



## Summary of the Pacific Community's 2015 work programme in

# Kiribati



(November 2015 update)

The following table lists key work areas that SPC is undertaking in 2015 in cooperation with Kiribati. The country-specific work listed here complements other SPC work undertaken at a regional level to benefit the people of Kiribati and achieve its national development priorities. SPC's key regional work will be presented in its next Programme Results Report (to be published in May 2016).

| SPC's expected contribution to national development goals            |   |   |           |
|--|---|---|-----------|
| Expected long-term result (impact)                                   | Expected medium-term result (outcome)   | Key outputs for the year  | Status    |
| <i>Pacific communities are empowered and resilient</i>               |   |   |           |
| <b>Fisheries, Aquaculture and Marine Ecosystems</b>                  |   |   |           |
| Improved management of coastal fisheries                             | Enhanced capacity of coastal communities to respond effectively to climate change, and improved assessment of climate change impacts on marine environments                                       | Database for socio-economic surveys upgraded and new modules added  | Completed |
|  | Enhanced coastal fisheries management policies and systems based, where possible, on scientific assessments of the status of national coastal marine resources                                    | Age, growth and genetic parameters determined for a selection of coastal finfish; Samples collected and analysis underway   | On Track  |
|  |   | Baseline assessments and monitoring report completed for the aquarium trade; Capacity development and training attachment provided at SPC headquarters  | On Track  |
|  |   | In-water invertebrate resources field assessment, capacity development (including attachments at SPC headquarters), data entry, analysis and reporting undertaken   | Completed |
|  | Enhanced community-based approaches and national management arrangements; Incorporation of ecosystem-based principles and coastal fisheries legislation into community-based fisheries management | Community-based activities implemented in selected locations - two of three pilot sites selected  | On Track  |
|  |   | Assistance provided to establish and strengthen Community-based Ecosystem Approach to Fisheries Management (CEAFM) / ridge-to-reef / whole-of-island approaches   | On Track  |
|  |   | Adaptation activities, including capacity development, identified and implemented; Assistance and advice provided for development of national coastal fisheries and coastal fisheries management policy         | On Track  |
| Increased contribution of fisheries to food security and livelihoods | Increased skills and knowledge base to maximise the return on investments in aquaculture  | Profitable aquaculture systems developed to improve nutrition and livelihoods for communities; National hatchery upgraded; Training provided on sea cucumber hatchery production                                | On Track  |
|  |   | Improved seaweed culture and production through training and trials on new seaweed strains; Assistance provided to source and trial new seaweed strain from Indonesia that is more tolerant to high temperature | On Track  |

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|---|--|--|-----------|
| Expected long-term result (impact)  | Expected medium-term result (outcome)  | Key outputs for the year   | Status    |
| <b>Climate Change</b>   |  |  |           |
| Strengthened resilience to climate change and disasters   | Increased capacity to effectively manage the risks presented by climate change and disasters | Refresher training on the logical framework approach provided and impact of training assessed  | Completed |
|   |  | Climate change and climate risk communications plan prepared and published   | Completed |
|   |  | Public Health Ordinance revised to reflect the National Climate Change and Health Action Plan  | Completed |
|   |  | Routine systems for surveillance of environmental hazards and climate-sensitive diseases strengthened; Geographic information system (GIS) database established; Medical laboratory refurbished  | On Track  |
|   |  | Communities have received health information necessary to address health risks of climate change; Community workshops facilitated; Climate change and health communications campaign launched  | On Track  |
|   |  | Preparedness for response to outbreaks of climate-sensitive diseases strengthened; Training workshops and attachments provided; National Environmental Health Action Plan drafted  | On Track  |
| <b>Land Resources</b>   |  |  |           |
| Strengthened food and nutritional security resilient to impacts of disasters and climate change | Increased capacity of sustainable land and forest management                                 | Adaptive capacity analysis completed; Work plan developed with communities and adaptation strategies implemented   | Completed |
|   |  | Soil health improved in support of sustainable development   | Completed |
|   | Increased production and consumption of local nutritious foods                               | Adaptive capacity strengthened at pilot communities through training on nursery management, plant propagation, management of climate-ready collection integrated pest and disease management, agro-forestry, livestock husbandry and waste management - three trainings held | On Track  |

