

WPP M&E Database Phase II

Synthetic presentation

9 February 2016

DB design

Database Technical Design

The WPP M&E adopts technical solutions that make it robust and scalable, but without being expensive.

- The **backend** of the database (i.e. the tables that store the data) is done with MS SQL Server Express (a free version of SQL Server)
 - The **frontend** of the database (entry forms through which the administrator can enter data) is built with MS Access
- The **reporting** will be done with MS SQL Report Builder (another free report-authoring environment which is free, internet based and integrated with Microsoft Office tools)

Database design and maintenance resources

KEY DATES

Design started: Oct 2012

Design ended: Feb 2013

Major fine-tuning: until Nov 2013

Major trouble-shooting instance: Sept 2015

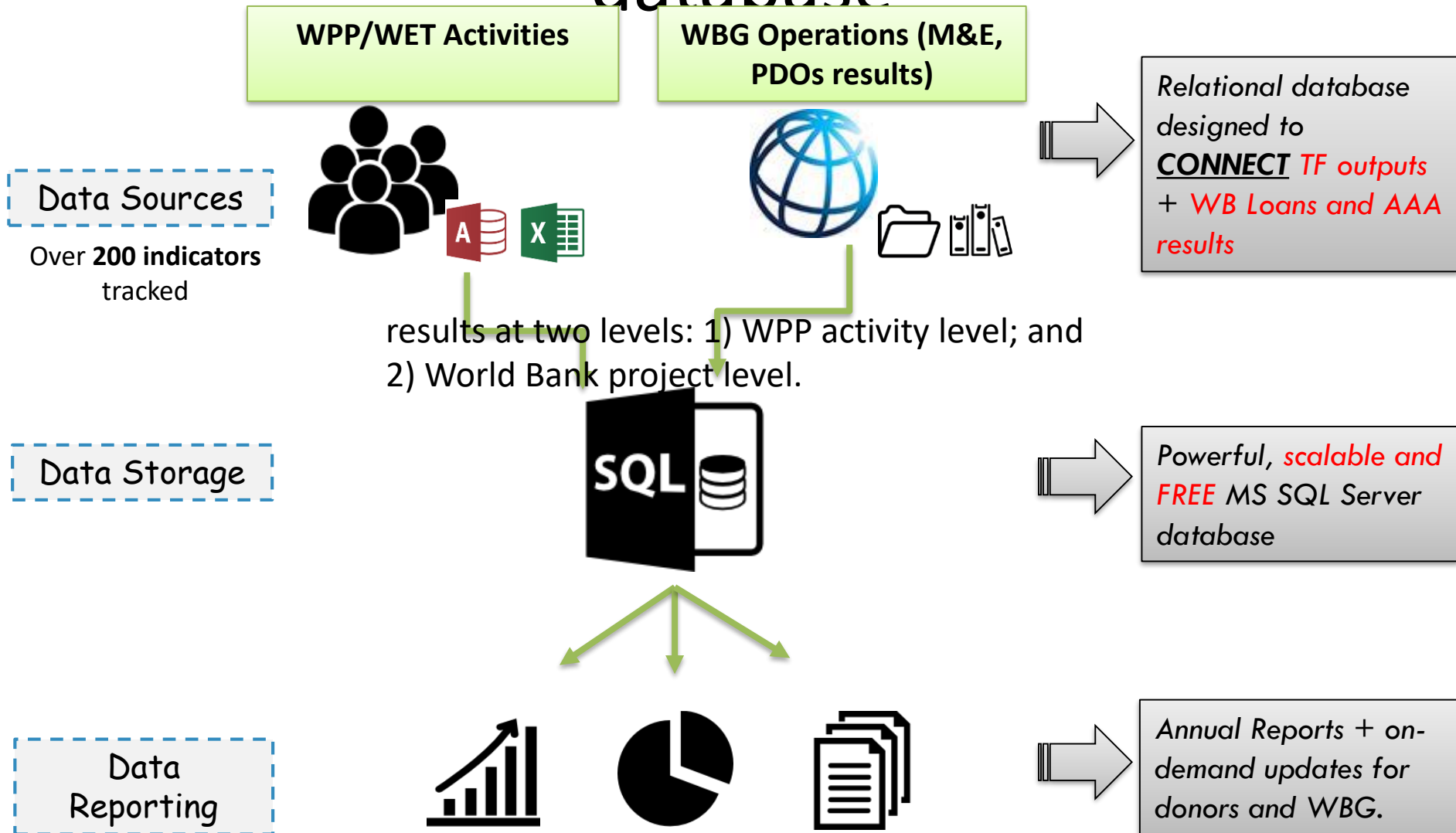
Resources (FY12 – FY 16)	DESIGN	MAINTENANCE / TROUBLE SHOOTING
Contractors	1 Sr. SQL Programmer	
	2 Jr. SQL Programmers	1 Jr. SQL Programmer
WPP team	1 Sr. M&E specialist	1 Sr. M&E specialist 1 Jr. database analyst With periodic contributions from WPP team

