IMPLEMENTING THE US GLOBAL WATER STRATEGY: NOTES FROM THE FIELD

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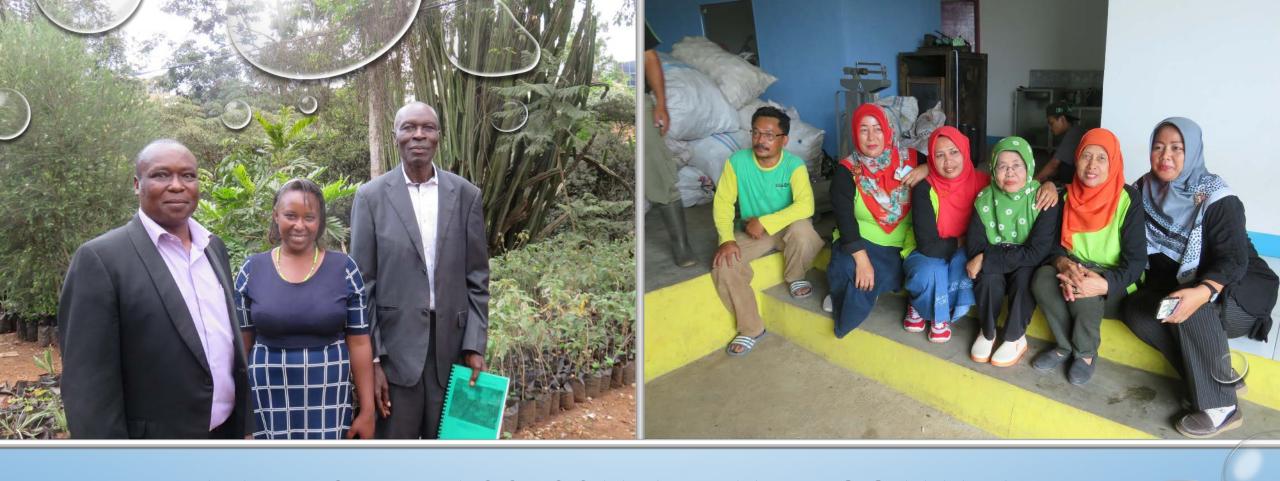
20 MARCH 2019

WATER EXPERTS PROGRAM



Nairobi River Basin River Restoration Program, Kenya, June 2017

Citarum River Basin Assessment, Indonesia, September 2018



WATERSHED ASSESSMENT AND COMMUNITY PARTICIPATION



ASSESS INSTITUTIONAL CAPACITY

- COMMUNICATION BETWEEN
 GOVERNMENT OFFICES
- HIGH LEVEL OF COMMUNITY ENGAGEMENT
- UPSTREAM/DOWNSTREAM
 COLLABORATION
- LOCAL GOVERNMENT COMMITMENT

USG Strategic Approach: Engage diplomatically

CONDUCTING RESEARCH

- RESEARCH ACTIVITY BY THEMATIC AREA
- LINKAGES TO UNIVERSITIES; FACILITATED BY GOVERNMENT OFFICES
- INTERNSHIPS IN GOVERNMENT OFFICES AND FACILITIES
- INVESTMENT IN COMMUNITIES

USG Strategic Approach:
Promote science, technology, innovation and information





DATA INVESTMENT AND DEVELOPMENT

- DEVELOP A DATA POLICY: OPEN ACCESS
- INTEGRATED DATABASE BUILT ON OPEN SOURCE TOOLS
- PILOT PROJECT

EXPLORE:

- MOBILE TOOLS
- REMOTE SENSING DATA

		1	Sub-Region	LAT	LONG	FIRST_YEAR	LAST_YEAR	DIFFERENCE
	ID	NAME		0.843	34.524	1978	2014	36
	/ 1ABO		KITALE	0.804	35.443	1953	2014	61
1	1BA01		KITALE	0.928	35.133	1948	2014	66
1	1BC01	NOIGAMEG		0.819	35.125	1961	2014	53
-	1BD01	LITTLE NZOIA		The second second	34.925	1960	2014	54
-	BG07	RONGAI	KITALE	0.774	34.525	2004	2014	10
-	-	SOSIO	KITALE	0.000	35.367	1964	2014	50
1 1 CE		NDOROTO	ELDORET	0.446	35.383	1964	2014	
1CEO		KARREN	ELDORET	0.608	34.965	1948	2014	
DA02	1		ELDORET	0.589	34.807	1947	2014	
	NZOI	AAT		200				
-01	RUAN	1BWA S	IAYA	0.124	34.090	1974	201	14 40
02	ZAABA	51	AYA			1959	201	14 5

