FIELD RESEARCH THE RESULTS GEODATA TO THE BASE INTEGRATION

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Abstract In the article Field research the results geodata to the base from integration of use technical aspects , advantages and disadvantages showing passed .

Key words : GAT , ArcGIS , field , geodetic tools , computer technologies , digital tools , electronics total stations , modern innovative technologies , digital technologies .

Mostly in GATs each different format from the data use can Of a specific GAT data structure the only one that it was because of him change of the user to the task enters Data raster from the format vector to the format transfer much complicated is a task , to this relatively vector from the format information geodata to the base integration much easy is counted . Information from GPS device geodata to the base integration as a result changed stands and in this certain errors happened to give possible (Fig. 1) .

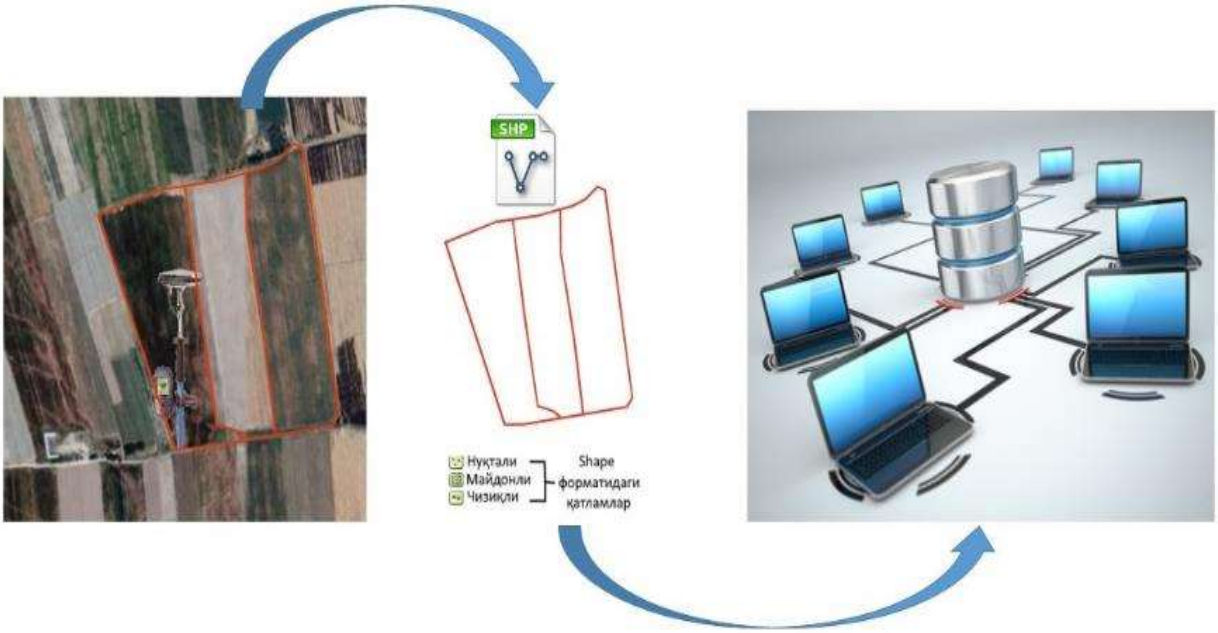

Figure 1. GPS device information geodata to the base integration structure

Simple by doing so to speak information in input Uzbek enter letters of the alphabet " o ", "q", "g" and "h". software supply illiteracy therefore spelling to mistakes road is placed . From this except integration in doing to objects identification number to give system current to be done recommendation will be done . To objects name to give through integration to do as a result spelling errors presence therefore software supply complete integration to do process eligible done increase ca n't Identification numbers to give the way with while integration to do process complete eligible will be done .

This the problem solve for a lot countries special standards acceptance done These are terms list , evidence complex , descriptions list , information integration ways and accuracy means is information . In our republic geodata base formation and information regularly updated on the go of information format unity standardization recommendation will be done . From ten more choir room and in organizations information differently view and in forms being conducted therefore geodata in the base information systematization just a lot problems cause is releasing . Specifically in our republic 20 in progress state cadastre example by doing we bring can 20 state cadastre conduct 27 for ministry and offices Ministers State on cadastres to the law basically in charge reached defined . On October 8 , 2014 Justice Ministry from the list past Davergeodezkadastr of the committee " State cadastres the only one to the system belongs to state cadastres of information composition and them present reach order about ” gi statute to be

confirmed until different format in units and in forms belongs to has been information present reached came This is it statute upon confirmation all ministry and organization offices cadastre information one format together and the only one coordinates in the system form started So though information differently has been enter and Latin in alphabets or Russian and Uzbek in their languages forming present reached they are coming This while information to systematize hindrance by doing is coming Data systematization for the only one unity standard acceptance to be done and As a result to our government interactive services in showing efficient use to the goal according to is counted .

One different information different roads with integration in GATs for two strategy acceptance done :

in GATs only one coordinates system is used and another kind of files coordinates in the system to the format rotate tools there is .

Other to strategy according to coordinates system different systems read takes and GAT 's operator the format change task performs

GPS device received data basically vector in the format will be , and GAT exactly vector the format Demand does Special in programs raster format information vector to the format transfer for operator each one of the line from the beginning until the end observation and initial and last point separately separate need Very big in volume information to transfer a lot time Demand will be done .