ESTIMATES

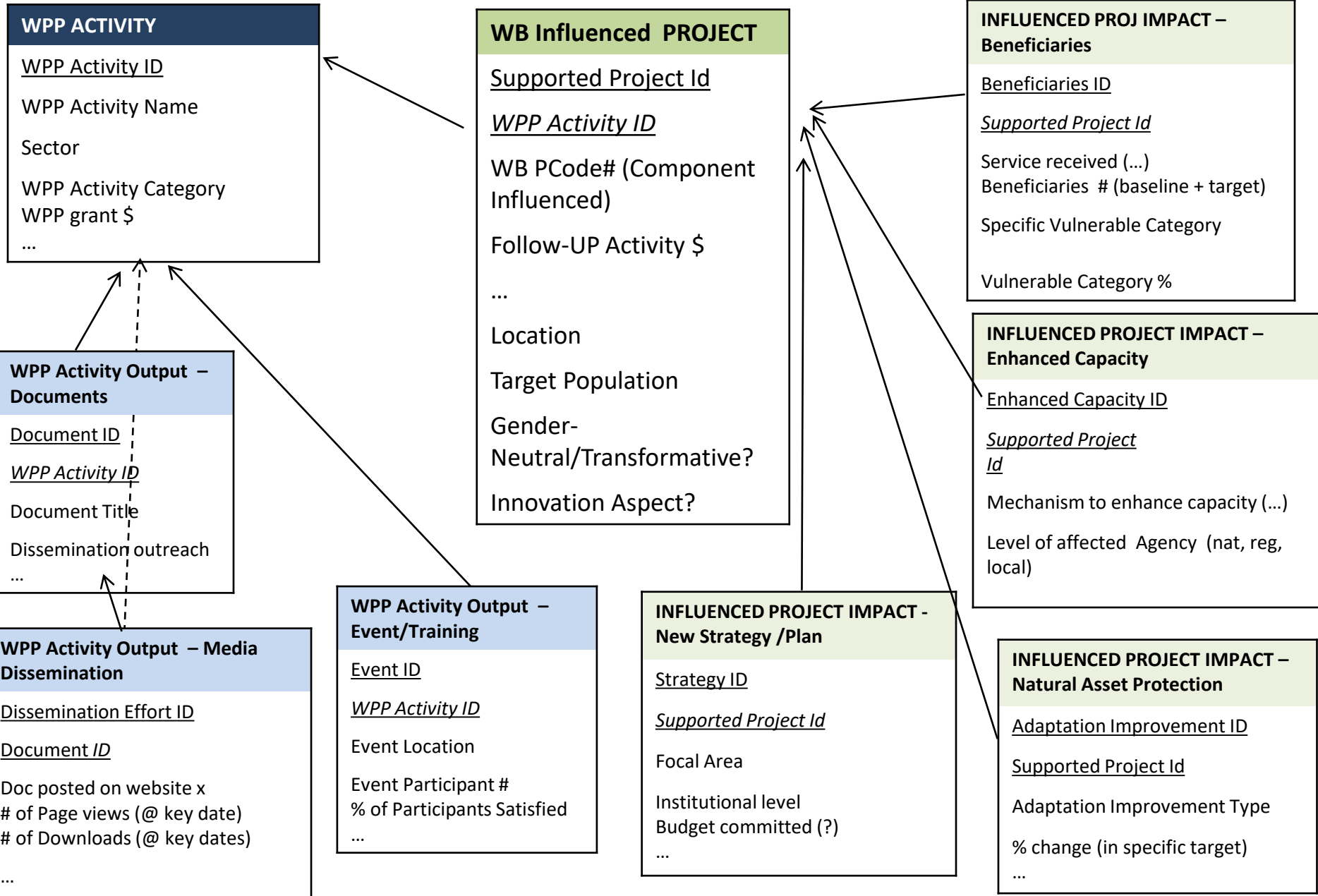
Overall cost design: ~ 45,000 US\$

Overall cost maintenance per FY ~ 50,000 US\$

Technical design of the WPP M&E database



Database schema-original (Entity Sets with *main* attributes)



Main analytical steps in WPP's Phase II reporting

1. Identification of approved WPP and WET activities as of the latest “dd/mm/yyyy” cutoff date
2. Collection of activity level outputs (grant amounts and cofounding, training, and knowledge creation and dissemination) by sub-sector and topics
3. Identification of WB “Influenced” Projects portfolio - both lending and non-lending supported by 1 or more WPP grant(s)
 - Validation of Pcodes actual influence type (none, some, whole, unclear)
 - Selection of relevant component(s) for each and every WB lending project (imprecise answers)
 - Flagging innovative / pro-poor / gender informed WB projects
4. Update of relevant funding and results indicators
 - Direct Beneficiaries
 - Natural assets protected
 - Capacity enhancement
 - New strategy / plans and related investment

KEY DOCUMENTS:

1. *At launch, projects are identified by TTLs themselves when they submit the Grant Funding Request (GFR) for a WPP activity (similar form for WET).*
2. *At activity completion, the TTL is required to submit the Grant Reporting and Monitoring (GRM) form (similar form for WET).*

Data Collection: team effort

	WHAT	WHO	HOW FREQUENTLY	NOTE
Excel files	Toolkit	Peggy	1/month	* umbrella TFs (WPP & WET) duplication!!
	BW Lending	Matthijs	1/month	
	BW AAA	Matthijs	1/month	
	WET	Gina	1/month	
	Document	Ale	1/month (or more?)	
	Events	Adria	1/month	* Ensure backup attending events
	Media Dissemination	Nansia	1/month	
ACCESS ENTRY FORMS	Influenced Project	Luisa	Ongoing (dep. on team input)	
	Enhanced Capacity	Luisa	""	
	Strategy Plan	Luisa	""	
	Natural Asset	Luisa	""	
	Beneficiaries	Luisa / Adria	""	

