 -Industry, Recommendations innovation and Recommendation ITU-R M.1308 – Evolution of land mobile systems towards IMT-2000 infrastructure Recommendation ITU-R M.2083 – IMT Vision – Framework and overall objectives of the future development of IMT for 2020 and beyond Recommendation ITU-R SM.2103 – Global harmonization of short-range devices categories INDUSTRY, INNOVATION AND INFRASTRUCTURE Reports Report ITU-R BT.2420 - Collection of usage scenarios and current statuses of advanced immersive audio-visual systems Report ITU-R M.2117 – Software-defined radio in the land mobile, amateur and amateur-satellite services Report ITU-R M.2243 – Assessment of the global mobile broadband deployments and forecasts for International Mobile Telecommunications Report ITU-R M.2330 – Cognitive radio systems in the land mobile service **Build resilient** infrastructure, Report ITU-R M.2441 – Emerging usage of the terrestrial component of International Mobile Telecommunication (IMT) promote inclusive Report ITU-R M.2445 – Intelligent transport systems (ITS) usage and sustainable Report ITU-R RS.2178 – The essential role and global importance of radio spectrum use for Earth observations and for related applications industrialization and Report ITU-R SM.2012 – Economic aspects of spectrum management foster innovation. Report ITU-R SM.2015 – Methods for determining national long-term strategies for spectrum utilization Report ITU-R SM.2045 - Spectrum management principles, challenges and issues related to dynamic access to frequency bands by means of radio systems employing cognitive capabilities Report ITU-R SM.2093 – Guidance on the regulatory framework for national spectrum management Report ITU-R SM.2351 – Smart grid utility management systems Report ITU-R SM.2353 – The challenges and opportunities for spectrum management resulting from the transition to digital terrestrial television in the UHF bands Report ITU-R SM.2404 – Regulatory tools to support enhanced shared use of the spectrum Number of ITU-R publications: **Recommendations: 3**





SDG	Related ITU-R Publication(s)
SDG 10 – Reduced	Recommendations
inequalities	Recommendation ITU-R M.1041 – Future amateur radio systems
10 REDUCED	Recommendation ITU-R M.2083 – IMT Vision – Framework and overall objectives of the future development of IMT for 2020 and beyond
IU INEQUALITIES	Number of ITU-R publications:
	Recommendations: 2
$\langle = \rangle$	
`_'	
•	
To reduce	
inequalities, policies	
should be universal	
in principle, paying	
attention to the	
needs of	
disadvantaged and	
marginalized populations.	
populations.	





SDG	Related ITU-R Publication(s)
SDG 11 – Sustainable cities and communities	Recommendations • Recommendation ITU-R SM.2103 – Global harmonization of short-range devices categories
There needs to be a future in which cities provide opportunities for all, with access to basic services, energy, housing, transportation and more.	 Reports Report ITU-R M.2370 – IMT traffic estimates for the years 2020 to 2030 Report ITU-R M.2415 – Spectrum needs for Public Protection and Disaster Relief (PPDR) Report ITU-R M.2440 – The use of the terrestrial component of International Mobile Telecommunications for narrowband and broadband machine-type communications Report ITU-R M.2441 – Emerging usage of the terrestrial component of International Mobile Telecommunication (IMT) Report ITU-R M.2458 – Radionavigation-satellite service applications in the 1 164-1 215 MHz, 1 215-1 300 MHz and 1 559-1 610 MHz frequency bands Report ITU-R SM.2422 – Visible light for broadband communications Report ITU-R SM.2423 – Technical and operational aspects of low-power wide-area networks for machine-type communication and the Internet of Things in frequency ranges harmonised for SRD operation Number of ITU-R publications: Recommendations: 1
SDG 12 -	Reports Reports
Responsible Production and Consumption 12 RESPONSIBLE CONSUMPTION AND PRODUCTION Ensure responsible production and consumption patterns.	• Report ITU-R BT.2385 – Reducing the environmental impact of terrestrial broadcasting systems Number of ITU-R publications: Reports: 1





SDG Related ITU-R Publication(s)

SDG 13 – Climate action

13 CLIMATE ACTION



Climate change is a global challenge that affects everyone, everywhere.

