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**REPORT ON THE CHOICE OF THE PRIORITY LISTS OF
MEDICINAL AND AGROFORESTRY PLANTS OF BENIN**

September 2016

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Introduction

In the framework of the national project funded by European Union (EU) through the program of Biodiversity Information for Development (BID), managed by the Secretariat of the Global Biodiversity information Facility (GBIFS) to address priorities of Benin on data mobilization to advance knowledge on the distribution and modeling of medicinal plants renowned to heal malaria and agroforestry species, staple food and source of income for populations of Benin, the national partners of the project met on 14th June 2016. We planned the activities of the project and decided on how to achieve the priority lists of targeted plant species. The methods used and results obtained are presented below.

Methods

Two categories of plant species are considered in the BID national project. They are agroforestry and medicinal plants. First, we asked partners of the project working in biodiversity conservation field (researchers, academics, NGO members, conservators) to provide lists of species belonging to the above two categories of plants. Second, for each category of species, the provided lists were combined to select ten priority families.

Results

As for medicinal plants, we considered the level of scientific knowledge, personal experience, and other relevant information provided by partners about the species. Taking this into account, the contribution of the project partners and resource persons led us retain the following ten families of medicinal plants renowned in healing malaria: *Anacardiaceae*, *Apocynaceae*, *Combretaceae*, *Euphorbiaceae*, *Leguminosae-Caesalpinioideae*, *Leguminosae-Mimosoideae*, *Leguminosae-Papilionoideae*, *Loganiaceae*, *Poaceae*, *Rubiaceae*. The complete list of accompanying species is in **appendix 1**.

Regarding agroforestry plant species, taking into account the scientific knowledge, socio-economic importance, personal experience, and other relevant information provided by partners, the ten agroforestry plant families retained are as follows: *Malvaceae*, *Arecaceae*, *Clusiaceae*, *Convolvulaceae*, *Dioscoreaceae*, *Leguminosae-Caesalpinioideae*, *Leguminosae-Mimosoideae*, *Moraceae*, *Sapotaceae*, *Sterculiaceae*. The complete list of accompanying species is in **appendix 2**.

Appendix 1: List of priority families and species of medicinal plants considered in the framework of the BID national project of Benin.

Family	Species
Anacardiaceae	<i>Lannea acida</i>
	<i>Lannea microcarpa</i>
	<i>Mangifera indica</i>
	<i>Pupalia lappacea</i>
	<i>Pupalia lappacea</i>
	<i>Spondias mombin</i>
	<i>Anacardium occidentale</i>
	<i>Lannea barteri</i>
	<i>Ozoroa insignis</i>
Apocynaceae	<i>Alstonia boonei</i>
	<i>Picralima nitida</i>
	<i>Alstonia boonei</i>
	<i>Carissa spinarum</i>
	<i>Catharanthus roseus</i>
	<i>Holarrhena floribunda</i>
	<i>Oncinotis nitida</i>
	<i>Pleiocarpa Benth</i>
	<i>Rauwolfia vomitoria</i>
	<i>Strophanthus hispidus</i>
	<i>Pleiocarpa pycnantha</i>
	<i>saba comorensis</i>
	<i>Strophanthus sp</i>
	<i>Thevetia peruviana</i>
	<i>Voacanga africana</i>
<i>Rauwolfia vomitoria</i>	
Combretaceae	<i>Combretum micranthum</i>
	<i>Anogeissus leiocarpa</i>
	<i>Cochlospermum tinctorium</i>
	<i>Combretum glutinosum</i>
	<i>Combretum molle</i>
	<i>Pteleopsis suberosa</i>
	<i>Terminalia glaucescens</i>
	<i>Combretum micranthum</i>
Euphorbiaceae	<i>Mallotus oppositifolius</i>
	<i>Acalypha fruticosa</i>
	<i>Acalypha villicaulis</i>
	<i>Securinega virosa</i>

	<i>Antidesma venosum</i>
	<i>Jatropha curcas</i>
	<i>Bridelia ferruginea</i>
	<i>Croton gratissimus</i>
	<i>Flueggea virosa</i>
	<i>Hymenocardia acida</i>
	<i>Jatropha gossypifolia</i>
	<i>Manihot esculenta</i>
	<i>Phyllanthus amarus</i>
	<i>Phyllanthus fraternus</i>
	<i>Croton zambesicus</i>
	<i>Euphorbia hirta</i>
	<i>Ricinus communis</i>
	<i>Alchornea cordifolia</i>
	<i>Hymenocardia acida</i>
Leguminosae- Mimosoideae	<i>Tetrapleura tetraptera</i>
	<i>Parkia biglobosa</i>
	<i>Prosopis africana</i>
	<i>Dichrostachys cinerea</i>
	<i>Dichrostachys cinerea</i>
	<i>Entada abyssinica</i>
	<i>Albizia adianthifolia</i>
Leguminosae- Papilionoideae	<i>Cajanus cajan</i>
	<i>Dalbergia ecastaphyllum</i>
	<i>Desmodium adscendens</i>
	<i>Desmodium ramosissimum</i>
	<i>Eriosema griseum</i>
	<i>Eriosema pulcherrimum</i>
	<i>Erythrina senegalensis</i>
	<i>Indigofera capitata</i>
	<i>Indigofera dendroides</i>
	<i>Indigofera hirsuta</i>
	<i>Indigofera macrocalyx</i>
	<i>Indigofera macrophylla</i>
	<i>Indigofera paniculata</i>
	<i>Indigoferafulvopilosa</i>
	<i>Indigofera stenophylla</i>
	<i>Pterocarpus erinaceus</i>
	<i>Tephrosia purpurea</i>
	<i>Lonchocarpus sericeus</i>
	<i>Aganope stuhlmannii</i>
	<i>Cajanus cajan</i>
	<i>Stylosanthes fruticosa</i>
	<i>Zapoteca portoricensis</i>
	<i>Tephrosia sp</i>

