



MONITORING NATIONAL PLANS USING GIS: SOLUTION FOR KAZAKHSTAN

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CONTENT

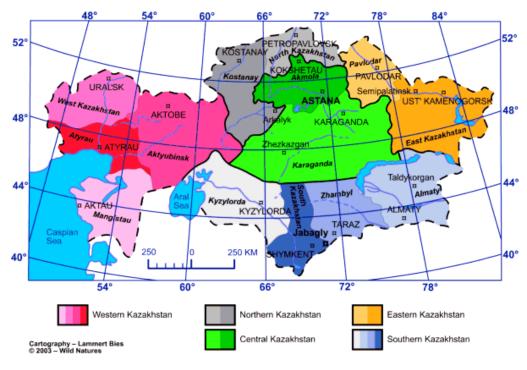
- Problem identification
- Solution
- □ Idea overview
- Case study
- Application examples
- Implementation stages



Solution

- Summarize programs performance targets and projects
- Adapt it into the GIS software for monitoring

KAZAKHSTAN - 5 ECONOMICAL AND 14 POLITICAL REGIONS



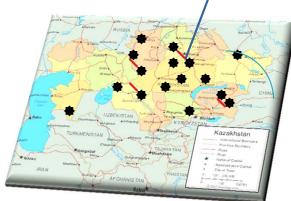
GENERAL IDEA

- Create layers of Programs
- Create layers for Agencies
- Create layers for Projects



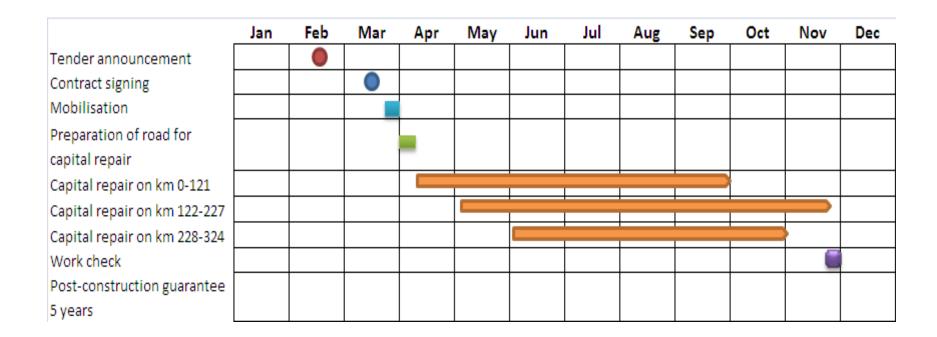
CASE

Layer of Projects



	PROJECT	Mid capital repair of Local road Semei-Pavlodar
/		A capital repair of the road between Semei - Pavlodar due
	Description	to its unacceptable condition. Road lengh is 324 km, road
		category III
	Туре	- select
	Respobsible person	Road Commetee, Ministry of Transport
	Contacts	8701000000, mtkk@mtc.gov.kz
	% of completion	5%
	Tender Date	5-Mar-11
	Number of bidders	12
	Average bid	130,2
	Contractor	тоо "строи-род"
	Winning price	125,4
		The bidding evaluation finished, the contractor selected,
	Current stage	the advance payment is done, the preparatory works are
		finished.
	Timing	January 2011 - December 2011
	Schedule	download
	Cost	145,4
	Project Economic CBR	2.43
	Project NPV	240,4
	Project IRR	18.50%
	Other key responsible people	Mayor of Eastern Kazakhstan Province

Detalisation links



EXAMPLES OF GIS APPLICATIONS

PLANNING

- Budget prioritization (shortage planning)
- Asset management planning

IMPLEMENTATION OF PLANS

- Monitoring projects and plans
- Monitoring coordination process

NATIONAL MONITORING

- Monitor performance (delays on corridors, borders, export-import movements)
- Healthcare, education etc. situation analysis

International examples



- Bappenas agency
- 2010 proposal
- Strong need
- 4 pilot projects
- □ Financial commitment
- GIS educated

Implementation steps

- Create special GIS unit within the government structure
- Organize the work with international consultants
 with capacity building and launch pilot project
- Launch main project and educate the ministries and municipalities on GIS usage