

# National Policies and Strategies

## (Draft Unedited Version, 3 May 2019)

**Note: this list of policy documents does not claim to be exhaustive, and we would appreciate it if delegations could bring to our attention other relevant documents that are not reflected.**

### 1. Additive manufacturing

Country	Description	URL
South Africa	South African Additive Manufacturing Strategy	<a href="https://site.rapdasa.org/wp-content/uploads/2017/02/South-African-Additive-Manufacturing-Strategy.pdf">https://site.rapdasa.org/wp-content/uploads/2017/02/South-African-Additive-Manufacturing-Strategy.pdf</a>
UK	Additive Manufacturing UK, National Strategy 2018 - 25	<a href="http://am-uk.org/wp-content/uploads/2017/11/AM-UK_Strategy_Publication_Amendments_November_Digital.pdf">http://am-uk.org/wp-content/uploads/2017/11/AM-UK_Strategy_Publication_Amendments_November_Digital.pdf</a>
USA	Strategy for American Leadership in Advanced Manufacturing	<a href="https://www.whitehouse.gov/wp-content/uploads/2018/10/Advanced-Manufacturing-Strategic-Plan-2018.pdf">https://www.whitehouse.gov/wp-content/uploads/2018/10/Advanced-Manufacturing-Strategic-Plan-2018.pdf</a>
	Advanced Manufacturing: A Snapshot of Priority Technology Areas Across the Federal Government	<a href="https://www.whitehouse.gov/sites/whitehouse.gov/files/images/Blog/NSTC%20SAM%20technology%20areas%20snapshot.pdf">https://www.whitehouse.gov/sites/whitehouse.gov/files/images/Blog/NSTC%20SAM%20technology%20areas%20snapshot.pdf</a>

### 2. Artificial Intelligence

Country	Description	URL
Austria	Artificial Intelligence Mission Austria 2030 – AIM AT 2030	<a href="https://www.bmvit.gv.at/innovation/publikationen/ikt/downloads/aimat_ua.pdf">https://www.bmvit.gv.at/innovation/publikationen/ikt/downloads/aimat_ua.pdf</a>

Canada	Pan-Canadian Artificial Intelligence Strategy	<a href="http://www.jaist.ac.jp/~bao/AI/OtherAIstrategies/Pan-Canadian%20Artificial%20Intelligence%20Strategy.pdf">http://www.jaist.ac.jp/~bao/AI/OtherAIstrategies/Pan-Canadian%20Artificial%20Intelligence%20Strategy.pdf</a>
China	互联网+人工智能三年行动实施方案	<a href="http://www.ndrc.gov.cn/gzdt/201605/W020160523589036011904.pdf">http://www.ndrc.gov.cn/gzdt/201605/W020160523589036011904.pdf</a>
	促进新一代人工智能产业发展行动计划	<a href="http://www.cac.gov.cn/1122114520_15132987738211n.docx">www.cac.gov.cn/1122114520_15132987738211n.docx</a>
	国务院关于印发新一代人工智能发展规划的通知	<a href="http://www.gov.cn/zhengce/content/2017-07/20/content_5211996.htm">http://www.gov.cn/zhengce/content/2017-07/20/content_5211996.htm</a>
EU	Artificial intelligence for Europe	<a href="https://ec.europa.eu/transparency/regdoc/rep/1/2019/EN/COM-2019-168-F1-EN-MAIN-PART-1.PDF">https://ec.europa.eu/transparency/regdoc/rep/1/2019/EN/COM-2019-168-F1-EN-MAIN-PART-1.PDF</a>
	DIGITALEUROPE Recommendations on AI Policy	<a href="https://www.digitaleurope.org/wp/wp-content/uploads/2018/11/DIGITALEUROPE-Recommendations-on-AI-Policy-November-2018-final.pdf">https://www.digitaleurope.org/wp/wp-content/uploads/2018/11/DIGITALEUROPE-Recommendations-on-AI-Policy-November-2018-final.pdf</a>
Finland	Finland's age of AI	<a href="http://julkaisut.valtioneuvosto.fi/bitstream/handle/10024/160391/TEMrap_47_2017_verkkojulkaisu.pdf">http://julkaisut.valtioneuvosto.fi/bitstream/handle/10024/160391/TEMrap_47_2017_verkkojulkaisu.pdf</a>
	Work in the age of artificial intelligence	<a href="http://julkaisut.valtioneuvosto.fi/bitstream/handle/10024/160980/TEMjul_21_2018_Work_in_the_age.pdf">http://julkaisut.valtioneuvosto.fi/bitstream/handle/10024/160980/TEMjul_21_2018_Work_in_the_age.pdf</a>
France	For a Meaningful Artificial Intelligence: Towards a French and European Strategy	<a href="https://www.aiforhumanity.fr/pdfs/MissionVilla_ni_Report_ENG-VF.pdf">https://www.aiforhumanity.fr/pdfs/MissionVilla_ni_Report_ENG-VF.pdf</a>
Germany	Artificial Intelligence Strategy	<a href="https://www.ki-strategie-deutschland.de/home.html?file=files/downloads/Nationale_KI-Strategie_engl.pdf">https://www.ki-strategie-deutschland.de/home.html?file=files/downloads/Nationale_KI-Strategie_engl.pdf</a>
India	National strategy for artificial intelligence launched by NITi Aayog	<a href="http://niti.gov.in/writereaddata/files/document_publication/NationalStrategy-for-AI-Discussion-Paper.pdf">http://niti.gov.in/writereaddata/files/document_publication/NationalStrategy-for-AI-Discussion-Paper.pdf</a>
Italy	Artificial Intelligence - at the service of citizens	<a href="https://ia.italia.it/assets/whitepaper.pdf">https://ia.italia.it/assets/whitepaper.pdf</a>

