

## **“Golden pheasants flying out of Mountain Jungle”——Strategy Planning of Urban Space Development under the background of ecological migration, DanZhai, Guizhou, China.**

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GUIZHOU, An inland mountainous province in southwest China. Influenced by natural constraints, its Economic development lags behind for a long time. DANZHAI is located in the southeast of GUIZHOU, with a total area of 940 square kilometers and a population of 173000 people, is a remote, poor and backward key county of poverty alleviation and development work. Due to need of survival and reproduction, fragile ecological environment has been destroyed

MIAO, an ethnic minority that accounts for 85.57% of the population, has primitive simplicity, full-bodied and unique ethnic customs. Their totem is “golden pheasant”. MIAO has seven state-level non-material cultural heritages, such as batik, ancient papermaking, golden pheasant dance, etc. The ecological culture is rich, but is facing the plight of lost

2012, Government of China put forward ‘speed up development, poverty eradication’ slogan under the precondition of ecological environment protection. How can we intense use of limited land resources, accumulate population, leapfrog development, and at the same time ensure ecological security, continue minority traditional culture, is the top issue that the local government is facing. In order to healthy promote urbanization, to promote coordinated development of urban and rural areas, implement poverty alleviation and ecological migration, We completed ‘Strategy Planning of Urban Space Development in DanZhai’

We proposed the following development strategies: 1, Regional coordination and City circle development. 2, Ecological security and Landscape resource Highlight. 3, Cultural heritage protection and Ethnic minority culture propagation. 4, Traditional industry Renaissance and Immigrant employment driven. 5, Policy supports and Immigrants safeguard. 6, Perfect service Completion and immigrants’ requirements realization

### **1. Analysis of the situation**

#### **1.1 Scope of planning**

DanZhai is located in the southeast of Guizhou province, west of Miao and Dong autonomous county, has seven towns and 1 state farms, 161 administrative villages, 3 residents committee, such as Longquan, XingRenn, ChangQing, Yang Wu, etc. At the end of 2011, its land area is 937.7 square kilometers, and permanent population is 121700 people. the population density is 130 people/sq km. There are 21 ethnic minorities such as miao, shui, ethnic minority population of 148600 people, accounting for 88.37% of the household register population.

#### **1.2 Characteristics**

(1) location: conjugate throat of south sea. (2) topography: the west wing valley deep, more central to the low hilly land. (3) climate temperature: both monsoon climate pleasant and cool mountain climate characteristics. (4) ecological environment, ecological background is relatively fragile, water sensitivity is stronger (5) distribution of river network is dense and water is adequate, mainly facing water shortage problem (6) physical culture resources: rich heritage, distinctive, scattered distribution, lack of organization. (7) quickly gathered the

early industrial development, industrial scale, structure and hierarchy for breakthrough. (8) in the initial stage of urbanization, urban agglomeration ability to strengthen. (9) passenger traffic network traffic inconvenience, lack of cargo transportation, tourist traffic is not sound.

## **2. Planning appeal**

### **2.1 Macro policy**

National ecological civilization construction and the Guizhou province of Dan village across the development request, Dan village walk in the way of development and protection.

### **2.2 Provincial requirements**

Dan village development advantages and qian east development path, the combination of characteristic development is the only way for the development of Dan village in the future.

### **2.3 Regional responsibility**

"are kay MaDan" integration development background, Dan village needs into the area, build regional network, undertake industrial transfer.

### **2.4 Development of power**

Actively use top-down policy support, the external to internal blood transfusion.

## **3. Goals and Positioning**

### **3.1 Planning objectives**

The future out of poverty, build a well-off society in an all-round way, realize the basic modernization forward.

### **3.2 Ffunction orientation**

Projects node, the industrial new city, immigrant district, MiaoJiang holy land.

- (1) Projects node node along the "projects" city in guizhou, geared to the needs of the forefront of the pearl river delta.
- (2) Industrial new city: "are kay MaDan" town groups emerging industrial base.
- (3) Immigrant district: guizhou province industrial migration, poverty alleviation and immigrants, engineering.
- (4) MiaoXiang sanctuary: human-god offerings, qian dong miao culture shows the characteristics of leisure and tourism areas.