	<i>Vigna gracilis</i>
	<i>Desmodium ramosissimum</i>
	<i>Indigofera polysphaera</i>
	<i>Lonchocarpus sericeus</i>
	<i>Millettia thonningii</i>
	<i>Pericopsis laxiflora</i>
	<i>Pterocarpus erinaceus</i>
	<i>Tephrosia vogelii</i>
	<i>Zornia glochidiata</i>
Leguminosae- Caesalpinioideae	<i>Caesalpinia bonduc</i>
	<i>Caesalpinia pulcherrima</i>
	<i>Chamaecrista mimosoides</i>
	<i>Chamaecrista rotundifolia</i>
	<i>Dialium guineense</i>
	<i>Senna occidentalis</i>
	<i>Senna siamea</i>
	<i>Cassia sieberiana</i>
	<i>Detarium microcarpum</i>
	<i>Piliostigma thonningii</i>
	<i>Daniellia oliveri</i>
	<i>Caesalpinia bonduc</i>
	<i>Cynometra megalophylla</i>
	<i>Dialium guineense</i>
	<i>Piliostigma thonningii</i>
	<i>Senna alata</i>
	<i>Senna italica</i>
Loganiaceae	<i>Anthocleista vogelii</i>
	<i>Anthocleista amplexicaulis</i>
	<i>Anthocleista djalonensis</i>
	<i>Anthocleista liebrechtsiana</i>
	<i>Anthocleista madagascariensis</i>
	<i>Anthocleista nobilis</i>
	<i>Anthocleista procera</i>
	<i>Anthocleista schweinfurthii</i>
Poaceae	<i>Imperata cylindrical</i>
	<i>Pennisetum purpureum</i>
	<i>Saccharum officinarum</i>
	<i>Cymbopogon giganteus</i>
	<i>Sorghum bicolor</i>
	<i>Cymbopogon citratus</i>
Rubiaceae	<i>Fadogia agrestis</i>
	<i>Chassalia kolly</i>
	<i>Crossopteryx febrifuga</i>
	<i>Diodia sarmentosa</i>
	<i>Feretia apodanthera</i>

<i>Gardenia erubescens</i>
<i>Morinda lucida</i>
<i>Nauclea diderrichii</i>
<i>Pavetta corymbosa</i>
<i>Pavetta crassipes</i>
<i>Rytigynia umbellulata</i>
<i>Sarcocephalus latifolius</i>
<i>Spermacoce ruellia</i>
<i>Vangueriella spinosa</i>
<i>Fadogia agrestis</i>
<i>Fadogia erythrophloea</i>
<i>Diodia scandens</i>
<i>Gardenia aqualla</i>
<i>Gardenia ternifolia</i>
<i>Mitracarpus hirtus</i>
<i>Nauclea diderrichii</i>
<i>Psychotria vogeliana</i>
<i>Rytigynia umbellulata</i>
<i>Spermacoce stachydea</i>
<i>Stipularia africana</i>
<i>Vangueriella spihosa</i>
<i>Tricalysia okelensis</i>
<i>Morinda lucida</i>
<i>Nauclea latifolia</i>
<i>Pavetta corymbosa</i>
<i>Afraegle paniculata</i>
<i>Citrus aurantifolia</i>
<i>Citrus aurantium</i>
<i>Citrus limon</i>
<i>Citrus maxima</i>
<i>Clausena anisata</i>
<i>Zanthoxylum zanthoxyloides</i>

Appendix 2: List of priority families and species of agroforestry plants considered in the framework of the BID national project of Benin

Family	Species
Malvaceae	<i>Adansonia digitata</i>
	<i>Lannea microcarpa</i>
	<i>Haematostaphis barteri</i>
	<i>Sclerocarya birrea</i>
Arecaceae	<i>Colocasia esculenta</i>
	<i>Xanthosoma sagiffolium</i>
	<i>Borassus aethopium</i>
Clusiaceae	<i>Pentadesma butyracea</i>
	<i>Garcinia kola</i>
Convolvulaceae	<i>Ipomea batatas</i>
Dioscoreaceae	<i>Dioscorea spp</i>
Leguminosae- Caesalpinioideae	<i>Tamarindus indica</i>
	<i>Dialium guineense</i>
	<i>Detarium microcarpum</i>
Leguminosae- Mimosoideae	<i>Parkia biglobosa</i>
	<i>Acacia spp</i>
	<i>Albizia chevalieri</i>
	<i>Faidherbia albida</i>
	<i>Parkia bicolor</i>
Moraceae	<i>Artocarpus communis</i>
Sapotaceae	<i>Vitellaria paradoxa</i>
	<i>Chrysophyllum albidum</i>
Sterculiaceae	<i>Sterculia setigera</i>
	<i>Cola millenii</i>
	<i>Cola gigantea</i>
	<i>Cola nitida</i>
	<i>Cola acuminata</i>