Japan	Artificial Intelligence Technology Strategy (Report of Strategic Council for AI Technology)	<a href="https://www.nedo.go.jp/content/100865202.pdf">https://www.nedo.go.jp/content/100865202.pdf</a>
	Social Principles of Human-centric AI	<a href="https://www8.cao.go.jp/cstp/stmain/aisocialprinciples.pdf">https://www8.cao.go.jp/cstp/stmain/aisocialprinciples.pdf</a>
Sweden	National Approach for Artificial intelligence (Nationell inriktning för artificiell intelligens)	<a href="https://www.regeringen.se/49a828/contentassets/844d30fb0d594d1b9d96e2f5d57ed14b/2018ai_webb.pdf">https://www.regeringen.se/49a828/contentassets/844d30fb0d594d1b9d96e2f5d57ed14b/2018ai_webb.pdf</a>
UK	Industrial Strategy, Artificial Intelligence Sector Deal	<a href="https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/666359/171206_Industrial_Strategy_Life_Sciences_SD_Accessible_PDF_DPS.pdf">https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/666359/171206_Industrial_Strategy_Life_Sciences_SD_Accessible_PDF_DPS.pdf</a>
USA	The National Artificial Intelligence Research and Development Plan	<a href="https://www.nitrd.gov/PUBS/national_ai_rd_strategic_plan.pdf">https://www.nitrd.gov/PUBS/national_ai_rd_strategic_plan.pdf</a>

### 3. Big Data

Country	Description	URL
Australia	The Australian Public Service Big Data Strategy	<a href="https://www.finance.gov.au/files/2013/06/Draft-Big-Data-Strategy.pdf">https://www.finance.gov.au/files/2013/06/Draft-Big-Data-Strategy.pdf</a>
Azerbaijan	National Strategy on the Development of Information Society in Azerbaijan for 2014–2020	<a href="https://president.az/articles/11312">https://president.az/articles/11312</a>
Finland	Finnish national spatial data strategy 2016 – Paikkatietoikkuna	<a href="https://www.google.com/url?sa=t&amp;rct=j&amp;q=&amp;esrc=s&amp;source=web&amp;cd=90&amp;cad=rja&amp;uact=8&amp;ved=2ahUKEwi-177Ivu3hAhWQ16YKHV4sDDI4UBAWMAI6BAgGEAI&amp;url=http%3A%2F%2Fwww.paikkatietoikkuna.fi%2Fdocuments%2F108478%2Fc42195c3-881a-43af-8e7b-09bcba4df7d2&amp;usg=AOvVaw1-HXfQqPRrE_43-gg7OIGV">https://www.google.com/url?sa=t&amp;rct=j&amp;q=&amp;esrc=s&amp;source=web&amp;cd=90&amp;cad=rja&amp;uact=8&amp;ved=2ahUKEwi-177Ivu3hAhWQ16YKHV4sDDI4UBAWMAI6BAgGEAI&amp;url=http%3A%2F%2Fwww.paikkatietoikkuna.fi%2Fdocuments%2F108478%2Fc42195c3-881a-43af-8e7b-09bcba4df7d2&amp;usg=AOvVaw1-HXfQqPRrE_43-gg7OIGV</a>
France	The New Face of Industry in France	<a href="https://www.economie.gouv.fr/files/nouvelle_france_industrielle_english.pdf">https://www.economie.gouv.fr/files/nouvelle_france_industrielle_english.pdf</a>

