

Development of information systems in regulation of water-energy relations between countries of Central Asian transboundary river basins

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Abstract This paper describes an information system to support the acceptance of international agreements on using the water-power resource potential in drainage basins, using the example of the basin of the Syrdarya River. The network information system is created to minimize technical control costs due to maximal use of the information resources of departmental monitoring systems integrated to the unique Earth remote sensing (ERP) net. The system includes the organizations: owners of the databases of ground monitoring, environmental managers and administrative parts.

Key word basin; Syrdarya River; Earth remote sensing; digital space information; satellites