Internet & E-Government in International Development

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# Internet & E-Government in International Development

## Table of Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>E-Governance – a Definition</td>
</tr>
<tr>
<td>2</td>
<td>E-Governance – potential areas of support for donors</td>
</tr>
<tr>
<td>3</td>
<td>KfW E-Governance examples in developing countries</td>
</tr>
</tbody>
</table>
| 4       | 2 Cases: - Automating social cash transfers in Malawi  
- Remote monitoring of a rural irrigation programme in Mali |
| 5       | Opportunities and Risks of supporting E-Governance projects |
E-Governance – a Definition
E-Governance – a Definition

Efficiency increase of public administrations

Triangle of E-Governance objectives

Enhanced access to political processes

Core components of the German Good Governance Concept

- Government performance
- Improvement & expansion of public services
- Efficiency increase of public administrations
- Transparency Accountability
- Empowerment
- Participation
- Equal opportunities
E-Governance – potential areas of support for donors
## E-Governance – potential areas of support for donors

### E-Governance

#### PFM
- Revenue Management
- IFMIS-Components
- Procurement
- E-Payment
- Auditing / Compliance
- Connect regional offices

#### Public admin in general
- DMS / CMS /eFiling
- HR / Payroll
- Civil Status / eID
- Land MgtSystems
- GtoB- & GtoC-Services
- Connect regional offices

### E-Accountability

#### PFM
- Corruption reporting
- Public procurement platforms
- Open Data Services

#### Decentralisation / City Dev. Investment Projects in all Sectors
- Citizen-Feedback
- Public Mapping
- E-Participation
- ICT-supported M&E
KfW E-Governance project examples in developing countries
KfW E-Governance project examples in developing countries

Overview

› Afghanistan: Remote Monitoring Systems to track project implementation and aid effectiveness
› Brasil: Integrated Forestry Management – electronic timber proof of origin system
› East Africa: Co-financing submarine cable EASSy - fast Internet for 27 African States
› Honduras: Geo-referenced Land Title Management & Cadaster System for Biosphere Protection
› Malawi: Electronic smartcard system for social security payment recipients in Malawi
› Mali: Remote Monitoring Systems to track project implementation and aid effectiveness (geo-referenced data)
› Niger: Mobile payment system for teachers
› Ruanda: Mobile-enhanced citizen feedback loop project monitoring system (district level)
› Togo: Mobile-enhanced citizen feedback loop monitoring system of local governance (municipality level)
› Uganda: Data Warehouse application for Uganda Revenue Authority
Potential Benefits and Efficiency Gains through Automation - the case of Malawi
Social Cash Transfers: Costs of Program Expansion

Sample Simulation

![Graph showing the costs of program expansion compared to the number of beneficiary households. The graph compares manual and automated process scale up costs.]
Automation Potentials for Social Cash Transfer Systems

Monitoring & Evaluation

Appeals Process

Targeting / Data collection

Ranking / Community Validation

Enrollment

Payment of Transfers

Compliance Monitoring

Reconciliation

Beneficiary Updating / Exit

Mobile Beneficiary Reporting

Case Management / Linkage & Referral

- Updating Lists from MIS
- automated ranking
- e-ID Card
- E-payment: Banks, Mobile Money, Combined
- Mobile Reporting
- MIS - FMS
- Mobile Reporting
Remote Monitoring in Fragile Environments – the case of Mali
Background

Project information:
- Objective: Irrigation for agricultural production (since 1990ies until today), Annual investments of 5,5 Mio EURO.
- Results: until today 546 irrigation areas (surface= 26.050 soccer fields) & 162 basins established (production > 100.000 tons of rice & other cereals)
- Target groups: 70.000 small farmers (direct), population of 400.000 people living in the area (indirect)
- Intricate knowledge and long-standing project management experience of the lead consultant allow for remote management of the project
Satellite-based project monitoring process

data collection, data analysis & use for project planning & supervision, progress monitoring, impact monitoring & evaluation, (perspective: needs-related forecasts, use of minicopters /drones)
Satellite-based impact monitoring by using vegetation index

Public Link to Live Project Map: http://kartographie.planen-bauen-umwelt.tu-berlin.de/pmn/svg_osm/index_svg.html
Opportunities and Risks of supporting E-Governance projects
### Opportunities and Risks of supporting E-Governance projects

#### Opportunities

**In General:**
- Ongoing e-Governance reforms in almost all partner countries
- High potential for efficiency gains -> increased sustainability of the intervention
- Improved compliance & transparency -> Reduction of space for corruption / misuse of funds through process automation
- High investment needs – demand for donor support
- Synergies with budget support and other government / sector programs

**For the beneficiaries:**
- Enhanced access to public services
- Direct beneficiary feedback / dialogue
- Improved management of linkage / referral / follow up services by different actors

#### Risks

**In General:**
- Design flaws -> Cost explosions
- WeakLeadership -> Project failure
- Often: underestimated needs for capacity development
- Flawed process-/communication design -> Potential benefits cannot be leveraged / put into effect
- Costs of authentication -> High entrance barrier
- Politically sensitive areas / Conflict potential

**For the beneficiaries:**
- Digital Divide
- IT-security and data recovery
- Privacy & Mobbing
Thank you!
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