Japan	Open Government Data Strategy	<a href="http://japan.kantei.go.jp/policy/it/20120704/text.pdf">http://japan.kantei.go.jp/policy/it/20120704/text.pdf</a>
	Declaration to be the World's Most Advanced IT Nation	<a href="http://japan.kantei.go.jp/policy/it/2013/0614_declaration.pdf">http://japan.kantei.go.jp/policy/it/2013/0614_declaration.pdf</a>
Rwanda	National Data Revolution Policy	<a href="http://statistics.gov.rw/publication/rwanda-national-data-revolution-and-big-data">http://statistics.gov.rw/publication/rwanda-national-data-revolution-and-big-data</a>
South Korea	Mid- to Long-Term Master Plan in Preparation for the Intelligent Information Society: Managing the Fourth Industrial Revolution	<a href="https://k-erc.eu/wp-content/uploads/2017/12/Master-Plan-for-the-intelligent-information-society.pdf">https://k-erc.eu/wp-content/uploads/2017/12/Master-Plan-for-the-intelligent-information-society.pdf</a>
Sweden	The Swedish National Geodata Strategy	<a href="https://geodata.se/globalassets/dokumentarkiv/styrning-och-uppfoljning/geodatastrategin/national_geodata_strategy_2016-2020.pdf">https://geodata.se/globalassets/dokumentarkiv/styrning-och-uppfoljning/geodatastrategin/national_geodata_strategy_2016-2020.pdf</a>
UK	Seizing the data opportunity: a strategy for UK data capability	<a href="https://www.gov.uk/government/publications/uk-data-capability-strategy">https://www.gov.uk/government/publications/uk-data-capability-strategy</a>
	Information economy strategy	<a href="https://www.gov.uk/government/publications/information-economy-strategy">https://www.gov.uk/government/publications/information-economy-strategy</a>
USA	THE FEDERAL BIG DATA RESEARCH AND DEVELOPMENT STRATEGIC PLAN	<a href="https://bigdatawg.nist.gov/pdf/bigdatardstrategicplan.pdf">https://bigdatawg.nist.gov/pdf/bigdatardstrategicplan.pdf</a>

#### 4. Biotechnology

Country	Description	URL
Norway	National Strategy for Biotechnology, Strategy 2011-2020	<a href="https://www.regjeringen.no/globalassets/upload/kd/vedlegg/forskning/national_strategy_for_biotechnology_2011-2020.pdf">https://www.regjeringen.no/globalassets/upload/kd/vedlegg/forskning/national_strategy_for_biotechnology_2011-2020.pdf</a>
Sri Lanka	National Biotechnology Policy	<a href="http://www.nsf.ac.lk/images/stories/STPRD/biotechnology_policy.pdf">http://www.nsf.ac.lk/images/stories/STPRD/biotechnology_policy.pdf</a>
	National Biotechnology Development Strategy 2015-2020	<a href="http://www.dbtindia.nic.in/wp-content/uploads/DBT_Book-29-december_2015.pdf">http://www.dbtindia.nic.in/wp-content/uploads/DBT_Book-29-december_2015.pdf</a>

