



# The International Treaty

ON PLANT GENETIC RESOURCES FOR FOOD AND AGRICULTURE



## THIRD CALL FOR PROPOSALS: PROPOSALS INVITED TO DEVELOP FULL PROJECT PROPOSALS

ID number	Region	Organization	Country of submission	Title	Targeted countries	Crops addressed
<b>AFRICAN REGION</b>						
W2A-PR-35-Ghana	AF	University of Cape Coast, Department of Molecular Biology and Biotechnology	Ghana	Sustainable utilization of cowpea genetic resources for enhanced food security and poverty alleviation in the dry savannah northern regions of Ghana.	Ghana	Cowpea ( <i>Vigna unguiculata</i> L.)
W2A-PR-60-Zimbabwe	AF	Practical Action	Zimbabwe	Community based conservation, utilization and management of climate adapted Sorghum, Pearl-Millet, Cowpea and Bambaranuts in Matebeleland South Province of Zimbabwe	Zimbabwe	Sorghum, Pearl-Millet, Cowpeas and Bambaranuts
W2A-PR-98-Angola	AF	Agriculture Development Institute (IDA)	Angola	Implementation of measures for the conservation, management and utilization of local agrodiversity among smallholder farmers	Angola	Maize ( <i>Zea mays</i> L. ), common bean ( <i>Phaseolus vulgaris</i> L. ), cowpea ( <i>Vigna unguiculata</i> (L.) Walp), sorghum ( <i>Sorghum bicolor</i> ), millet ( <i>Pennisetum glaucum</i> ),
W2A-PR-105-Malawi	AF	Biodiversity Conservation Initiative	Malawi	Enhanced On-farm Conservation and Sustainable Utilisation of Bambara nut, Pigeon pea and Sorghum in Malawi	Malawi	Bambara nut ( <i>Vigna subterranea</i> ), Pigeon pea ( <i>Cajanus cajan</i> ) and Sorghum ( <i>Sorghum bicolor</i> )
W2A-PR-107-Malawi	AF	Malawi Plant Genetic Resources Centre	Malawi	Managing the genetic diversity of locally cultivated crop species of pigeon peas, green grams and sweet potato in the southern region of Malawi through capacity building and integration of plant genetic resources into different resilient farming systems.	Malawi	Pigeon peas ( <i>Cajanus cajan</i> ), Green grams ( <i>Vigna radiata</i> ) and Sweet potato ( <i>Ipomea batatas</i> )
W2A-PR-115-Uganda	AF	National Semi Arid Resources Research Institute - National Agricultural Research Organisation (NARO)	Uganda	Strengthening Seed Delivery System for Dryland Cereals and Legumes in Drought-prone Areas of Uganda	Uganda	Sorghum, finger millet, pearl millet, cowpeas, pigeonpeas, and groundnuts.
W2A-PR-138-DR Congo	AF	OXFAM Novib	DR Congo	Appui à l'accès à la nourriture et aux revenus à travers la rehabilitation de la culture de banane pour les ménages de la chefferie de Bwisha en territoire de Rutshuru, Province du Nord-Kivu, RD Congo	DR Congo	Banane
W2B-PR-20-Mali	AF	Istitut d'Economie Rural (IER) in partnership with FiBL and other partners (consortia)	Mali	Enhancing Local Farmer Managed Seed Systems to Improve Food Security and Resilience to Climate Change in Mali and Senegal (ResourceGénétiQueAfrique)	Mali, Senegal	Maiz, sorghum , cow pea, millet
W2B-PR-26-Kenya	AF	National Genebank of Kenya	Kenya	Promoting open source seed systems for beans, forage legumes, millet and sorghum for climate change adaptation in Kenya, Tanzania and Uganda	Kenya (L), Tanzania (P) and Uganda (P)	Beans, forage legumes, millet and sorghum

W2B-PR-34-Malawi	AF	Lilongwe University of Agriculture and Natural Resources	Malawi	Characterization of diversity and exploring farmers' knowledge in conservation and climate change adaptation in yam and coco yam cropping systems in Malawi and Uganda	Malawi (L), Uganda (P)	Yam ( <i>Dioscorea</i> sp), Coco yam and Taro ( <i>Calocasia esculanta</i> and <i>Xanthosoma</i> sp)
W2B-PR-37-Uganda	AF	National Agricultural Research Organisation	Uganda	Improving livelihoods of small-scale farmers in Uganda, Tanzania & Kenya through participatory cowpea and pea breeding for yield, drought tolerance and pest resistance with innovative seed production and delivery systems	Uganda(L) Kenya(P) Tanzania(P)	Cowpeas and Pea