Questions

Question ITU-R 214-6/3 – Radio noise

Recommendations

- Recommendation ITU-R M.1874 Technical and operational characteristics of oceanographic radars operating in sub-bands within the frequency range 3-50 MHz
- Recommendation ITU-R RS.577 Frequency bands and required bandwidths used for spaceborne active sensors operating in the Earth exploration-satellite (active) and space research (active) services
- Recommendation ITU-R RS.1165 Technical characteristics and performance criteria for systems in the meteorological aids service in the 403 MHz and 1 680 MHz bands
- Recommendation ITU-R RS.1624 Sharing between the Earth exploration-satellite (passive) and airborne altimeters in the aeronautical radionavigation service in the band 4 200-4 400 MHz
- Recommendation ITU-R RS.1804 Technical and operational characteristics of Earth exploration-satellite service (EESS) systems operating above 3 000 GHz
- Recommendation ITU-R RS.1883 Use of remote sensing systems in the study of climate change and the effects thereof

Reports

- Report ITU-R BT.2299 Broadcasting for public warning, disaster mitigation and relief
- Report ITU-R BT.2385 Reducing the environmental impact of terrestrial broadcasting systems
- Report ITU-R M.2370 IMT traffic estimates for the years 2020 to 2030
- Report ITU-R M.2377 Radiocommunication objectives and requirements for Public Protection and Disaster Relief
- Report ITU-R RS.2068 Current and future use of the band 13.25-13.75 GHz by spaceborne active sensors
- Report ITU-R RS.2178 The essential role and global importance of radio spectrum use for Earth observations and for related applications
- Report ITU-R RS.2274 Spectrum requirements for spaceborne synthetic aperture radar applications planned in an extended allocation to the Earth exploration-satellite service around 9 600 MHz
- Report ITU-R RS.2315 Global survey of radio frequency interference levels observed by the Aquarius scatterometer at 1 260 MHz and Aquarius and soil moisture and ocean salinity radiometers at 1 413 MHz
- Report ITU-R S.2151 Use and examples of systems in the fixed-satellite service in the event of natural disasters and similar emergencies for warning and relief operations
- Report ITU-R S.2365 Assessment on use of spectrum in the 10-17 GHz band for the GSO fixed-satellite service in Region 1
- Report ITU-R S.2366 Assessment on use of spectrum in the 13-17 GHz range for the GSO fixed-satellite service in Regions 2 and 3
- Report ITU-R SA.2427 Studies on the suitability of existing allocations to the space operation service below 1 GHz and additional sharing studies on possible new and/or upgraded allocations





SDG	Related ITU-R Publication(s)
	Report ITU-R SA.2429 – Studies related to proposed change in 460-470 MHz secondary allocation for METSAT (space-to-Earth) to primary and
	addition of primary allocation to EESS (space-to-Earth)
	Report ITU-R SM.2158 – Impact of power line telecommunication systems on radiocommunication systems operating below 80 MHz
	Report ITU-R SM.2351 – Smart grid utility management systems
	Number of ITU-R publications:
	Questions: 1
	Recommendations: 6
	Reports: 15
SDG 14 – Life below	Handbooks
water	ITU-R HDB-55 – Handbook on Satellite time and frequency transfer and dissemination
Careful management of this essential global resource is a key feature of a sustainable future.	 Questions Question ITU-R 208-6/3 – Propagation factors in frequency sharing issues affecting space radiocommunication services and terrestrial services Recommendations Recommendation ITU-R M.1653 – Operational and deployment requirements for wireless access systems including radio local area networks in the mobile service to facilitate sharing between these systems and systems in the Earth exploration-satellite service (active) and the space research service (active) in the band 5 470-5 570 MHz within the 5 460-5 725 MHz range Recommendation ITU-R RS.515 – Frequency bands and bandwidths used for satellite passive remote sensing Recommendation ITU-R RS.577 – Frequency bands and required bandwidths used for spaceborne active sensors operating in the Earth exploration-satellite (active) and space research (active) services Recommendation ITU-R RS.1166 – Performance and interference criteria for active spaceborne sensors Recommendation ITU-R RS.1624 – Sharing between the Earth exploration-satellite (passive) and airborne altimeters in the aeronautical radionavigation service in the band 4 200-4 400 MHz Recommendation ITU-R RS.1883 – Use of remote sensing systems in the study of climate change and the effects thereof Recommendation ITU-R RS.2017 – Performance and interference criteria for satellite passive remote sensing Recommendation ITU-R SA.1627 – Telecommunication requirements and characteristics of EESS and MetSat service systems for data collection and platform location





