

List of JICA Knowledge Co-Creation Program (Group and Region Focus)

1. Education		
Tertiary Education		
201984480	Development of advanced industrial human resource through Japanese Style Engineering Education	1
Technical & Vocational Edu. & Training		
201984350	Enhancement of Training Management in Vocational Training Institutions	2
201984362	Human Resources Development Administration	3
201984363	Industrial Technology Education	4
201984364	Practical Human Resource Development in Electrical and Electronic Engineering	5
Early Childhood Development		
201984000	Early Childhood Care and Education with Regional Focus on Africa and the Middle East	6
201984533	Early Childhood Development(Asia)	7
Primary Education		
201984253	Teaching Methods for Mathematics in Primary Education for Learning Improvement	8
201984266	Physical Education in Basic Education	9
201984275	Quality Improvement of Primary Science Education –“Teaching and Learning” at On-Site Education–	10
201984279	Leadership Training on Improving Mathematics Lesson Delivery in Primary and Secondary School	11
201984282	Improvement of Quality of Education through Lesson Study	12
201984303	Leadership Training on Improvement of Teaching Method for Science Education for Francophone Countries in Africa	13
201984333	Improvement of Quality Teaching and Evaluation Methodology in Primary Science and Mathematics for Sub-Saharan Africa	14
201984338	Teacher Education for Basic Education of African Countries	15
201984397	Educational Administration, Financial System and School Management for Expansion of Basic Education in Middle East	16
201984569	Educational Development with Community Participation	17
201984840	Improvement of Basic Calculation Skill	18
201984904	Developing the capacity to improve the consistency between curriculum, lessons and assessment	19
201984959	Mathematics Curriculum Development at Primary Level	20
Lower Secondary Education		
201984342	Improvement of quality of mathematics education in primary and secondary education	21
Nonformal Education		
201984345	Promotion of Non-Formal Education	22
Education Administration		
201984366	Improvement of Education in Remote Areas – For the Achievement of SDGs	23
201984374	Education Administration for Reducing Disparities in Basic Education	24
201984395	Capacity Development for the education policy formulation and analysis for learning improvement	25
201984396	School-based learning improvement and support from education administration	26
Other Education Issues		
201984398	Education System for Children with Disability –Promotion of Inclusive Education System utilizing the experience of Special Needs Education–	27
201984903	Strengthening Effective Teaching toward Inclusive Education	28
2. Health		
MCH /Reproductive Health		
201984439	Improvement of Maternal Health	29
201984440	Improvement of Maternal and Child Nutrition	30
201984444	Public Health Activities for Strengthening Maternal and Child Health	31
201984450	Improvement of Maternal Health for French-Speaking African Countries (for government officials)	32
201984455	Perinatal and Neonatal Health Care	33
201984456	School Health	34
201984906	Promotion and technical improvement of team medical care in perinatal care	35
201984908	Continuum of care for Maternal, Newborn and Child Health (MNCH) and UHC	36

Health System		
201984400	Hospital Management	37
201984406	Strengthening Human Resource for Improvement of Community Health	38
201984407	Medical Equipment Management and Maintenance	39
201984411	Health Policy Development–An introduction to Japan’s history, achievements and challenges	40
201984415	Regulatory Systems on Ensuring Access to Quality Medicines	41
201984416	Health Systems Management–Leadership and Governance	42
201984417	Health Systems Management for Regional and District Health Management Officers	43
201984422	Evidence–Based Public Health Planning	44
201984424	Quality Improvement of Health Services through KAIZEN approach	45
201984527	Strengthening Social Health Protection Towards Universal Health Coverage	46
Tuberculosis		
201984428	Ending TB in the Era of Universal Health Coverage toward Sustainable Development Goals	47
201984429	Ending TB and AMR in the Era of UHC – Hands–on Knowledge and Skill Development for Laboratory Leaders–	48
Other infectious diseases		
201984980	Strengthening of Community Health System for Infectious Diseases Control	49
201984426	Strengthening laboratory techniques and surveillance system for global control of HIV and related infectious diseases	50
201984432	Clinical Laboratory Technology: Clinical Microbiology for Proper Diagnosis of Infectious Diseases	51