W2B-PR-38-Uganda	AF	National Agricultural Research Organization – Plant Genetic Resources Center	Uganda	Building smallholders' resilience to climate change using neglected and underutilized crops for food security and livelihoods in sub-Saharan Africa	Ghana (P), Mali (P) and Uganda (L)	Sorghum, pearl millet, finger millet and yam
W2B-PR-42-Zimbabwe	AF	Community Technology Development Trust	Zimbabwe	Policies and practices to facilitate the implementation of developed Strategic Action Plans for Plant Genetic Resources conservation and use for the improvement of food and nutrition security under changing climatic conditions.	Zimbabwe (L), Malawi (P); Zambia (P);	Sorghum, Pearl Millet, Cowpeas, bambara groundnuts and Groundnuts
W2B-PR-50-Rwanda	AF	Rwanda Agricultural Board	Rwanda	Enhancing community seedbanks' contributions to food security: sharing experiences from Guatemala, Nepal, Peru and Rwanda	Guatemala (P), Nepal (P), Peru (P), Rwanda (L)	Beans, finger millet, maize, potato and rice
W3A-PR-18-Ghana	AF	Council for Scientific and Industrial Research, Plant Genetic Resources Research Institute	Ghana	Increasing farmer's access to elite germplasm of Taro in Ghana		Taro
W3A-PR-25-Cameroon	AF	Institute of Agricultural Research for Development (IRAD)	Cameroon	Sustainable Seed Production and Marketing of Maize, Beans and Potatoes Varieties Adapted to the Prevailing Climate Change in the North West and West Regions of Cameroon to Enhance Food Security		Maize, beans and potatoes
W3B-PR-4-Burkina Faso	AF	Institut de l'Environnement et de Recherches Agricoles (INERA)	Burkina Faso	Stratégies d'optimisation de l'utilisation des ressources phylogénétiques pour l'amélioration de la résilience du mil [ <i>Pennisetum glaucum</i> (L.) R. Br.], face aux changements climatiques au Burkina Faso et au Mali	Burkina Faso <sup>(L)</sup> , Mali <sup>(P)</sup>	Mil [ <i>Pennisetum glaucum</i> ]
W3B-PR-13-Madagascar	AF	Département de Biologie et Ecologie Végétales, Université d'Antananarivo	Madagascar	Diversité génétique des bananiers cultivés ( <i>Musa</i> spp) à Madagascar et aux Comores	Madagascar Comores	Bananiers et plantains ( <i>Musa</i> spp.)
W3B-PR-16-Uganda	AF	Bioversity International Uganda Regional Office	Uganda	Knowing our wealth: complementary in situ, on-farm and ex situ information system for decision-making on plant genetic resources in Eastern and Southern Africa.	Uganda (L), Rwanda (P), Zambia (P)	Banana, beans, cowpea, finger millet, rice, sorghum
W3B-PR-31-Uganda	AF	National Agricultural Research Organisation	Uganda	Genomic and phenotypic exploration of cultivated and wild rice germplasm for resistance to biotic and abiotic factors in East Africa	Uganda(L), Burundi(P), Tanzania(P), Rwanda(P)	Rice
W3B-PR-33-Mauritius	AF	Food and Agricultural Research and Extension Institute	Mauritius	In Vitro Propagation of Banana and Breadfruit Germplasm in Mauritius and Seychelles	Mauritius (L) and Seychelles (P)	Banana and Breadfruit

W3B-PR-37-Tanzania	AF	Mikocheni Agricultural Research Institute	Tanzania	MARKER ASSISTED SELECTION OF USEFUL CASSAVA GERMPLASM ADAPTED TO BIOTIC AND ABIOTIC STRESSES CAUSED BY GLOBAL CLIMATE CHANGE	Tanzania (L), Kenya (P), Spain (subcontractor)	Cassava
<b>NEAR EAST REGION</b>						
W2A-PR-28-Morocco	NE	National Agricultural Research Institute of Morocco (INRA)	Morocco	Promoting on-Farm Conservation and Sustainable Use of Local Durum and Bread Wheat Landraces to mitigate Climate Change and enhance Food Security of resources-poor Moroccan Farmers	Morocco	Durum wheat and bread wheat