## **4. Philosophy and Strategy**

### **4.1 Development philosophy adhere to the "ecological priority, people-oriented, characteristic development," the new idea.**

(1) Ecological priority. According to the climate characteristics of Dan village rainy foggy, and the characteristic of the mountain ecological environment is relatively fragile, build suitable for local ecological environment protection, ecological construction and the system resource utilization, ecological civilization under the background of ecological city and MiaoXiang landscape pattern with the combination of the urban development pattern.

(2) People-oriented. Focus on different crowd demand, taking the advantage of the policy, and guide the local rural population into the city employment and life; Optimize the entrepreneurial environment, accelerate the population flow out; Accelerate industrial agglomeration, and guide foreign population agglomeration; Perfect the supporting environment, guide the immigrant population is relatively concentrated.

(3) Characteristic development. Follow the east region in guizhou province area characteristic development path, to go to adapt to the mountainous, many ethnic minority areas of the interactive development of the new urbanization and new industrialization road;

Protect national and historical and cultural resources, shaping of urban space characteristics, the development of cultural tourism industry, to speed up production city.

**4.2 Development strategy - to establish the regional coordination, low carbon ecological, cultural leading, industry breakthrough, traffic guide "five major strategies**

- (1) Regional coordination strategy. Dan village should actively draw lessons from the successful experience of the development from coastal developed areas, facing the opportunities brought about by the transformation of development in the province and the state, seeking external motivation. In town "are kay MaDan" ethnic construct multiple poles, multi-cultural, strengthen division of labor, each looking for their own positioning and development path.
- (2) Low carbon ecological strategy. Set up respecting nature, comply with the nature, protect the natural ecological civilization concept, the principle of ecological civilization concept and fully integrated into the whole process of urbanization, intensive, intelligent and green, low carbon new path of urbanization.
- (3) Dan village of the miao culture resources superiority into full play, to carry forward the "tenacity, perseverance," national quality, and the combination of "open, inclusive" of modern society, with good inner quality and positive external image, persistent increase win the future competition of city soft power, leading the city's industrial, economic and social development, show Dan village "dare rushed, pioneering innovation, the pursuit of excellence" of the new look.
- (4) Industry breakthrough strategies. Characteristics of new industrialization road, building and ecological civilization, can significantly increase the employment absorption capacity, characteristic industry to promote the development of county territory economy efficient intensive system.
- (5) Traffic guiding strategy. Through traffic system planning and construction of the perfect, weak shift traffic conditions restricting urban development present situation, the implementation of regional and urban transportation system development guide.

**5. Spatial structure and Layout**

- 5.1 Land suitability and land bearing capacity. Construction land space is not large, mainly concentrated in the kaili - Dan village along the transport corridor.**
- 5.2 Analysis of population size. Ecological migration, population and industry attracting jointly drive the population growth.**
- 5.3 Spatial organization of the county. "Three", difference development, urban and rural plan as a whole.**
- 5.4 Urban spatial structure and layout. Open construction "area, compact group" of ecological city spatial structure.**

Combining with the characteristics of urban terrain, and the future trend of urban function integration, guide the urban space form "dual-core linkage, surrounded by groups, green heart center, into the green gallery net" spatial structure.

- (1) Dual-core linkage. According to Dan village city development pattern, combined with the old city area and admiralty district function layout, make old city center and admiralty centre two core, the old city center based on the existing public facilities, administrative, business and culture service function, build business and administrative center; Admiralty centre, relying on the new town construction and industrial agglomeration function, focus on developing industries such as commerce, logistics services and business office function, make admiralty business and trade center, promote the city integration.
- (2) Group. According to the difference of Dan village city urban function development, combined with the natural landscape, such as mountains, rivers, natural ecological factors as corridor, is divided into seven groups, to inner loop and outer loop transit passenger in series in each group, including the old city area of central, southern and northern three groups and

admiralty area of integrated services, evergreen, Yang wu four southern industry and industry groups. The old city area of the three groups of old city transformation and is based on creating quality of life as the leading functional group, admiralty district of four groups based on local resources industry transfer, industrial cluster, convergence of developed areas to build production service industry, life and trade in a body's comprehensive group.