SDG	Related ITU-R Publication(s)
	Reports
	Report ITU-R F.2437 – Sharing and compatibility studies of HAPS systems in the fixed service for the frequency band 6 440-6 520 MHz
	Report ITU-R RS.2068 – Current and future use of the band 13.25-13.75 GHz by spaceborne active sensors
	Report ITU-R RS.2165 – Identification of degradation due to interference and characterization of possible interference mitigation techniques
	for passive sensors operating in the Earth exploration-satellite service (passive)
	Report ITU-R RS.2178 – The essential role and global importance of radio spectrum use for Earth observations and for related applications
	• Report ITU-R RS.2315 – Global survey of radio frequency interference levels observed by the Aquarius scatterometer at 1 260 MHz and Aquarius
	and soil moisture and ocean salinity radiometers at 1 413 MHz
	• Report ITU-R SA.2430 – Technical studies for establishing in-band power limits for earth stations operating in the frequency ranges 399.9-400.05 MHz
	and 401-403 MHz within the MSS, EESS and MetSat services
	Number of ITU-R publications:
	Handbooks: 1
	Questions: 1
	Recommendations: 8
	Reports: 6
SDG 15 – Life on	Recommendations
land	Recommendation ITU-R M.2115 – Technical and operational characteristics of and protection criteria for aeronautical mobile systems
1E LIFE	operating in the 45.5-47 GHz frequency range
ON LAND	Recommendation ITU-R RS.1804 – Technical and operational characteristics of Earth exploration-satellite service (EESS) systems operating
	above 3 000 GHz
~	Recommendation ITU-R RS.1883 – Use of remote sensing systems in the study of climate change and the effects thereof
<u> </u>	
	Reports
Protect, restore and	Report ITU-R M.2458 – Radionavigation-satellite service applications in the 1 164-1 215 MHz, 1 215-1 300 MHz and 1 559-1 610 MHz frequency
promote sustainable	<u>bands</u>
use of terrestrial	• Report ITU-R RS.2165 – Identification of degradation due to interference and characterization of possible interference mitigation techniques
ecosystems,	for passive sensors operating in the Earth exploration-satellite service (passive)
sustainably manage	• Report ITU-R RS.2178 – The essential role and global importance of radio spectrum use for Earth observations and for related applications
forests, combat	Number of ITU-R publications:
desertification, and halt and reverse land	Recommendations: 3
degradation and	Reports: 3
biodiversity loss.	





SDG	Related ITU-R Publication(s)
SDG 16 – Peace, Justice and strong Institutions	Recommendations • Recommendation ITU-R BT.2075 – Integrated broadcast-broadband system
PEACE, JUSTICE AND STRONG INSTITUTIONS Access to justice for all and building	 Reports Report ITU-R BT.2049 – Broadcasting of multimedia and data applications for mobile reception Report ITU-R BT.2299 – Broadcasting for public warning, disaster mitigation and relief Report ITU-R M.2072 – World mobile telecommunication market forecast Report ITU-R M.2243 – Assessment of the global mobile broadband deployments and forecasts for International Mobile Telecommunications Report ITU-R M.2377 – Radiocommunication objectives and requirements for Public Protection and Disaster Relief Report ITU-R SM.2012 – Economic aspects of spectrum management
all, and building effective, accountable institutions at all levels.	Number of ITU-R publications: Recommendations: 1 Reports: 6
SDG 17 – Partnerships for the Goals	
17 PARTNERSHIPS FOR THE GOALS Revitalize the global	
partnership for sustainable development.	