W2A-PR-52-Morocco	NE	National Institute for Agricultural Research (INRA)	Morocco	Diversification of oilseed crops and on-farm conservation and selection to cope with climate change and ensure food security in Morocco	Morocco	Sunflower and <i>Brassica</i> species ( <i>B. napus</i> , <i>B. carinata</i> , <i>B. juncea</i> , <i>B. rapa</i> )
W2A-PR-63-Lebanon	NE	Beirut Arab University	Lebanon	Conservation and in situ management of PGRFA diversity in the Lebanese side of Hermon Mountain for sustainable development of rural communities	Lebanon	Anacardiaceae ( <i>Pistacia palaestina</i> ; <i>Rhus coriaria</i> ); Apiaceae ( <i>Eryngium creticum</i> ); Asteraceae or Compositae ( <i>Gundelia tournefortii</i> ); Capparidaceae ( <i>Capparis spinosa</i> ); Lamiaceae ( <i>Mentha microphylla</i> , <i>Micromeria myrtifolia</i> , <i>Thymbra spicata</i> , <i>Thymus syriacus</i> ); Liliaceae or Alliaceae ( <i>Allium ampeloprasum</i> , <i>A. rotundum</i> , <i>A. stamineum</i> ); Poaceae ( <i>Aegilops columnaris</i> , <i>A. ovata</i> , <i>Triticum boeoticum</i> , <i>T. dicoccoides</i> ); and Rosaceae ( <i>Amygdalus communis</i> , <i>Crataegus azarolus</i> ; <i>Prunus prostrata</i> , <i>Prunus ursina</i> , <i>Pyrus syriaca</i> , <i>Rubus tomentosus</i> )
W2A-PR-65-Algerie	NE	Institut national de la recherche Agronomique d'Algérie	Algerie	Conservation, multiplication et diffusion participatives des ressources fourragères et pastorales en zone agropastorale semi-aride d'Algérie	Algerie	Ressources fourragères et pastorales
W2A-PR-127-Jordan	NE	National Center for Agricultural Research and Extension (NCARE)	Jordan	On-farm management and monitoring of barley landrace diversity in Jordan	Jordan	Barley landraces ( <i>Hordeum vulgare</i> subsp <i>vulgare</i> )
W2B-PR-13-Jordan	NE	NCARE	Jordan	Conservation and Sustainable Utilization of Food and Feed Legumes Seeds for Adaptation to Climate Change in NENA Region.	Jordan (L), Tunisia (P) and Turkey (P)	Lentil, chickpeas as food legumes, and vetch and grass-pea as feed legumes (land races, wild relatives and drought, heat, salt and disease resistant varieties)
W2B-PR-17-Tunisia	NE	Association de développement durable (ADD)	Tunisia	Appui à la gestion dynamique des ressources génétiques à la ferme et à la sélection participative dans les aires d'origine et de diversification des céréales majeures soumises à une augmentation de l'aridité	Tunisie, Algérie, Iran, Sénégal	Blés, riz, orge, sorgho, mil, fonio
W2B-PR-35-Sudan	NE	ICRISAT-Ethiopia	Sudan	Harnessing Genetic Resources for Sorghum Climate change Resilience and Enhanced Productivity in Ethiopia, Eritrea and Sudan	Ethiopia (L), Eritrea (P), Sudan (P), Italy (P)	Sorghum ( <i>Sorghum bicolor</i> (L.) Moench)
W2B-PR-41-Turkey	NE	International Maize and Wheat Improvement Center (CIMMYT)	Turkey	Improving food security by enhancing wheat production and its resilience to climate change through maintaining the diversity of currently grown landraces	Turkey (L), Afghanistan (P), Islamic Republic of Iran (P)	Wheat landraces

W3A-PR-5- Algerie	NE	Institut National de la Recherche Agronomique d'Algérie	Algerie	Introduction de nouvelles lignées d'orge ( <i>Hordeumvulgare</i> L.) en milieu de sélection et renforcement des capacités d'analyses génotypique et d'identifications de gènes de résistances en Algérie	Algerie	Orge
W3A-PR-13- Sudan	NE	Plant Genetic Resources Unit, Agricultural Research Corporation	Sudan	Development of a comprehensive plant genebank information management system in Sudan	Sudan	Different PGRFA
W3B-PR-2- Jordan	NE	ICARDA	Jordan	An Integrated Approach to Identify and Characterize Climate Resilient Wheat for the West Asia and North Africa Region	Jordan (L), Ethiopia (P), Morocco (P) and Sudan (P)	Wheat (Triticum et al.)