## 5. Blockchain and digital ledger technology

Country	Description	URL
Australia	Initial coin offerings and crypto-currency	<a href="https://asic.gov.au/regulatory-resources/digital-transformation/initial-coin-offerings-and-crypto-currency/">https://asic.gov.au/regulatory-resources/digital-transformation/initial-coin-offerings-and-crypto-currency/</a>
Belarus	Decree of the President of the Republic of Belarus No. 8 of Dec. 21, 2017, National Legal Internet Portal of the Republic of Belarus, Dec. 27, 2017, No. 1/17415	<a href="http://pravo.by/document/?guid=12551&amp;p0=Pd1700008&amp;p1=1&amp;p5=0">http://pravo.by/document/?guid=12551&amp;p0=Pd1700008&amp;p1=1&amp;p5=0</a> . Unofficial English translation: <a href="http://law.by/document/?guid=3871&amp;p0=Pd1700008e">http://law.by/document/?guid=3871&amp;p0=Pd1700008e</a>
France	Ordonnance n° 2017-1674 du 8 décembre 2017 relative à l'utilisation d'un dispositif d'enregistrement électronique partagé pour la représentation et la transmission de titres financiers	<a href="https://www.legifrance.gouv.fr/affichTexte.do?cidTexte=JORFTEXT000036171908&amp;categorieLien=id">https://www.legifrance.gouv.fr/affichTexte.do?cidTexte=JORFTEXT000036171908&amp;categorieLien=id</a>
Malta	Malta Digital Innovation Authority Act (MDIA Act)	<a href="https://mdia.gov.mt/wp-content/uploads/2018/10/MDIA.pdf">https://mdia.gov.mt/wp-content/uploads/2018/10/MDIA.pdf</a>
	Innovative Technology Arrangement and Services Act (ITAS Act)	<a href="https://mdia.gov.mt/wp-content/uploads/2018/10/ITAS.pdf">https://mdia.gov.mt/wp-content/uploads/2018/10/ITAS.pdf</a>
	Virtual Financial Assets Act (VFA Act)	<a href="http://www.justiceservices.gov.mt/DownloadDocument.aspx?app=lom&amp;itemid=12872&amp;l=1">http://www.justiceservices.gov.mt/DownloadDocument.aspx?app=lom&amp;itemid=12872&amp;l=1</a>
Switzerland	Federal Council report on virtual currencies in response to the Schwaab (13.3687) and Weibel (13.4070) postulates	<a href="https://www.news.admin.ch/newsd/message/attachments/35355.pdf">https://www.news.admin.ch/newsd/message/attachments/35355.pdf</a>

## 6. Drones and unmanned aerial systems

Country	Description	URL
Denmark	DANMARKS DRONESTRATEGI: NATIONAL STRATEGI FOR UDVIKLING AF DRONETEKNOLOGI OG -ANVENDELSE	<a href="https://ufm.dk/publikationer/2016/filer/dronestrategi-2016.pdf">https://ufm.dk/publikationer/2016/filer/dronestrategi-2016.pdf</a>
USA	National Strategy for Aviation Security of the United States of America	<a href="https://www.whitehouse.gov/wp-content/uploads/2019/02/NSAS-Signed.pdf">https://www.whitehouse.gov/wp-content/uploads/2019/02/NSAS-Signed.pdf</a>
	Unmanned Aircraft Systems Roadmap 2005-2030	<a href="https://fas.org/irp/program/collect/uav_roadmap2005.pdf">https://fas.org/irp/program/collect/uav_roadmap2005.pdf</a>

## 7. Internet of Things

Country	Description	URL
Brazil	Internet of Things: An Action Plan for Brazil	<a href="http://www.funag.gov.br/images/2017/Novembro/Dialogos/Claudio_Leal-Internet-of-Things.pdf">http://www.funag.gov.br/images/2017/Novembro/Dialogos/Claudio_Leal-Internet-of-Things.pdf</a>
India	National Telecom M2M Roadmap	<a href="https://www.gsma.com/iot/wp-content/uploads/2015/01/India-M2M-roadmap-avaliabile-market-consultations-on-IoT.pdf">https://www.gsma.com/iot/wp-content/uploads/2015/01/India-M2M-roadmap-avaliabile-market-consultations-on-IoT.pdf</a>
Malaysia	National Internet of Things (IoT) Strategic Roadmap: A Summary	<a href="http://www.mimos.my/iot/National_IoT_Strategic_Roadmap_Summary.pdf">http://www.mimos.my/iot/National_IoT_Strategic_Roadmap_Summary.pdf</a>
Singapore	Smart Nation	<a href="https://www.smartnation.sg/">https://www.smartnation.sg/</a>
South Korea	Master Plan for Building the Internet of Things (IoT) that leads the hyper-connected, digital revolution	<a href="http://www.iotkorea.or.kr/2013_kor/uploadFiles/board/KOREA-%20IoT(Internet%20of%20Things)%20Master%20Plan%20-%202014.pdf">http://www.iotkorea.or.kr/2013_kor/uploadFiles/board/KOREA-%20IoT(Internet%20of%20Things)%20Master%20Plan%20-%202014.pdf</a>

