

Development of Land Cover Monitoring System Based on Satellite Observation in Azerbaijan

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SUMMARY

The objective of the development of the Land Cover Monitoring System in Azerbaijan is to provide the rational use of land, prevent land pollution, and apply the optimization in land use.

The project will help automate:

- Observation and definition of structural changes on land cover;
- Obtaining the reporting and mapping on structural changes and crops, in particular their classification.

Expected outcomes:

- Improving the real estate cadastre, increasing the efficiency of land use and land secure in the Republic of Azerbaijan;
- Observe and definition of any changes on all land parcels irrespective of the ownership type – state, municipal and private;
- Support to the avoidance of discrepancies on the distributed land parcels (as a result of the Land Reform);
- Analysis of satellite images and definition of arable land parcels;
- Creation of up-to-date hydrological scheme of the

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country;

- Definition of more populated areas.

Economic efficiency:

- Increase of quality and speed of digital land inventory;
- Increase of land management efficiency;
- Regulation of the land market;
- Applying of modernization, automation and optimization in land governance;
- Simplification of decision making in land cover changes.

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