W3B-PR-17- Turkey	NE	University of Harran University of Dicle University of Saskatchwan Agriculture and Agri-Food Canada	Turkey	Assessing and utilizing resistance to Orobanche in wild lentil species and intespecific hybrids to stabilize lentil production in Turkey	Turkey and Canada	<i>Lens culinaris</i> Medik. other <i>Lens</i> spp.)
W3B-PR-18- Turkey	NE	International Center of Maize and Wheat Improvement (CIMMYT)	Turkey	Addressing the challenges of climate change for sustainable food security in Turkey, Iran, Pakistan, Uzbekistan, Morocco and Spain, through the creation and dissemination of an international database to promote the use of wheat genetic resources and increase genetic gains	Turkey (L), Pakistan (P), Uzbekistan (P), Morocco (P),Spain (P), Kenya(P), Mexico (P)	Triticum eastivum and turgidum landraces
W3B-PR-21- Morocco	NE	ICARDA	Morocco	In vitro culture and genomics-assisted fast track improvement of local landraces of wheat in Morocco,Tunisia and Algeria for enhancing food security and adaptation to climate change	Morocco, Tunisia and Algeria	Bread wheat, durum wheat and barley
<b>ASIAN REGION</b>						
W2A-PR-42- Bangladesh	AS	Bangladesh Rice Research Institute (BRRI)	Bangladesh	Identification of rice germplasm for abiotic stress tolerance through morpho-physiological and molecular techniques	Bangladesh	Rice
W2A-PR-43- Bangladesh	AS	Bangladesh Centre for Advanced Studies	Bangladesh	Sustainability in crop productivity and management of plant genetic resources in charlands of Kurigram	Bangladesh	Rice, wheat and mungbean
W2A-PR-59- Cambodia	AS	Ministry of Agriculture, Forestry and Fisheries, General Directorate of Agriculture, Department of Horticulture and Subsidiary Crops	Cambodia	Collection, conservation and sustainable utilization of indigenous vegetable diversity to strengthen food and nutrition security and improve to climate change in Cambodia	Cambodia	Eggplant, yard-long bean, common bean, sweet potato, leafy brassicas
W3A-PR-7- Indonesia	AS	Bina Nusantara University	Indonesia	Development of Biomarkers Tools for Improved Production and Climate Change Resistance in Indonesian Rice	Indonesia	Rice

W3A-PR-27-DPR Korea	AS	Academy of Agricultural Sciences (AAS)	DPR Korea	Genetic base broadening and germplasm enhancement for the development of drought tolerant cultivars of wheat and barley in DPR Korea	DPR Korea	Wheat, barley
W3B-PR-8-Indonesia	AS	Indonesian Agency for Agricultural Research and Development	Indonesia	Co-development and transfer of technology	Indonesia (L), Laos (P), the Philippines (P), Malaysia(P)	Rice
W3B-PR-26-Malaysia	AS	Crops for the Future Research Centre	Malaysia	Genetic and trait characterisation of farmer and genebank sources of Bambara groundnut ( <i>Vigna subterranea</i> (L.) Verdc.) for the development of drought tolerant lines in sub-Saharan Africa and Southeast Asia	Malaysia (L), Ghana (P), South Africa (P), Indonesia (P)	Bambara groundnut ( <i>Vigna subterranea</i> (L.) Verdc.)