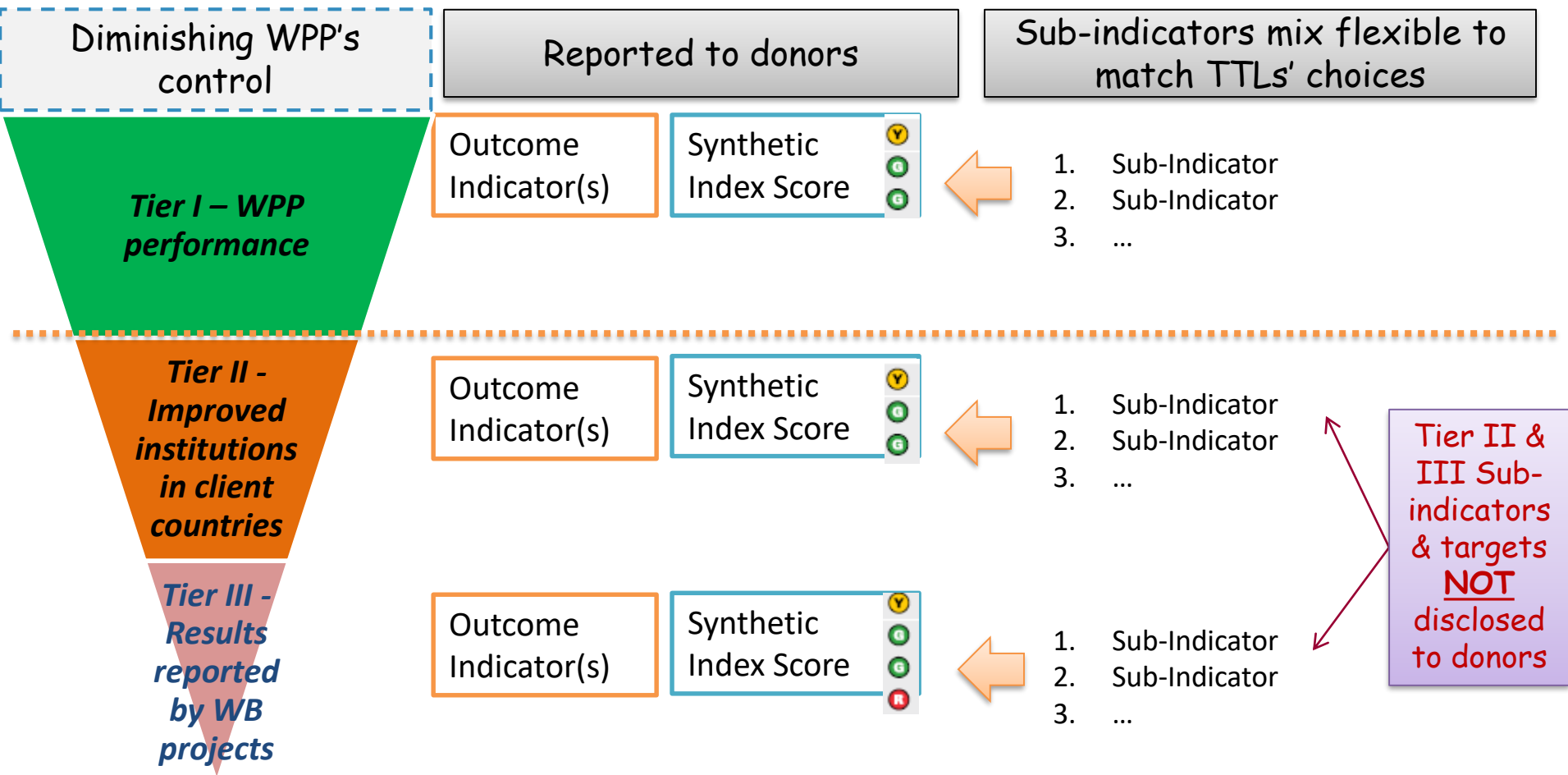
**Issues and
suggestions for
hypothetical
Phase III**

M&E Results for Phase III: strengths and next steps...

- **Strengths of existing system:**
 - Tested, scalable database tracking over 200 indicators
 - WPP RF harmonized with WBG reporting (e.g. CSI)
 - One of the few systems robustly linking TF and WBG results
 - WPP's could be a prototype for integration of TF & GP's results
- **Challenges ahead:**
 - GP's strategy & RF still unclear...
 - Capture the "hard-to-count" results:
 - WRM & global initiatives
 - Innovation
 - Institutions Capacity
 - New Policies informed
 - Tension between demand-driven work vs. pre-agreed indicators' targets

M&E Results for Phase III: ideas for a better system:

1) multi-tiered RF / 2) index-like scores / 3) undisclosed sub-indicators targets



Legend of Performance rating -

- Majority of the indicators in the group show improvement or are on-track.
- No clear trend; while some indicators show improvement, others show decline or no change.
- Majority of the indicators in the group show declines or are off-track.
- There is insufficient data or there are no trends for the indicators in the group.