Data one from the format to another from transfer except in GATs programs diversity because of certain computer and program for suitable without to change Demand does Various organizations each different programs , computers , resources using different different format digital information creates Various state organizations by created data system acceptance who does not in the format that it was because of of them use opportunity limited . That's why for one different information repeating , digital to look is converted . As a result to this a lot time and spending money will be done .

at GAT data in exchange the following two problem come output can :

Produced by GAT issuer in the field acceptance done standards , topology about information transfer enable does not give

Information formats mostly in GAT the format that changes programs input Demand does

Current in the day almost in all GATs information another from the format his own worker to the format import to do and another program to the format export to do opportunity giver module there is . But all in programs too data of exchange the

only one standard there is it's not . Information exchange the only one standard from GATs use opportunities increases (Fig. 2).

Figure 2. Data collect and them geodata to the base integration scheme

GPS device information ArcGIS in the program geodata to the base the following in order integrates :

using GPS land contours field in the form of research will be done ;

in the place received all information of the device attributive to the schedule is included ;

project information again working to centers sent ;

in the centers information take data to the base is included ;

each one land outline with information connects ;

land contours information from the ground users layer visualizes .

ArcGIS in the program created geodata in the base electron digital to the card vector information cylindrical projection based on import will be done . In projection

one from the system another to the system transition algorithm the author by work released and sequence rules are given in Table 1 .

Table 1

o	Coordinates system name	System unit	Projection name	The system exchange sequence
	WGS 84	Geographical	Cylindrical	WGS 84(geographic)-CK42(geographic)- CK42(correct angular)
	CK-42	Right angular	Gauss-Kruger (Azimuthal)	

Geodata in the base electron digital to the card projection based on import done vector data separately geographical location with separate stands Vector from the data used without from the ground of the user plant types is separated and separately field in the form of themed layers with is determined . Dotted in the form of vector from the data attributive tables is filled and geometric calculation to do the way through land fields automatic in the style of is (Fig. 3).

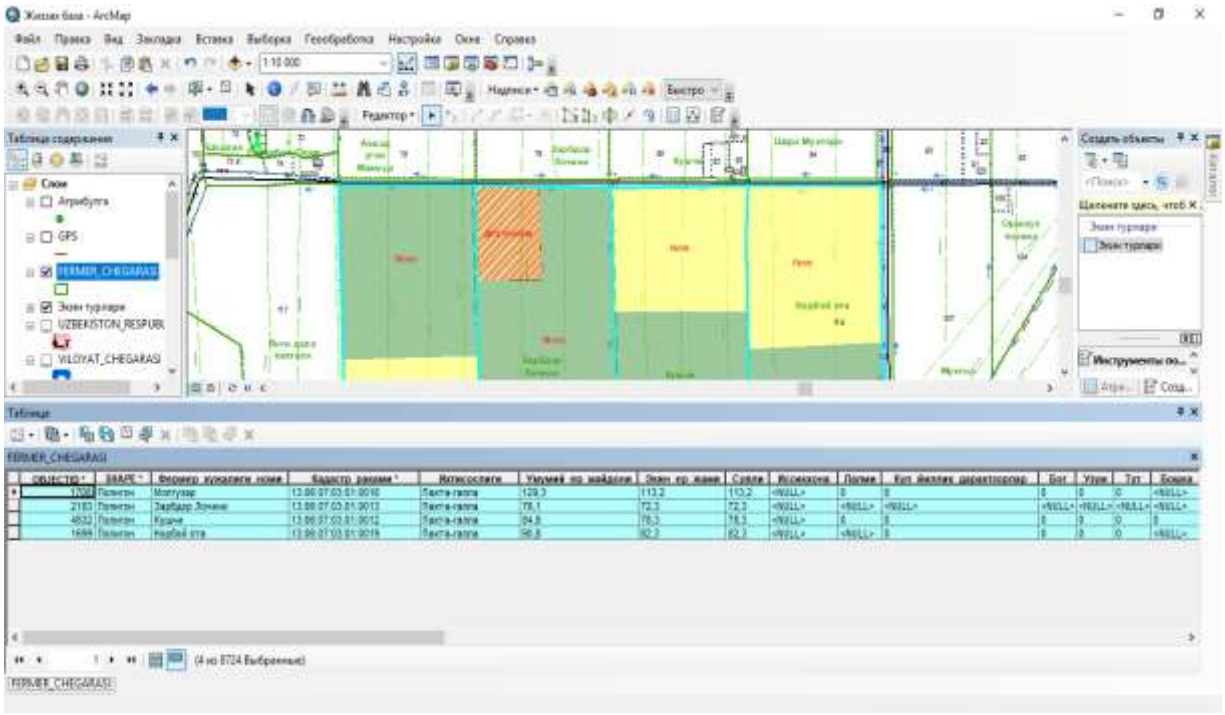

Figure 3. Information geodata to the base input and visualization

Above sequences as a result land account conduct and geodata to the base information integration works high in quality , low time by spending a lot the work to the fruit melting possible proved . From this except land compiler employee and from the ground users attitude collision as a result surface coming violations took received Field research their work take going land compiler expert land contours area about there is information have won't be and plant types borders measured geodata to the base is transmitted . Geoinformation system base formative the founder border from the lines using plant of land area according to value and quality indicators determines

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