W3B-PR-29-Indonesia	AS	Indonesian Agency for Agricultural Research and Development, Ministry of Agriculture	Indonesia	Multicountry construction of a test platform for the development and allocation of globally unique identifiers for rice germplasm, linking the MLS information infrastructure and the DivSeek repository	Indonesia (L), Brazil (P), Rwanda (P), IRRI (P) and other potential partners	Rice
W3B-PR-32-Indonesia	AS	Indonesian Agency for Agricultural Research and Development, Ministry of Agriculture	Indonesia	A pilot project for Integrating distributed maize genetic resources data and linking them with MLS information infrastructure and the divseek repository to enhance their utilization for breeding and research.	Indonesia (L), Rwanda (P), Kenya (P), Costa Rica (P), Honduras (P), Nicaragua (P)	Maize
<b>GRULAC REGION</b>						
W2A-PR-133-Peru	GR	Instituto Nacional de Innovación Agraria (INIA)	Peru	Adaptación a la diversidad y variabilidad de papas nativas ( <i>Solanum</i> sp) frente al cambio climático en los diferentes sistemas productivos en comunidades alto andinas de las regiones Norte-Centro y Sur del Perú	Peru	Papa
W2A-PR-142-Brazil	GR	Associação Humana Povo para Povo Brasil	Brazil	Caatinga-Recaatingando sustainable agriculture in Bahia-Brazil	Brazil	Cassava, Beans, Sorghum, Faba Bean, Cowpea, Maize; Forages: Canavalia, Prosopis, leucena ( <i>Leucaena leucocephala</i> ), gliricidia ( <i>Gliricidia sepium</i> ), umbu ( <i>Spondias tuberosa</i> ), imburana ( <i>Commiphora leptophloeos</i> ), <i>Brachiaria decumbens</i> , <i>Helianthus annuus</i> (girassol), <i>Crotalaria Juncea</i> (crotalaria), <i>Canavalia ensiformes</i> (feijão-de-porco), <i>Cajanus cajan</i> (feijão-guandu), ( <i>Stylosanthes capitata</i> )
W2A-PR-93-Nicaragua	GR	Trócaire (Agencia Católica Irlandesa para el Desarrollo)	Nicaragua	Implementación de un sistema participativo de conservación, mejoramiento y utilización de cultivares criollos de maíz en zonas secas de Nicaragua	Nicaragua	Maíz ( <i>Zea mays</i> )
W2A-PR-55-Ecuador	GR	Fundación Heifer Ecuador	Ecuador	Adaptación al cambio climático y fortalecimiento de la seguridad alimentaria a través de la restitución de germoplasma a las comunidades indígenas y campesinas de Chimborazo-Ecuador mediante la implementación de un banco comunitario de semillas de papa y otros cultivos asociados	Ecuador	Papa, <i>solanum tuberosum</i> , haba ( <i>vicia faba</i> ), trigo ( <i>triticum spp</i> ), oca ( <i>oxalis tuberosa</i> ), mashua ( <i>tropaeolum tuberosum</i> ), melloco ( <i>ullucus tuberosus</i> ).

W2B-PR-11-Guatemala	GR	Asociación de Organizaciones de los Cuchumatanes (ASOCUCH)	Guatemala	Uso sostenible de la agro-biodiversidad de maíz, frijol y especies sub-utilizadas en comunidades indígenas de Centroamérica: Una estrategia para la seguridad alimentaria y adaptación climática.	Guatemala (L), Honduras (P), Nicaragua (P) y Costa Rica (P)	Maíz, frijol, cucurbitáceas, yuca, camote
W2B-PR-23-Peru	GR	International Potato Center (CIP)	Peru	Exchanging and Developing Biodiverse Potato Varieties in Peru, Nepal and Bhutan	Peru (L), Bhutan (P), Nepal (P)	potato
W2B-PR-24-Peru	GR	International Potato Center (CIP)	Peru	Next-generation In-situ Conservation of Landraces in Andean and Papuan Hotspots: Innovating Conservation Monitoring and Benefit sharing	Peru (L), Indonesia (P)	Potato, sweetpotato
W3A-PR-1-Cuba	GR	Estación Experimental de Pastos y Forrajes "Indio Hatuey"	Cuba (L)	La diversidad de recursos forrajeros en los sistemas ganaderos para atenuar el efecto del cambio climático en Cuba (FITORED)	Cuba (L)	<i>Andropogon gayanus, Cannavalia ensiformis, Trypsacum laxum, Brachiaria spp., Panicum maximum Tithonia diversifolia, Pennisetum purpureum, Leucaena spp., Vigna sp., y Centrosema sp.</i>