DB results in WPP Annual Reports

a. Overview of Results until June 2014

Table 3.1 - INDICATOR A: WPP strategic funding mobilization

	Target WPP Phase II 2012-2016):	Reached as of June 2014
1) Percentage of the value of approved WPP activities in Africa (%)	30%	51%
2) Percent of the value of firm contracts (in programmatic window) adopting Quality-Based Selection (QBS) procurement (%)	50%	Waiting for Matthijs....
3) Bank internal co-funding for WPP activities (\$)	US\$ 10 million	US\$ 1,279,531
4) External co-funding for WPP activities (\$)	US\$ 1 million	US\$ 671,000

Note: Indicator 3 "Co-funding" means additional funds that were mobilized to implement the WPP activity itself (it does not include funding of "influenced" World Bank projects).

a. Overview of Results until June 2014

Table 3.2 - INDICATOR B: Events and training supported by WPP

	Target WPP Phase II 2012-2016):	Reached as of June 2014
1) Number of Participants (#)	4,000	1,102
2) Percent of Participants that indicate they are likely to apply knowledge in their work (%)	70%	51%
3.1) Number of agencies/firms represented by Participants (#)	200	205
3.2) Percent of Govt. Agencies (%)	60%	49%
3.3) Percent of Private firms (%)	40%	51%

Adria in charge of intercepting event logs now...

Add 2 more categories of participants

a. Overview of Results until June 2014

Table 3.3 - INDICATOR C: Web-based outreach and use of WPP Publications

	Target WPP Phase II 2012-2016):	Reached as of June 2014
1.1) Downloads per document after announcement (#)	300	692
1.2) Percent of downloads from developing countries (%)	50%	31%
2.1) Downloads per flagship document after announcement (#)	2,000	1,721
2.2) Percent of downloads from developing countries (%)	50%	21%
3) Percent of visitors of the WPP website that visit at least 2 pages (%)	40%	66%
4) Average quality assessment scoring of WPP knowledge products by client country governments (and WET products scoring by Bank project teams)	4 out of 5	4.6

Note: Indicator 2.1 is based on one flagship report for the Thirsty Energy initiative. The number of downloads reflects 6 documents published so far.

Client Quality score is almost never collected

a. Overview of Results until June 2014

Table 3.4 - INDICATOR D: New plans and strategies promoted by WPP activities in client countries

	Target WPP Phase II 2012-2016):	Reached as of June 2014
1.1) Number of non-water Policies/ Strategies that incorporate water (#)	10	9 (but incomplete details)
1.2) Number of policies/strategies accounting for competing water uses (#)	40	6 (but incomplete details)
2.1) Number of Policies/ Strategies endorsed by a client agency (#)	30	6 (but incomplete details)
2.2) Number of policy or strategy investment plans endorsed by clients (#)	15	9 (but incomplete details)
3) Budget Allocated for policy/strategy implementation (\$)	150 million	

Ambiguous GFR answers on New Policies or Strategy

a. Overview of Results until June 2014

Table 3.5 -INDICATOR E: Capacity enhancement

	Target WPP Phase II 2012-2016):	Reached as of June 2014	
		Actual	Planned
1.1) Early Warning Systems (EWS) installed (#)	8	1	3
1.2) (Upon installation of EWS), relevant threat information is disseminated to stakeholders on a timely basis (Yes/No)	90% (Yes)	100% (Yes)	
2) Operational water users associations created/strengthened (#)	20	1,448*	2,344
3) Government Agencies (#) with strengthened capacity to address:	33	15	73
3.1) Climate change	5	0	45
3.2) Water Security	8	15	16
3.3) River Basin issues	20	0	12
Additional results (outside of WPP Results Framework)			
River Basin Organization established	NA	0	29
People trained	NA	908	1,220
Monitoring system implemented	NA	1	3
Reform of Econ Incentives or Tariff scheme	NA	0	1

Note (*) Indicator 2 "Water Users Associations strengthened" includes a project in Indonesia where numerous small WUAs were strengthened.

a. Overview of Results until June 2014

Table 3.6 - INDICATOR F: Amount of Bank lending influenced & additional funding leveraged through WPP activities