201984434	Program for the Specialist of Healthcare–Associated Infection Prevention and Control	52
201984910	Field Epidemiology to strengthen the preparedness for the severe infectious disease outbreaks(for Managers)	53
Non–Communicable Diseases		
201984458	Non–Communicable Diseases(NCDs) Prevention and Control in Remote Island Regions	54
201984460	Lifestyle–Related Diseases Prevention	55
Other Health Issues		
201984419	Management of Disaster Medicine for Latin American Countries	56
201984457	Food Safety Administration	57
201984570	Mental Health and PsychoSocial Support (kokoro–no–care) in Natural Disaster Situation	58
3. Governance		
Legal and Judicial Development		
201984513	Criminal Justice Response to Corruption	59
201984514	Treatment of Offenders (Focus on Prison, Probation and Parole)	60
201984515	Criminal Justice (Focus on Investigation, Prosecution, Adjudication, and International Cooperation)	61
201984516	Crime Prevention and Criminal Justice (Senior Seminar)	62
201984620	Competition Law and Policy –Laying the Foundation for Promoting Competition–	63
201984640	Enhancement of Access to Justice	64
Statistics		
201984511	Statistical Analysis of Disaggregated SDG Indicators for Inclusive Development Policies	65
201984512	Theory and Practices in Official Statistics for Monitoring Sustainable Development Goals (SDGs)	66
201984647	Innovations in Use of New Data Sources and Methodologies for SDG Statistics	67
Administrative Institutions		
201984501	National Government Administration for Senior Officials	68
201984502	Governmental Human Resource Management for Senior Officials	69
201984503	Government Audit on Public Construction Works	70
201984504	Public Personnel Administration for Middle Level Officials	71
Local Governance		
201984505	Participatory Local Social Development (PLSD)	72
201984506	Community Based Development with Local Residents as Main Actors	73
201984507	Local Governance	74
201984508	Enhancement of Local Government Administration and Public Services through Participatory Local Development	75
201984509	Capacity Building of Local Governments for Development with Community Participation	76
Public Safety		
201984517	Community Policing	77
201984518	Countermeasures against Cybercrime	78
201984519	Control of Drug Offences	79
201984520	Counter International Terrorism	80
201984521	Organization Management for Senior Police Officers	81
201984522	International Criminal Investigation	82
201984659	Criminal Identification	83
Democratic Institutions		

201984523	Legislative and Electoral Administration	84
201984677	The role of media in democratic countries – access to information and function as a watchdog	85
4. Peacebuilding		
Governance		
201984524	Statebuilding in Conflict-affected Countries	86
201984734	Disaster Reconstruction Assistance	87
201984899	Capacity Development of Local Government for Community Rebuilding in Conflict-Affected Countries	88
5. Social Security		
Support for Persons with Disabilities		
201984529	Social Participation and Livelihood of Persons with Disabilities through a Community-Based Inclusive Approach	89
201984532	Capacity Development of Leaders with Disabilities for UNCRPD(UN Convention on the Rights of Persons with Disabilities)Implementation	90
201984534	Intellectual & Developmental Disabilities in Community Activities	91
201984536	Promoting Independent Living through Empowerment of Persons with Disabilities in Africa	92
201984826	Promotion of Social Participation of Persons with Disabilities through Sports	93
Social Insurance/Social Welfare		
201984528	Policies and actions responding to aging challenges in Asia	94
Labour and Employment		
201984537	Occupational Safety and Health – From Policy Development to Implementation Measures –	95
6. Transportation		
Capacity Development for Transport Sector		
201984543	Maritime Safety and Security Policy Program	96
201984544	Maritime Law Enforcement	97
201984545	Practical Technology on Intelligent Transport System (ITS)	98
201984546	The total planning of airport construction, management and maintenance	99
201984547	Comprehensive Bridge Engineering	100
201984548	Road Administration	101
201984549	Ship Safety	102
201984550	Improvement of Port Cargo Transport Efficiency for African Countries	103
201984563	Project Management in Infrastructure Development for Civil Engineers	104
201984565	Maritime Search and Rescue, Maritime Disaster Prevention, and Marine Environment Protection for Coast Guard Officials	105
201984566	Sustainable Port Development and Planning (for Port Engineer)	106