W3A-PR-8-Costa Rica	GR	Instituto Nacional de Innovation y Tránsito de tecnología Agropecuaria	Costa-Rica	Tecnología informática para el uso y la conservación de recursos fitogenéticos de raíces tropicales (yuca, ñame, camote, tiquizque y malanga) que contribuyen a la alimentación humana y animal en Costa Rica	Costa-Rica	Yuca (Manihot esculenta), ñame (Dioscorea spp.), camote (Ipomea batatas), aráceas (tiquizque, Xanthosoma spp.), malanga (Colocassia spp)
W3A-PR-15-Cuba	GR	Instituto de Investigaciones Fundamentales en Agricultura Tropical "Alejandro de Humboldt" (INIFAT)	Cuba (L)	La conservación, caracterización y uso de los recursos fitogenéticos de maíz, frijol y garbanzo para mitigar los efectos de cambio climático como contribución al logro de la sostenibilidad alimentaria en familias campesinas de Cuba.	Cuba (L)	Maíz, Frijol y Garbanzo
W3A-PR-20-Honduras	GR	Comité Nacional de Recursos Fitogenéticos de Honduras (CONAREFIH)	Honduras	Fortalecimiento de las capacidades nacionales para la conservación, manejo y uso sustentable de los recursos fitogenéticos de Honduras	Honduras	Phaseolus vulgaris y Zea mays
W3B-PR-5-Peru	GR	Universidad Nacional Agraria la Molina (UNALM)- Instituto de Biotecnología (IBIT)	Peru	Marker assisted selection for potato germplasm adapted to biotic and abiotic stress caused by global climate change	Peru (L), Ecuador (P), Venezuela (P), Spain (Subcontractor)(P)	Potato
W3B-PR-22-Costa Rica	GR	Centro Agronómico Tropical de Investigación y Enseñanza	Costa Rica	Implementación de tecnologías y desarrollo de capacidades para generar y compartir información sobre recursos fitogenéticos, y adaptar la agricultura mesoamericana al cambio climático	Costa Rica (L), El Salvador (P), Guatemala (P), Honduras (P), Nicaragua (P) y Panamá (P), Bioversity International, CAPFITOGEN, CATIE, CNRG-México, INIA-España, INTA-Argentina	Manihot esculenta, ipomea batatas, phaseolus vulgaris, zea mays, persea americana, cucurbita spp., capsicum spp., carica papaya
W3B-PR-23-Brazil	GR	Universidade Federal do Rio Grande do Sul, Faculdade de Agronomia	Brazil	Preserving and characterizing the vanishing Avena strigosa landrace material from Brazil	Brazil, Canada	Avena strigosa Schreb. – Bristle oat, black oat
W3B-PR-24-Brazil	GR	EMBRAPA	Brazil	Identification of ecological and cultural regions that are priority for the conservation of maize, cassava, French bean and lima bean germplasm in Brazil, Paraguay and Peru	Brasil (L), Paraguay (P), Peru (P)	Maize (Zea mays), cassava (Manihot esculenta), french bean (Phaseolus vulgaris), lima bean (Phaseolus lunatus)
<b>SOUTH WEST PACIFIC REGION</b>						



W2B-PR-52-Fiji	SWP	Secretariat of the Pacific Community	Fiji	Utilising potential of Pacific bananas to manage climate variability and contribute to sustainable food and income security	(SPC) (L); Partner Countries – Cook Islands (P), Fiji (P), Kiribati (P), Marshall Islands (P), Palau (P); Samoa (P); Technical Partner – Bioversity International	Banana cultivars of the Pacific
W3B-PR-39-Fiji	SWP	Secretariat of the Pacific Community	Fiji	Empowering the scientific knowledge of Pacific islanders to manage and utilise crop diversity through access to modern technology to sustain food security	(SPC) (L); Cook Islands (P), Fiji (P), Kiribati (P), Marshall Islands (P), Palau (P); Samoa (P); Tonga (P); Vanuatu, New Caledonia, Australia, France, India	Aroids (Taro, alocaasia, xanthosoma, swamp taro)
<b>EUROPEAN REGION</b>						
W2A-PR-1-Albania	EU	Agricultural University of Tirana	Albania	Strengthening on-farm conservation and utilization of PGRFA to support farmers adaptation to climate change and improved livelihoods in Albania	Albania	Beans, wheat, maize, medicago, apple