## 8. Nanotechnology

Country	Description	URL
Brazil	Iniciativa Brasileira de Nanotecnologia	<a href="http://www.consultaesic.cgu.gov.br/busca/dados/Lists/Pedido/Attachments/448811/RESPOSTA_PEDIDO_Resposta%20PI%2052750000056201651%20Nanotecnologia%20no%20Brasil_Anexo%20IBN%20-%20Rodrigo%20Mariano.pdf">http://www.consultaesic.cgu.gov.br/busca/dados/Lists/Pedido/Attachments/448811/RESPOSTA_PEDIDO_Resposta%20PI%2052750000056201651%20Nanotecnologia%20no%20Brasil_Anexo%20IBN%20-%20Rodrigo%20Mariano.pdf</a>

Germany	Action Plan Nanotechnology 2020	<a href="https://www.bam.de/SharedDocs/EN/Downloads/as-nano-action-plan-nanotechnology-2020.pdf?blob=publicationFile">https://www.bam.de/SharedDocs/EN/Downloads/as-nano-action-plan-nanotechnology-2020.pdf?blob=publicationFile</a>
Iran	The Future Strategy of Nanotechnology	<a href="https://statnano.com/policydocument/1">https://statnano.com/policydocument/1</a>
Norway	National Strategy for Nanoscience and Nanotechnology	<a href="https://www.forskningsradet.no/globalassets/publikasjoner/1198060425822.pdf">https://www.forskningsradet.no/globalassets/publikasjoner/1198060425822.pdf</a>
Saudi Arabia	Strategic Priorities for Nanotechnology Program	<a href="https://www.kfu.edu.sa/ar/Centers/science_tech_Unit/Documents/Nanotechnology%20Strategic%20Priorities.pdf">https://www.kfu.edu.sa/ar/Centers/science_tech_Unit/Documents/Nanotechnology%20Strategic%20Priorities.pdf</a>
Serbia	ПРОГРАМ РАДА ISS/KS Z229	<a href="https://www.iss.rs/rs/images/upload/biznis%20plan%20komisije/2015/4/programa_rada_ks_z229_biljana_.pdf">https://www.iss.rs/rs/images/upload/biznis%20plan%20komisije/2015/4/programa_rada_ks_z229_biljana_.pdf</a>
South Africa	The National Nanotechnology Strategy	<a href="https://www.gov.za/sites/default/files/gcis_document/201409/dstnanotech180120060.pdf">https://www.gov.za/sites/default/files/gcis_document/201409/dstnanotech180120060.pdf</a>
Sri Lanka	National Nanotechnology Strategy	<a href="http://www.nsf.ac.lk/images/stories/TD/Version_12.pdf">http://www.nsf.ac.lk/images/stories/TD/Version_12.pdf</a>
Switzerland	Action Plan Synthetic Nanomaterials	<a href="https://www.bag.admin.ch/dam/bag/en/dokumente/chem/nanotechnologie/aktionsplan-synthetische-nanomaterialien.pdf.download.pdf/actionplan-synthetic-nanomaterials-report-of-09-04-2008.pdf+&amp;cd=3&amp;hl=en&amp;ct=clnk&amp;gl=ch">https://www.bag.admin.ch/dam/bag/en/dokumente/chem/nanotechnologie/aktionsplan-synthetische-nanomaterialien.pdf.download.pdf/actionplan-synthetic-nanomaterials-report-of-09-04-2008.pdf+&amp;cd=3&amp;hl=en&amp;ct=clnk&amp;gl=ch</a>
Thailand	The Nanosafety and Ethics Strategy Plan 2017-2021	<a href="https://www2.nanotec.or.th/en/wp-content/uploads/2018/09/Nanosafety-Soft-file.pdf">https://www2.nanotec.or.th/en/wp-content/uploads/2018/09/Nanosafety-Soft-file.pdf</a>