201984788	Infrastructure Management System for Road Administration	107
201984895	Civil Aviation Safety Oversight	108
201984905	Traffic Safety	109
201984918	Road Asset Management	110
Inter-national/-regional Transportaion		
201984551	Seminar on Aviation Security	111
201984552	Hydrography for Charting and Disaster Management (Internationally Accredited Category B)	112
201984553	PBN Instrument Flight Procedure Design	113
201984554	Capacity Development for Port Facility Security	114
201984567	Strategic Port Administration and Management	115
201984568	Development of the sustainable and reliable logistics system in Asian region	116
National Transportation		
201984538	Road Maintenance	117
201984555	Bridge Maintenance	118
201984557	Comprehensive Expressway Engineering	119
Urban Transportation		
201984558	Development of Urban Road Network	120
201984560	Environmentally Sustainable Urban Transport Planning	121
201984561	Urban Railways Management	122
201984923	Level Up Training for Operation and Management Organization of Urban Railways	123
7. Information and Communication Technology(Utilization of ICT)		
Information and Communication Technology		
201984578	Improving ICT policy promotion skills utilizing standards –overcome challenges by deployment of ICT infrastructure	124

201984579	Capacity Building in Policy Formation for Enhancement of Measures to Ensure Cybersecurity in ASEAN Region	125
201984860	Defense Practice against Cyber Attacks	126
201984892	Policy making for space exploitation, such as utilization of satellites, which avail social and economic development	127
Broadcasting		
201984581	Digital Terrestrial TV Broadcasting (DTTB) Policy and Engineering	128
201984582	TV Program Production for Digital Terrestrial Broadcasting	129
Utilization of ICT		
201984572	Capacity Building for ICT Project Planning (ex. e-government, e-education, e-health, e-agriculture, etc.)	130
201984573	ICT Core personnel Development(IT Architect/CIO/Security)	131
201984894	Strengthening human resources capability for ICT(Francophone Countries in Africa)	132
8. Natural Resources and Energy		
Energy Supply		
201984584	Energy Policy	133
201984586	High Efficient and Clean Thermal Power –for Executives–	134
201984588	Improvement of Maintenance Skills for Gas Turbine and Coal Fired Steam Turbine Thermal Power Engineering	135
201984590	Power Distribution Grid	136
201984591	Power Grid Planning and Operation	137
201984592	Promotion of Hydropower Development	138
201984593	Electric Power System Engineering (Africa and Asia Region)	139
201984850	Introduction of Advanced Natural Gas Utilization Technology	140
Energy Conservation		
201984597	Promotion of Energy Efficiency and Conservation	141
Renewable Energy		
201984602	Renewable Energy and Diesel Power Operation in Small Islands	142
201984603	Renewable Energy in Grid –Mainly on Photovoltaic–	143
201984851	Intensive Training for Geothermal Resource Engineers	144
201984852	Geothermal Drilling Management	145
201984853	Geothermal Development Policy –for Executives–	146
201984922	Biomass Utilization Technology	147
Mining		
201984607	Mining Course (Development/Environment)	148
201984608	Mining Course (RS/Exploration)	149
201984960	Mining Course (Managerial post)	150
Other Natural Resources and Energy Issues		
201984817	Management of Power Utilities	151
9. Economic Policy		
Financial System		
201984610	Bond Market Development in ASEAN Countries(II)	152
201984611	Strengthening Development Finance Institutions (DFIs) in SADC Countries	153
201984612	Stock Exchange Development	154
201984855	Financial regulation and supervision	155
201984856	Monetary Policy and Central Bank Operations–Sharing Practical Experiences among Asian Countries	156
Public Finance (expenditure/public expenditure management)		
201984854	Collaborative Program between WB and JICA : Public Debt and Risk Management	157
Public Finance (customs administration)		
201984615	Customs Administration	158
Other Economic Policy Issues		
201984617	International Taxation for Asian Countries	159
201984618	International Seminar on Taxation (General)	160
201984619	International Seminar on Taxation (Advanced)	161
10. Private Sector Development		
SME/Supporting Industries Promotion		
201984621	Industry Promotion by Cluster Approach	162
201984622	Small and Medium Enterprise Development Policies	163
201984627	Business Development Services (BDS) for Small and Medium Enterprises (SMEs) promotion	164
201984630	Quality Management and Productivity Improvement(KAIZEN) –Basic Course–	165