| SPC's expected contribution to national development goals                          |   |   |           |
|--|---|---|-----------|
| Expected long-term result (impact)   | Expected medium-term result (outcome)                                       | Key outputs for the year  | Status    |
| <i>Pacific Island people reach their potential and lead long and healthy lives</i> |   |   |           |
| <b>Education and Quality Assessment Programme</b>                                  |   |   |           |
| Improved quality of education  | Improved teacher and principal performance                                  | Capacity of education officers, teacher educators, teachers and school leaders improved according to classroom-based assessment   | Completed |
|  |   | Development of national principal standards and tools supported   | On Track  |
|  |   | Building capacity of national agencies in the development of national qualifications and coordinating quality assurance training for national accrediting agencies - report compiled  | On Track  |
|  |   | Quality assurance conducted and report compiled on national agencies and other regional accrediting agencies, institutions and qualifications   | On Track  |
|  |   | Referencing of national qualifications frameworks against the Pacific Qualification Framework; Updating the Pacific Register of Qualifications and Standards; Report compiled   | On Track  |
|  |   | Consultation conducted and report prepared on establishing criteria for registration and licensing of professionals   | On Track  |
|  | Provision of high-quality programmatic technical services and policy advice | Pacific Register of Qualifications database updated with: (i) accredited qualifications; (ii) registered institutions; (iii) professional associations and members; (iv) accrediting agencies; and (v) regional standards in education  | Completed |
|  |   | Technical and advisory support provided to agencies and government ministries   | On Track  |
|  | Raising of students' literacy and numeracy                                  | Improved assessment and monitoring of literacy, numeracy and life skills in the Pacific at the national level, through training on learning outcomes; Training provided on unpacking of learning outcomes, quality instruments development, scoring of responses, interpretation of results and reporting | On Track  |
|  |   | Technical assistance provided in the assessment and monitoring of literacy, numeracy and life skills in the Pacific   | On Track  |
|  |   | Improved capacity in the development of intervention framework resources  | On Track  |
|  | Strengthening national accreditation and assessment systems                 | Capacity of education officers, teachers and school leaders enhanced in improving the quality of regional qualifications and in supporting the process of national examinations   | Completed |
|  |   | Quality assurance of national agencies and other regional accrediting agencies conducted and report compiled  | On Track  |

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|--|--|---|-----------|
| Expected long-term result (impact)   | Expected medium-term result (outcome)  | Key outputs for the year  | Status    |
| <b>Gender, Human Rights and Culture</b>  |  |   |           |
| Enhanced development for all Pacific people, through increasing the observance of all human rights and good governance standards | Increased capacity of civil society to monitor and advocate for human rights and good governance standards   | Legislative lobbying and advocacy training provided to government and civil society organisations (CSOs) to build skills in leadership and lobbying   | Completed |
|  | Increased observance of human rights and good governance standards by decision-makers  | Technical assistance provided to ensure human rights policies and laws are compliant with international conventions   | Completed |
|  | Increased observance of human rights and governance standards by agencies and governments providing service to the public                              | Technical assistance and training provided to support national actors in key human rights areas   | On Track  |
| Increased development potential of Pacific Island people in culture, and empowerment of women and young people                   | Integrated approach to human development fostered at regional and national levels  | Four-year work plan attached to signed memorandum of understanding  | Ongoing   |
|  |  | Gender stocktake report published   | On Track  |
| <b>Public Health</b>   |  |   |           |
| Improved health and well-being of Pacific communities  | Pacific Island countries and territories (PICTs) develop public health policies, plans and regulations that respond effectively to national priorities | Strategic health communication campaign to promote SODIS (solar disinfection) water treatment in Tarawa developed, implemented and evaluated, including field research to establish Pacific guidelines for safe use of SODIS throughout the Pacific                           | On Track  |
|  | PICTs have access to high-quality information and evidence to inform policy and the delivery of core public health functions                           | Lab strengthening in sexually transmitted infections (STI)/HIV and tuberculosis quality assurance; Follow-up provided on strengthening the use of filter paper for arbovirus laboratory surveillance under lab-based surveillance and Microbiology and GeneXPert installation | On Track  |