## 9. Quantum computing

Country	Description	URL
UK	National strategy for quantum technologies	<a href="https://epsrc.ukri.org/newsevents/pubs/quantumtechstrategy/">https://epsrc.ukri.org/newsevents/pubs/quantumtechstrategy/</a>

USA	National strategic overview for quantum information science	<a href="https://www.whitehouse.gov/wp-content/uploads/2018/09/National-Strategic-Overview-for-Quantum-Information-Science.pdf">https://www.whitehouse.gov/wp-content/uploads/2018/09/National-Strategic-Overview-for-Quantum-Information-Science.pdf</a>
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## 10. Renewable Energy

Country	Description	URL
Ghana	National Renewable Energy Action Plans (NREAPs) (Ghana) Period [2015-2020]	<a href="https://www.se4all-africa.org/fileadmin/uploads/se4all/Documents/Country_PANER/Ghana_National_Renewable_Energy_Action_Plans.pdf">https://www.se4all-africa.org/fileadmin/uploads/se4all/Documents/Country_PANER/Ghana_National_Renewable_Energy_Action_Plans.pdf</a>
India	Amendment in National Wind-Solar Hybrid Policy	<a href="https://mnre.gov.in/sites/default/files/webform/notices/Amendment-in-National-Wind-Solar-Hybrid-Policy.pdf">https://mnre.gov.in/sites/default/files/webform/notices/Amendment-in-National-Wind-Solar-Hybrid-Policy.pdf</a>
	National Wind-Solar Hybrid Policy	<a href="https://mnre.gov.in/sites/default/files/webform/notices/National-Wind-Solar-Hybrid-Policy.pdf">https://mnre.gov.in/sites/default/files/webform/notices/National-Wind-Solar-Hybrid-Policy.pdf</a>
	Strategic Plan for New and Renewable energy Sector for the period of 2011-2017	<a href="https://mnre.gov.in/sites/default/files/uploads/strategic_plan_mnre_2011_17.pdf">https://mnre.gov.in/sites/default/files/uploads/strategic_plan_mnre_2011_17.pdf</a>
	National Policy on Biofuels	<a href="https://mnre.gov.in/sites/default/files/uploads/biofuel_policy.pdf">https://mnre.gov.in/sites/default/files/uploads/biofuel_policy.pdf</a>
Ireland	Strategy for Renewable Energy: 2012-2020	<a href="https://www.teagasc.ie/media/website/crops/crops/RenewableEnergy_Strategy2012-2020.pdf">https://www.teagasc.ie/media/website/crops/crops/RenewableEnergy_Strategy2012-2020.pdf</a>
Jamaica	Jamaica's National Energy Policy	<a href="https://www.mset.gov.jm/sites/default/files/National%20Energy%20Policy.pdf">https://www.mset.gov.jm/sites/default/files/National%20Energy%20Policy.pdf</a>
Namibia	National Renewable Energy Policy	<a href="http://www.mme.gov.na/files/publications/03f_National%20Renewable%20Energy%20Policy%20-%20July%202017.pdf">http://www.mme.gov.na/files/publications/03f_National%20Renewable%20Energy%20Policy%20-%20July%202017.pdf</a>
UK	National Renewable Energy Action Plan for the United Kingdom	<a href="https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/47871/25-nat-ren-energy-action-plan.pdf">https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/47871/25-nat-ren-energy-action-plan.pdf</a>