201984633	Practical Corporate Management for Productivity Improvement through Practical KAIZEN and Quality Control Methods	166

201984634	Financial Access for Small and Medium Enterprises(SMEs) Promotion	167
201984645	Capacity Development for Entrepreneurs and MSMEs Activation in African Countries	168
Industrial Development Institution		
201984655	A Legal Framework for Ease of Doing Business for Foreign Direct Investment Promotion	169
201984670	Improving Intellectual Property System for Economic Development	170
Trade and Investment		
201984648	Developed Market Oriented Export Promotion Strategy / Marketing Strategy	171
201984652	Capacity Development for Investment Promotion	172
201984848	Facilitating Trade and Investment for African Countries through Regional Economic Cooperation	173
Tourism		
201984663	Tourism development policies	174
201984664	Capacity Development in Sustainable Tourism –Based on Japanese Tradition “Omotenashi (Hospitality)”–	175
201984665	Tourism Promotion and Marketing	176
201984667	Planning and Management of Eco-Tourism in Tropical and Subtropical Areas	177
201984847	Tourism Development through Appropriate Management of the World Heritage Site	178
201984925	Regional Economic and Social Vitalization through Tourism Development: Regional Branding and Marketing in Hokkaido	179
Other Private Sector Development Issues		
201984844	Quality Management and Productivity Improvement in Japanese Manufacturing – MONOZUKURI	180
201984846	Industrial Development and Promotion utilizing local resources	181
11. Nature Conservation		
Sustainable Forest Management		
201984730	Sustainable forest/natural resources management based on market mechanism	182
201984732	Remote Sensing of Forest Resources	183
201984738	Sustainable Forestry Management with Community Participation	184
201984739	Proceeding Ability of Policy Making for Sustainable Forest Management	185
201984831	Ecotourism for Officials on Nature Conservation	186
201984911	Combating desertification to strengthen resilience to climate change in Sub-Saharan Africa	187
201984912	Tropical forest management using the JJ-FAST, an ALOS-2 –based forest monitoring system, and other satellite technologies	188
Conservation of Biodiversity		
201984740	Integrated Lake, River and Coastal Basin Management for Sustainable Use and Preservation of Water Resources	189
201984744	GIS, Remote Sensing, Information System and Community Participation for Biodiversity	190
201984745	Promotion of SATOYAMA Initiative: Biodiversity conservation and rural development through the sustainable management of natural resources	191
201984828	Ecosystem-based Solutions for Disaster Risk Reduction (Eco-DRR)	192
201984829	Coastal and Marine Ecosystem Conservation through Collaborative Management of Marine Protected Areas	193
201984830	Ecosystem conservation through collaborative management of protected areas	194
Other Nature Conservation Issues		
201984747	Policy Planning Skills for Implementation of REDD+(for Government Executives)	195
201984748	Adaptive Watershed Management to Climate Change: Disaster Risk Reduction and Ecosystem Conservation	196
12. Gender and Development		
Gender and Development		
201984760	Africa-Japan Business Women Exchange Seminar	197
201984761	Gender Mainstreaming Policies for Government Officers	198
201984762	Promotion of networking among ASEAN countries on anti-Trafficking in Persons	199
201984839	Gender and Diversity in Disaster Risk Reduction	200
201984896	Women's Economic Empowerment through Business in SICA Region	201
13. Urban/Regional Development		
Urban Development		
201984763	Urban Management for Sustainable Urban Development	202
201984766	The Land Readjustment Method for Urban Development	203
201984767	Comprehensive City Planning	204
201984768	Improvement of Housing and Living Environment	205
Regional Development		
201984769	General Management for Regional Development and Planning	206
201984770	Museums and Community Development	207
201984898	Local Development through Michi-No-Eki (Roadside Station) for SICA Member Countries	208
Geographical Information		
201984772	Management and Utilization of National Control Points for Efficiency of Survey	209

201984773	Planning and Management of National Mapping and Surveying	210
Other Urban & Regional Development Issues		
201984774	Public Participation, Consensus Building and Resettlement in Public Works Project	211
201984776	Disaster Risk Reduction of Buildings (against Earthquake, Tsunami and Fire)	212
201984777	Comprehensive Urban Transportation Planning	213
201984778	Urban Public Transport	214
201984780	National and Regional Development Policy	215