	Target WPP Phase II 2012-2016):	Reached as of June 2014
1) Value of (WB) investments supported (US\$)	15 billion	10.2 billion
2) Total project value of influenced investments in which the Bank is involved (US\$)	25 billion	15.3 billion
3) Value of additional investments (in which WB is not involved) (US\$)	500 million	Pending submission of final activity reports
4) Number of projects designs improved through a WPP activity (#)	100	71

a. Overview of Results until June 2014

Table 3.7 - INDICATOR G: Physical and natural assets protected

	Target WPP Phase II 2012-2016):	Reached as of June 2014	
		Actual	Planned
1) Coastline and freshwater under biodiversity protection (km)	1200	0	0
2.1) Area brought under enhanced biodiversity protection (ha)	1 million	0	0
2.2) Number of studies incorporating ecosystem valuation (#)	7	0	0
3) Water Storage capacity increase (m3)	12 billion	0	0
4) Aquifer pumping reduction (m3 /yr)	20 million	14.3 million	20.6 million
5) Areas provided with irrigation / drainage services (ha)	2 million	93,492	0.7 million
6) Hydropower generated (MW)	3,000	16	285
Additional results (outside of WPP Results Framework)			
Treated Waste Water available for agriculture (m3)	NA	0	58 million
Volume (mass) of BOD pollution loads removed by treatment plant (tons/ year)	NA	0	2,390
Areas benefiting from reduced flooding or erosion (%)	NA	48	48
Areas benefiting from reduced flooding or erosion (ha)	NA	0	7,600
Area restored or re/afforested (ha)	NA	0	2,000
Area adopting sustainable land management practices (ha)	NA	0	1,850

a. Overview of Results until June 2014

Table 3.8 - INDICATOR H: People benefiting from projects supported by WPP activity

	Target WPP Phase II 2012-2016):	REACHED AS OF JUNE 2014		
		Actual (Number)	Actual (Women %)	Planned (Number)
1) Target Population in project area (#)	0.5 billion	1.2 billion	NA	NA
2.1) Direct beneficiaries from the project (#):	100 million	12.9 million	47.8%	27.1 million
2.2) WSS beneficiaries (#)	35 million	12 million	52.6%	17.4 million
2.3) Water users with new/improved irrigation & drainage services (#)	30 million	0.7 million	35.5%	0.8 million
2.4) Other WRM beneficiaries (#)	35 million	100,000	51%	8.9 million

Notes: Direct irrigation and WRM beneficiaries (Indicators 2.3 and 2.4) are almost never tracked in Bank projects. Often project teams use non-standard indicator definitions that cannot be aggregated. For instance, in lieu of indicator 2.3, project teams are more likely to use percentages of farmers reached, crop yield or income increases.

a. Overview of Results until June 2014

Table 3.9 -INDICATOR I: Cross-Sectoral mainstreaming of WRM

	Target WPP Phase II 2012-2016):	Reached as of June 2014
1) Guidance Notes created including an assessment on improvements required in Operational Policies for specific sectors (#)	5	2
2) Guidance Notes for specific sectors endorsed by respective Sector Board (#)	4	0
3) Agreement by Operational Policy and Quality Department (OPCSPQ) to move forward on modernization of Operational Policies for mainstreaming of WRM (# of sectors)	2	0

BACKUP - WPP

**Results Framework
agreed with donors**

WPP Phase II Results Framework (1)