USG Strategic Approach:

Promote science, technology, innovation and information



TECHNICAL PARTNERSHIPS

- WATER SUPPLY INFRASTRUCTURE
- WATER QUALITY MONITORING
- WASTEWATER TREATMENT
- STORMWATER RUN-OFF
- DATA MANAGEMENT AND GEOSPATIAL APPLICATIONS



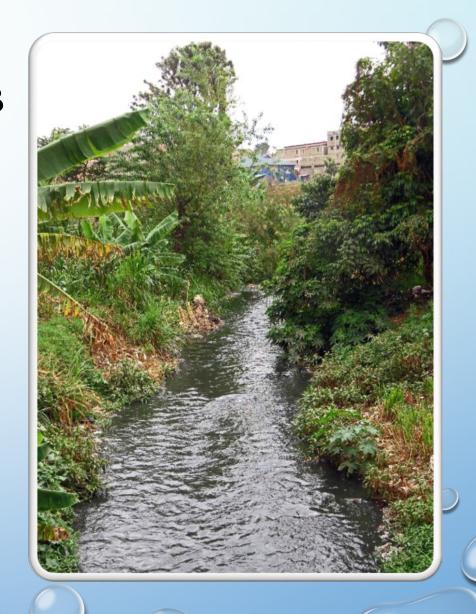
USG Strategic Approach:

Promote science, technology, innovation and information

RIVER AS PARTICIPANT: IDENTIFY HOW THE RIVER CAN DO ITS JOB

- ECOSYSTEM SERVICES
- FLOOD MANAGEMENT
- RIPARIAN ZONES
- RIVER PARKS AND GREEN SPACES
- RIVERS PROVIDE CONNECTIVITY ACROSS THE LANDSCAPE

USG Strategic Approach:
Invest in sustainable infrastructure and servcies



COMMUNITY ENGAGEMENT THROUGH PARTICIPATORY MAPPING

- 1) Identify issues and hotspots
- 2) Prioritize
- 3) Demonstration/Pilot Projects
- 4) Community monitoring

USG Strategic Approach:
Strengthen partnerships, intergovernmental organizations, and the international community



DEVELOP PARTNERSHIPS → IDENTIFY ACTIVITIES → CREATE NETWORKS

- SCHOOLS/UNIVERSITIES
 - RIVER CLEAN-UPS
 - RAPID STREAM ASSESSMENTS
 - WATER QUALITY KITS

USG Strategic Approach:
Strengthen partnerships,
intergovernmental organizations,
and the international community

- INDUSTRY AND BUSINESS
 - SPONSOR RIVER CLEAN-UPS
 - PARTNER WITH SCHOOLS



- LOCAL GOVERNMENT
 - FACILITATE AND SUPPORT
 - PUBLIC RELATIONS
 - PUBLICITY



WATER + LOCAL DATA +COMMUNITY ENGAGEMENT = SHARED GOVERNANCE

- CIVIC TECHNOLOGY
- IDENTIFY COMMON PROBLEMS
- DETERMINE SHARED GOALS
- FACILITATE AND ENSURE COMMUNICATION

USG Strategic Approach: Strengthen partnerships, intergovernmental organizations, and the international community

SOLUTIONS ARE CYCLICAL, NOT LINEAR

- IDENTIFY WASTE STREAMS
 - DETERMINE SOLUTIONS FOR EACH SEPARATE WASTE STREAM
 - RECYCLING, VALUE-ADDED TRASH, ENERGY SOURCE, REMOVAL AND DISPOSAL
 - MONITORING
- LOCAL COMMUNITY PARTICIPATION
- ENGAGE LOCAL BUSINESSES
- TRANS-AGENCY COLLABORATION





COMMITMENT

- LONG TERM INVESTMENT AND PARTNERSHIPS
- BENCHMARKS AND DELIVERABLES
 - ACCOUNTABILITY AND RESPONSIBILITY
- INVESTMENT IN YOUTH:

SUSTAINABILITY DRIVERS!