201984897	Disaster Medicine and Emergency Medicine in ASEAN countries	216
14. Environmental Management		
Air Pollution/Acid Rain		
201984789	Capacity Building towards Air Quality Management	217
Water Pollution		
201984790	Operation and Maintenance of Sewerage System	218
201984793	Water Environment Administration	219
201984794	Wastewater Treatment Techniques	220
201984795	Sewage and Urban Drainage Management	221
201984915	On-Site Wastewater Treatment System	222
Climate Change		
201984816	Adaptation to Climate Change	223
201984901	Countermeasures for Climate Change in the agricultural sector	224
201984964	Capacity building for development and implementation of Nationally Determined Contributions in Climate Change	225
201984965	Adaptation of Small-Scale Renewable Energy as a step for Climate Change	226
Environmental Administration		
201984783	Capacity Building for Ratification and Implementation of the Minamata Convention on Mercury	227
Solid Waste Management		
201984798	Enhancement of Solid Waste Management Capacity (Advance, Planning&Policy)	228
201984801	Advancement of Solid Waste Management Technologies (Advance, Technique)	229
201984805	Comprehensive Waste Management	230
201984810	Management of Composting Project	231
201984812	Design and Maintenance of Semi Aerobic Landfill Site (Fukuoka Method)	232
201984813	Improvement of Solid Waste Management Technologies(Basic, Technique)	233
201984815	Development of Recycling Policy	234
201984833	Strategic Utilization of Solid Waste Management Data	235
201984889	Sustainable Solid Waste Management for African Countries	236
201984893	Sustainable Solid Waste Management in Islands Areas	237
201984917	Enhancement of Solid Waste Management Capacity for Waste Power Generation	238
Other Environmental Management Issues		
201984820	Practice of Environmental and Social Considerations for Investment Project Financing	239
201984914	Capacity strengthening for multi-media mercury monitoring (4M)	240
15. Agricultural Development		
Agricultural Policy		
201984680	Agricultural Policy	241
201984681	Inclusive land administration and improved tenure security	242
201984682	Strengthening Safety Management System of Agricultural Products	243
Agricultural Services		
201984684	Agricultural Extension Planning and Management	244
201984690	Market-oriented Agriculture Promotion for Extension Officer in Africa	245
201984693	ICT (Information and Communication Technology) for Agricultural Information Use -aiming at practical skills acquisition-	246
201984695	Farmer-Led Extension Method-Farmers' education for a better livelihood by market-oriented approach-	247
201984700	Market-Oriented Agriculture Promotion (Planning and Management)	248
201984703	Extension Methodologies of Sustainable Conservation Oriented Agriculture, Latin America	249
201984705	Strengthening Role and Function of Farmers' Organization in Central Asian Countries	250
201984727	Establishment and Development of Farmers' Organizations	251
Distribution, Processing, Export Promotion		
201984637	Business management of agri-business for CIS and Mongolia	252
201984671	Branding and Marketing of Products utilizing local resources	253
201984714	Local Industry Development in Agricultural Regions by Strengthening Capacity of Management and Marketing	254
201984720	Agribusiness Promotion for Small Scale Farmers in African Countries	255
201984724	Practical Plant Quarantine Techniques for Export of Agricultural Products (Treatment for Disinfestation of Fruit Flies)	256

201984824	Human Resource Development Program for the Leaders on "Global Food Value Chain Strategy"	257
201984825	Development of Marketable Local Products -Implementation of One Village One Product Approach-	258
201984841	Rural Development through creating Agricultural Value Chain (Value addition to Livestock Products)	259
201984919	Regional agribusiness promotion by the value chain building in Asian region-For high value-added local food supply-	260
Irrigation/Drainage		
201984687	Maintenance, Operation and Management of Irrigation Facilities	261
201984707	Participatory Irrigation Management System for Paddies	262
201984726	Appropriate Management of Land and Water Resources for Sustainable Agriculture in Arid/Semi-arid Regions	263
201984729	Irrigation Water Management for Central Asia and Caucasus Countries	264
Other Agricultural Production Infrastructure		
201984692	Promotion of Agricultural Mechanization for Africa	265
Rice Production / Other Cereals / Root Crops		
201984691	Development of Core Agricultural Researcher for Promotion of Rice Production in Sub-Saharan Africa	266