| SPC's expected contribution to national development goals   |  |  |           |
|---|--|--|-----------|
| Expected long-term result (impact)  | Expected medium-term result (outcome)                                | Key outputs for the year   | Status    |
| <b>Water and Sanitation</b>   |  |  |           |
| Increased access to safe drinking water and basic sanitation  | Natural resources developed and managed, and governance strengthened | Improved understanding of the condition and sustainability of Kiritimati Island potable groundwater resources; Groundwater assessment work commenced on existing bores in Decca and Four Wells area; Ministry of Public Works and Utilities (MPWU) drill rig refurbished, and drilling of 12 new boreholes commenced in second quarter 2015; Analyses of groundwater lens ongoing to determine sites for new windmills | On Track  |
|   |  | Water sanitation design options and cost estimates documented; Completed design options, including cost estimates; Designs consultation finalised and provided to the Kiribati government stakeholders and partners  | Completed |
|   |  | Visual materials developed for preliminary water and sanitation design options for villages, and publication of assessment results supported by stakeholder discussions in relation to Kiribati water and sanitation for outer Islands (KIRWATSAN); Preliminary designs presented to Government of Kiribati and villages; Technical drawings and options to be presented in technical reports                          | On Track  |
|   |  | Expanded participation, ownership and capacity to maintain safe drinking water and sanitation facilities and practices through capacity building and networking activities; Project manager, based in the Water Engineering Unit in Tarawa, has joined the Pacific Adaptation to Climate Change Plus project team to Abaiang and conducted impromptu training with Island technicians on Tamana pump installation      | On Track  |
|   |  | Increased access to safe drinking water supplies and appropriate sanitation facilities through the installation of water supply and sanitation facilities in participating villages  | On Track  |
|   | Natural resources, systems, and processes monitored and assessed     | Improved understanding of the vulnerability of the Bonriki freshwater reserve and surrounding area to coastal hazards and climate change variability and change achieved through field data collection and numerical modelling; Field work completed and numerical modelling developed in draft form, and model integrity and usefulness being discussed by technical working group in August 2015                     | On Track  |
|   | Vulnerability and risks managed                                      | Improved quality, quantity and reliability of potable water supplied to the priority areas of London and Tennessee; Assessment of infrastructural upgrade undertaken and rehabilitation work to continue throughout 2015; All windmills will be replaced with new parts and new solar pumps will be monitored; New flow meter on main pipes to be installed in 2015 to monitor extraction                              | On Track  |
| Ministry of Public Works and Utilities (MPWU) staff and water technicians training provided on key elements of water resources assessments, analysis and reporting - 10 staff from the Ministry of Public Works and Utilities and 8 Island Water technicians trained in a range of water resources assessment and monitoring techniques |  | On Track   |           |

| SPC's expected contribution to national development goals                                       |   |   |           |
|---|---|---|-----------|
| Expected long-term result (impact)  | Expected medium-term result (outcome)   | Key outputs for the year  | Status    |
| <i>The Pacific region and its people benefit from inclusive and sustainable economic growth</i> |   |   |           |
| <b>Fisheries, Aquaculture and Marine Ecosystems</b>   |   |   |           |
| Improved management of oceanic fisheries  | National tuna oceanic fisheries policy- and decision-making are informed by the best, science-based, stock assessments and advice | Updated report on the impacts of restrictions on the use of fish aggregating devices (FADs) in industrial purse seine fisheries within the Kiribati EEZ   | Completed |
| Increased contribution of fisheries to food security and livelihoods                            | Improved capacity for subsistence, artisanal, sport and industrial fishing activities within the sustainable production level     | Kiribati Fisheries staff and community in South Tarawa trained in bagan fishing method to provide food security and transfer fishing effort from reef fish to more resilient marine resources   | On Track  |
|   |   | Strengthened nearshore FAD programme  | On Track  |
| <b>Geoscience</b>   |   |   |           |
| Sustainable management and development of ocean and island resources                            | Natural resources developed and managed, and governance strengthened  | Updated nautical charts produced by the charting authorities upon submission of survey data by the country; Hydrographic surveys completed; Data processing and report writing ongoing  | On Track  |
|   |   | Established an 'aggregate' state-owned enterprise (SOE), which is economically and environmentally sustainable: aggregates company incorporated, board of directors and staff in place; business licences in place - Atinimarawa Co. is the Kiribati-registered SOE which will run the barge and aggregates operation as a commercial venture | On Track  |
|   |   | Developed a comprehensive policy and planning framework for aggregates management; Draft policy reviewed by Environmentally Safe Aggregate for Tarawa and Project Steering Committee and the Government of Kiribati   | On Track  |
|   | Natural resources, systems and processes monitored and assessed   | The availability and affordability of aggregates supply provided for small-scale users and all public construction activities   | On Track  |
|   |   | Alternative income generation schemes introduced for families currently engaged in beach mining   | On Track  |
|   |   | Sustainable pricing policy developed  | On Track  |
|   |   | Environmental monitoring systems established for lagoon-dredged aggregates and Government of Kiribati staff trained to manage environment management plan; Environmental baseline measurements undertaken; Sediment model updated; Government of Kiribati staff trained to manage environmental management plan                               | On Track  |
|   |   | New application of an unmanned airborne system (UAS) for coastal management, Kiritimati atoll; Image data processing photogrammetry completed; Derive point clouds and digital terrain model (DTM); Infrastructure mapping completed; Built capacity in the use and application of GIS for coastal change                                     | On Track  |
|   |   | Central area database for Kiribati established; GIS training completed  | On Track  |