Objective	Poverty Reduction through Improved WRM and Service Delivery, and Climate-Resilient Green Growth									
Impact	Climate-resilient green growth enabled through water-smart development					Vulnerable populations provided with an enhanced quality of life				
Outcome	WPP strategic funding mobilization		Knowledge and operational tools created, disseminated and used			Plans & strategies designed and capacity enhanced for improved WRM and service delivery				
Indicator	(A) Strategic use of WPP activity funds		(B) Events and training supported by WPP		(C) Web-based outreach and use of WPP publications		(D) New plans & strategies promoted by WPP activities in client countries		(E) Capacity enhancement	
Sub-Indicators & Targets		Target:		Target:		Target:		Target:		Target:
	1) Percentage of the value of approved WPP activities in Africa (%)	30	1) Number of Participants (#)	4000	1.1) Downloads per document after announcement (#)	300	1.1) Number of non-water Policies/ Strategies that incorporate water (#)	10	1.1) Early Warning Systems (EWS) installed (#)	8
	2) Percent of the value of firm contracts (in pro-grammatic window) adopt-ing QBS procurement (%)	50	2) Percent of Participants that indicate they are likely to apply knowledge in their work (%)	70	1.2) Percent of downloads from developing countries (%)	50	1.2) Number of policies/strategies accounting for competing water uses (#)	40	1.2) (Upon installation of EWS), relevant threat information is disseminated to stakeholders on a timely basis (Yes/No)	90% Yes
	3) Bank internal co-funding for WPP activities (\$)	10 million	3.1) Number of agencies/firms represented by Participants (#)	200	2.1) Downloads per flagship document after announcement (#)	2000	2.1) Number of Policies/ Strategies endorsed by a client agency (#)	30	2) Operational water users associations created /strengthened (#)	20
	4) External co-funding for WPP activities (\$)	1 million	3.2) Percent of Govt. Agencies (%)	60	2.2) Percent of downloads from developing countries (%)	50	2.2) Number of policy or strategy investment plans endorsed by clients (#)	15	3) Government Agencies (#) with strengthened capacity to address:	33
			3.3) Percent of Private firms (%)	40	3) Percent of visitors of the WPP website that visit at least 2 pages (%)	40	3) Budget Allocated for policy/strategy implementation (\$)	150 million	3.1) Climate change	5
					4) Average quality assessment scoring of WPP knowledge products by client country governments (and WET products scoring by Bank project teams)	4 out of 5			3.2) Water Security	8
									3.3) River Basin issues	20

WPP Phase II Results Framework (2)

Poverty Reduction through Improved WRM and Service Delivery, and Climate-Resilient Green Growth

Objective

Impact

Outcome

Indicator

Sub-Indicators & Targets

	Climate-resilient green growth enabled through water-smart development		Vulnerable populations provided with an enhanced quality of life					
	Downstream loans supported through improved design and implementation	Vulnerability reduced via pro-poor and gender-sensitive	Water mainstreamed into other sectors					
	(F) Amount of Bank lending influenced & additional funding leveraged through WPP activities	(G) Physical and natural assets protected *	(H) People benefiting from projects supported by WPP activity	(I) Cross-sectoral mainstreaming of WRM				
		Target:	Target:	Target:				
	1) Value of (WB) investments supported (\$)	15 billion	1) Coastline and freshwater under biodiversity protection (km)	1200	1) Target Population in project area (#)	0.5 billion	1) Guidance Notes created including an assessment on improvements required in Operational Policies for specific sectors (#)	5
	2) Total project value of influenced investments in which the Bank is involved (\$)	25 billion	2.1) Area brought under enhanced biodiversity protection (ha)	1 million	2.1) Actual beneficiaries from the project (#):	100 million	2) Guidance Notes for specific sectors endorsed by respective Sector Board (#)	4
	3) Value of additional investments (in which WB is not involved) (\$)	500 million	2.2) Number of studies incorporating ecosystem valuation (#)	7	2.2) WSS beneficiaries (#)	35 million	3) Agreement by Operational Policy and Quality Department (OPCSPQ) to move forward on modernization of Operational Policies for mainstreaming of WRM (# of sectors)	2
	4) Number of projects designs improved through a WPP activity (#)	100	3) Water Storage capacity increase (m3)	12 billion	2.3) Water users provided with new/improved irrigation & drainage services (#)	30 million		
			4) Aquifer pumping reduction (m3 /yr)	20 million	2.4) Other WRM beneficiaries (#)	35 million		
			5) Areas provided with irrigation / drainage services (ha)	2 million	2.5) For 2.1 to 2.4: Women (%)	50 (*)		
			6) Hydropower generated (MW)	3000	2.6) For 2.1 to 2.4: Vulnerable (%)	35		