## 11. Smart Industry Strategies

Country	Description	URL
China	Made in China 2025 《中国制造 2025》	<a href="http://www.cittadellascienza.it/cina/wp-content/uploads/2017/02/IoT-ONE-Made-in-China-2025.pdf">http://www.cittadellascienza.it/cina/wp-content/uploads/2017/02/IoT-ONE-Made-in-China-2025.pdf</a>
EU	ManuFUTURE Vision 2030	<a href="http://rm-platform.com/images/DOCUMENTS/ManuFUTURE_Vision-2030_VC_30_05_2018.pdf">http://rm-platform.com/images/DOCUMENTS/ManuFUTURE_Vision-2030_VC_30_05_2018.pdf</a>
Germany	German Standardization Roadmap on Industry 4.0	<a href="https://www.din.de/blob/65354/57218767bd6da1927b181b9f2a0d5b39/roadmap-i4-0-e-data.pdf">https://www.din.de/blob/65354/57218767bd6da1927b181b9f2a0d5b39/roadmap-i4-0-e-data.pdf</a>
	INDUSTRIE 4.0 Smart Manufacturing for the Future	<a href="http://www.inovasyon.org/pdf/gtai.industrie4.0_smart.manufact.for.future.july.2014.pdf">http://www.inovasyon.org/pdf/gtai.industrie4.0_smart.manufact.for.future.july.2014.pdf</a>
Italy	Italy: "Industria 4.0"	<a href="https://ec.europa.eu/growth/tools-databases/dem/monitor/sites/default/files/DTM_Industria4.0_IT%20v2wm.pdf">https://ec.europa.eu/growth/tools-databases/dem/monitor/sites/default/files/DTM_Industria4.0_IT%20v2wm.pdf</a>
Japan	New Industrial Structure Vision	<a href="https://www.meti.go.jp/english/publications/pdf/vision_171222.pdf">https://www.meti.go.jp/english/publications/pdf/vision_171222.pdf</a>
Malaysia	Draft National Industry 4.0 Policy Framework	<a href="https://grp.miti.gov.my/miti-grp/resources/Public%20Consultation/Industry4.0FrameworkLayout_PublicReview(9Feb)V3_.pdf">https://grp.miti.gov.my/miti-grp/resources/Public%20Consultation/Industry4.0FrameworkLayout_PublicReview(9Feb)V3_.pdf</a>
Mexico	Crafting the future, a roadmap for industry 4.0 in Mexico	<a href="https://www.promexico.mx/documentos/mapas-de-ruta/industry-4.0-mexico.pdf">https://www.promexico.mx/documentos/mapas-de-ruta/industry-4.0-mexico.pdf</a>
South Africa	Industrial policy action plan 2018/19-2020/21	<a href="https://www.gov.za/sites/default/files/gcis_document/201805/industrial-policy-action-plan.pdf">https://www.gov.za/sites/default/files/gcis_document/201805/industrial-policy-action-plan.pdf</a>
Sweden	Smart industry-a strategy for new industrialisation for Sweden	<a href="https://www.government.se/498615/contentassets/3be3b6421c034b038dae4a7ad75f2f54/nist_s_tatsformat_160420_eng_webb.pdf">https://www.government.se/498615/contentassets/3be3b6421c034b038dae4a7ad75f2f54/nist_s_tatsformat_160420_eng_webb.pdf</a>

Switzerland	Digital Switzerland Strategy (EN) Stratégie Suisse Numérique (FR)	<a href="https://strategy.digitaldialog.swiss/en/strategie-digitale-schweiz-pdf">https://strategy.digitaldialog.swiss/en/strategie-digitale-schweiz-pdf</a> <a href="https://strategy.digitaldialog.swiss/fr/strategie-digitale-schweiz-pdf">https://strategy.digitaldialog.swiss/fr/strategie-digitale-schweiz-pdf</a>
	Plan d'action	<a href="https://strategy.digitaldialog.swiss/fr/plan-d-action">https://strategy.digitaldialog.swiss/fr/plan-d-action</a>
Thailand	Thailand 4.0 พิมพ์เขียว, โมเดลขับเคลื่อนประเทศไทยสู่ความมั่งคั่ง มั่นคง และยั่งยืน	<a href="http://www.libarts.up.ac.th/v2/img/Thailand-4.0.pdf">http://www.libarts.up.ac.th/v2/img/Thailand-4.0.pdf</a>
Turkey	Smart Production Systems Technology Roadmap of Turkey	
UK	Building our Industrial Strategy	<a href="https://beisgovuk.citizenspace.com/strategy/industrial-strategy/supporting_documents/buildingourindustrialstrategygreenpaper.pdf">https://beisgovuk.citizenspace.com/strategy/industrial-strategy/supporting_documents/buildingourindustrialstrategygreenpaper.pdf</a>
	Industrial Strategy: Building a Britain fit for the future	<a href="https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/664563/industrial-strategy-white-paper-web-ready-version.pdf">https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/664563/industrial-strategy-white-paper-web-ready-version.pdf</a>
USA	America First, A Budget Blueprint to Make America Great Again	<a href="https://www.whitehouse.gov/wp-content/uploads/2017/11/2018_blueprint.pdf">https://www.whitehouse.gov/wp-content/uploads/2017/11/2018_blueprint.pdf</a>
	An America First Economic Plan: Winning the Global Competition	<a href="https://assets.donaldjtrump.com/An_America_First_Economic_Plan-Winning_The_Global_Competition_.pdf">https://assets.donaldjtrump.com/An_America_First_Economic_Plan-Winning_The_Global_Competition_.pdf</a>