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|--|--|---|-----------|
| Expected long-term result (impact)   | Expected medium-term result (outcome)  | Key outputs for the year  | Status    |
| <b>Land Resources</b>  |  |   |           |
| Enhanced sustainable land, agriculture and forestry resource management                                | Capacity to make evidence-based policy decisions on food security, sustainable resource management and economic growth strengthened  | Awareness of integrated approaches to climate change adaptation planning and implementation strengthened at the national and provincial levels through participatory planning and development/dissemination of print media/materials, policies and plans                  | On Track  |
|  | Increased capacity of sustainable land and forest management   | Completed land use assessment in Natoavatu, Fiji (Kiribati purchased land in Fiji)  | On Track  |
| Increased contribution from agriculture and forestry sectors to inclusive, broad-based economic growth | Increased capacity of PICTs to meet standards, guidelines and conditions for exports and domestic trade  | Pest incursion response support provided and plans developed; Desktop technical advice provided   | On Track  |
|  |  | Ant surveillance support provided   | On Track  |
|  |  | Assistance provided to submit and negotiate market access requests based on scientific evidence; Completed egg import requirement from Fiji   | Ongoing   |
|  |  | Integrated pest and disease workshop completed to increase awareness of biosecurity issues  | On Track  |
| <b>Statistics for Development</b>  |  |   |           |
| Pacific national and regional statistics are accessible and are being utilised                         | PICTs have the technical capacity to manage and implement all core statistical collections, including key administrative databases, as required by national development plans, including national strategies for the development of statistics | Technical assistance provided to finalise census cartography and household listing  | On Track  |
|  |  | Field enumeration training completed for 2014/15 census   | On Track  |
|  |  | Technical assistance provided for the collection and compilation of international merchandise trade statistics  | Completed |
|  |  | Training, technical assistance and planning support provided for the 2015 Kiribati Census   | Completed |
|  |  | Technical support and training in Education Management Information System provided  | On Track  |
|  |  | Provided targeted technical development support aimed at working with the countries using the Pineapples education statistical package (Solomon Islands, Kiribati, Vanuatu); Provided support and enhancements to ensure the ongoing efficient operation of these systems | On Track  |
|  |  | Technical assistance provided for the completion of household lists and census maps/cartography for 2014/2015   | Completed |
|  |  | Completed data edits, data quality audit/assessment, production of standard statistical tables, final unit-record database, and metadata documentation for the 2014/2015 census   | On Track  |
|  |  | Technical assistance provided for national civil registration and vital statistics (CRVS) workshop  | Completed |



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|--|---|--|-----------|
| Expected long-term result (impact)   | Expected medium-term result (outcome)   | Key outputs for the year   | Status    |
| <b>Transport Services</b>  |   |  |           |
| Sustainable economic development through accessible, affordable, efficient, secure and safe transport services | Development and implementation of effective policies, plans and regulatory frameworks supported     | Compliance with standards of training, certification and watchkeeping for seafarers (STCW) code; Completed port audit to support compliance with International Ship and Port Facility Security (ISPS) code | Completed |
|  |   | 44 maritime personnel and seven security guards trained in ISPS code awareness and compliance  | Completed |
|  |   | Maritime and aviation data is collected and information is updated   | Completed |
|  |   | Administration standards of training and STCW audit conducted  | Completed |
|  |   | Adoption and implementation of safety management system (SMS) and standard operating procedures (SOP) on domestic fleet; One Vessel SOP initial audit conducted  | Completed |
|  |   | Enhanced knowledge on ports safe work practices - 33 port workers trained on enhanced knowledge on ports safe work practices   | Completed |
|  | Strengthened institutions and expertise in the transport sector                                     | 11 maritime personnel trained on SOP; Adoption and implementation of safety management systems and SOP on domestic fleet   | Completed |
| <b>Energy Services</b>   |   |  |           |
| Sustainable economic development through accessible, affordable, efficient, secure and safe energy services    | Supported the development and implementation of effective policies, plans and regulatory frameworks | Kiribati Energy Roadmap developed and submitted to the Ministry of Public Works and Utilities for adoption   | On Track  |
|  |   | Cooking for Life Strategy in Kiribati developed and submitted  | Completed |