201984697	Improvement of Rice Cultivation Techniques(for Extension Officers)	267
201984704	Rainfed Rice Cultivation, Seed Production and Variety Selection Techniques	268
201984706	Post-Harvest Rice Processing for African Countries	269
Horticulture / Industrial Crops		
201984712	Vegetable Production Technology for Livelihood Improvement of Small Scale Farmers	270
Animal Health Hygiene / Livestocks		
201984689	Policy Planning and Project Management on Livestock Development for Livestock Officials (for Middle Level Officials)	271
201984694	Local Industry Development through the Enhancement of Hygiene and Quality Management for Animal-Sourced Foods: milk, meat and egg	272
201984716	Cattle Management for Milk and Meat Production Using Regional Resources	273
Fisheries		
201984749	Value-chain Development for Sustainable Use of Fisheries Resources	274
201984754	Enhancing Capacity for sustainable fisheries development	275
201984759	Sustainable Use of Fisheries Resources through Diversification of Fisheries-based Livelihoods in Small-island States	276
201984909	Policies and countermeasures against Illegal, Unreported, and Unregulated (IUU) fishing	277
201984961	Securing sustainable small-scale fisheries for food security and poverty eradication	278
201984967	Small-scale Inland Aquaculture	279
Other Agricultural Development		
201984683	Plant Variety Protection and Quality Control System of Seeds to Facilitate Distribution of High Quality Seeds	280
201984698	Soil Diagnosis and Improvement Technology for Sustainable Agricultural Production	281
201984921	Conservation and sustainable use of plant genetic resources for food and agriculture	282
16. Rural Development		
Rural Infrastructure Development		
201984722	Integrated Agriculture and Rural Development through the Participation of Local Farmers	283
Rural Living Environment Condition Improvement		
201984717	Empowerment of Rural Women	284
201984719	Life Improvement Approach for Sustainable Rural Development in Latin America Extension and Extension Training Methods	285
201984920	Nutrition Improvement through Agriculture	286
17. Water Resources		
Comprehensive Water Resources Management		
201984461	Integrated Water Resources Management	287
Urban Water Supply		
201984464	Non-Revenue Water Management (Leakage Control)	288
201984468	Operation and Maintenance of Urban Water Supply System(Water Quality and Purification)	289
201984470	Operation and Maintenance of Urban Water Supply System (Water Distribution and Service)	290
201984472	Water Supply Administration for Better Management of Water Supply Services	291
201984474	Comprehensive Engineering on Water Supply Systems	292
201984476	African Region Urban Waterworks Engineering	293
Rural Water Supply		
201984477	Participatory Safe Water Management in Rural Areas in African Countries	294
18. Disaster Risk Reduction		
Wind and Flood Disaster(Flood Control)		
201984478	Flood disaster risk reduction	295
201984479	Practical Methodology for Flood Control Planning and River Basin Management in Asia Region	296
201984838	Water Related Disaster Risk Reduction	297

Soil and Water Disaster		
201984481	Disaster Management for Sediment-related Disasters(Landslide, Debris Flow, Flash Flood and Volcanic Mudflow)	298
Earthquake Disaster		
201984482	Seismology, Earthquake Engineering, and Tsunami Disaster Mitigation	299
201984483	Enhancement and Dissemination of Earthquake-resistant Technology for Buildings in Latin American Countries	300
Meteorology		
201984484	Reinforcement of Meteorological Services	301
Comprehensive Disaster Risk Reduction		
201984485	Strategy for Resilient Societies to Natural Disasters	302
201984486	Comprehensive disaster risk reduction for the African region	303
201984489	Promotion of Mainstreaming Disaster Risk Reduction	304
201984490	Disaster Management on Infrastructure (River, Road and Port)	305
201984492	Rescue Techniques	306
201984493	Fire Management and Disaster Risk Reduction	307
201984494	Comprehensive Disaster Risk Reduction	308
201984496	Comprehensive Disaster Risk Reduction for Central Asia and Caucasus	309
201984497	Comprehensive Disaster Risk Reduction for Central and South America	310
201984498	Community-Based Disaster Risk Reduction	311
201984913	Comprehensive Disaster Risk Reduction in Small Islands	312
Other Disaster Risk Reduction Issues		
201984487	Improvement of Disaster Education System	313
201984500	Volcanic Disaster Risk Reduction and Management for Central and South American Countries	314
201984916	Sustainable coastal protection measures at island countries	315