## 12. Space Science

Country	Description	URL
Austria	Austrian Federal Law on the Authorisation of Space Activities and the Establishment of a National Registry	<a href="http://www.iislweb.org/docs/2011_galloway/AustrianOuterSpaceAct.pdf">http://www.iislweb.org/docs/2011_galloway/AustrianOuterSpaceAct.pdf</a>
Denmark	Acts, executive orders and other regulations on Outer Space	<a href="https://ufm.dk/en/legislation/prevailing-laws-and-regulations/outer-space">https://ufm.dk/en/legislation/prevailing-laws-and-regulations/outer-space</a>

Finland	Act on Space Activities(63/2018)	<a href="https://www.finlex.fi/en/laki/kaannokset/2018/en20180063.pdf">https://www.finlex.fi/en/laki/kaannokset/2018/en20180063.pdf</a>
Kazakhstan	LAW OF THE REPUBLIC OF KAZAKHSTAN of January 6, 2012 No. 528-IV ZRK About space activities	<a href="http://www.unoosa.org/documents/pdf/spacelaw/national/kazakhstan/528-IV_2012-01-06E.pdf">http://www.unoosa.org/documents/pdf/spacelaw/national/kazakhstan/528-IV_2012-01-06E.pdf</a>
Portugal		
Republic of Korea	Space Development Promotion Act	<a href="http://www.unoosa.org/oosa/en/ourwork/spacelaw/nationalspacelaw/republic_of_korea/space_development_promotions_actE.html">http://www.unoosa.org/oosa/en/ourwork/spacelaw/nationalspacelaw/republic_of_korea/space_development_promotions_actE.html</a>
South Africa	National Space Strategy	<a href="https://www.sansa.org.za/wp-content/uploads/2018/05/National-Space-Strategy.pdf">https://www.sansa.org.za/wp-content/uploads/2018/05/National-Space-Strategy.pdf</a>
USA	NATIONAL SPACE POLICY of the UNITED STATES of AMERICA	<a href="https://obamawhitehouse.archives.gov/sites/default/files/national_space_policy_6-28-10.pdf">https://obamawhitehouse.archives.gov/sites/default/files/national_space_policy_6-28-10.pdf</a>

### 13.5G (New Generation Telecommunications)

Country	Description	URL
Hungary	The Hungarian 5G Coalition	<a href="https://bbj.hu/special-report/5g-coalition-looking-to-establish-pioneering-path-for-hungary_156998">https://bbj.hu/special-report/5g-coalition-looking-to-establish-pioneering-path-for-hungary_156998</a>
	NMHH STRATEGY 2018-2022	<a href="http://english.nmhh.hu/document/195890/nmhh_strategy_2018_2022.pdf">http://english.nmhh.hu/document/195890/nmhh_strategy_2018_2022.pdf</a>
	PUBLIC HEARING ON PLANS REGARDING THE FREQUENCY BANDS AVAILABLE FOR THE PROVISION OF WIRELESS BROADBAND SERVICES AND THE FUTURE USE OF THE VHF III BAND	<a href="http://english.nmhh.hu/document/191083/public_hearing_on_frequency_bands_available_for_wireless_broadband_services_and_vhf_iii_band.pdf">http://english.nmhh.hu/document/191083/public_hearing_on_frequency_bands_available_for_wireless_broadband_services_and_vhf_iii_band.pdf</a>