(3) Green heart center. Combination of longquan mountain natural mountains, east lake water body such as natural ecological factors as the carrier, based on landscape features and cultural construction, to the east lake and southern mountain areas as Dan village urban greening landscape and cultural tourism innovation core area. Green corridor into a network. Combined with natural mountain, water, steep slope, gully and important landscape greening along the road of building roads, building ecological corridor, the peripheral wedge into the urban ecological landscape at the same time, the construction of urban green networks.

## **6. Guide and Support system planning**

### **6.1 Ecological security system**

(1) Ecological function regionalization. According to the county land use suitability evaluation results and important eco-function areas distribution, combining DanZhaiXian domain distribution of basic farmland, rivers, such as water, drinking water source, vegetation distribution will DanZhaiXian domain is divided into ecological conservation area, the ecological transition zone and ecological looks remarkably three functional areas.

(2) Low carbon ecological guide. DanZhaiXian low carbon ecological construction can be divided into 3 big plates, seven strategies and article 17 of the measures. Three plate refers to "compact" spatial planning, "frugal" resource management and the "landscape" urban construction; Seven strategies respectively for carbon reduction, traffic layout carbon reduction, industry threshold, and solid waste in the utilization of water resources utilization, ecological construction, and improve the micro climate.

### **6.2 National cultural innovation system**

#### 6.2.1 National cultural heritage

(1) Strengthen the miao cultures show. With the aid of public culture platform, such as miao cultures museum, etc., the miao culture systematic and comprehensive introduction and demonstration, let more people be familiar with the miao cultures and love miao cultures, miao cultures. Through the national center for the performing stage, public cultural activities such as open space, leisure square, let miao cultures vivid and naturally integrated into the life.

(2) Organize activities of miao cultures. Through holding all kinds of the activities of the international and domestic miao cultures, such as "especially festival", "new day" festival activities, and art festival, biennale, international BBS, expand miao cultures international influence, Dan village of miao culture awareness.

(3) Protect master miao cultures. Folk arts and crafts masters provide superior development environment and policy support, in the capital, location, personnel, etc., meet the demand of its development. Dan village of miao culture in under the protection of relevant policy can be handed down from generation to generation.

#### 6.2.2 National culture innovation

(1) Promote cultural creative industries. Miao unique artistic creativity, combining miao cultural and creative industries, such as film and television production, publishing, digital animation, art, media, etc., the Dan miao village "golden pheasant" motif. Will Dan village "batik", etc. Combined with modern product design, meet the demand of modern life.

(2) Implement share cooperation mechanism. Change the traditional pattern of families to operate small workshops, e-commerce, promote the joint stock cooperative system mode of operation, from order to raw material supply, design, production, sales, etc., formed a

complete industrial chain. Each village development unique industry, such as stone paper, Carla cage, etc.

(3) Promotion of miao cultures tourism. With the miao culture to build the characteristic tourism, culture and tourism benign interaction, the centralized development of state-level non-material cultural heritage inheritance, key villages of national culture tourism zone, longquan mountain provincial scenic area, east lake scenic area, ancient stone paper culture "Jia Wenhua" tourist scenic spot, longquan lake national tourist areas, mercury ruins of modern industrial development zone, admiralty economic development zone industrial sightseeing tourist area.

(4) Organizational culture tourism, design product line

(5) Development of cultural economy. With cultural structures, investment promotion platform, with introduction of ascension and expansion of the cultural project Dan village cultural strength. Through holding all kinds of large-scale activities, such as the ebo, tonggu mans tube lusheng dance "ten thousand people" and "cultural human-god cup" ox king, king king of birds, chicken type champions and investment promotion project negotiation and signing ceremony, such as the development of cultural economy, make the culture leading economy, gave rise to cultural economy, achieved the integration of cultural tourism

### **6.3 Characteristic industry development system**

#### 6.3.1 Industry positioning

(1) Characteristics of complex agricultural demonstration zone. With selenium zinc agriculture, traditional Chinese medicinal materials planting characteristic agriculture as the foundation, with modern efficient ecological NongYeYuan as a carrier to promote the development of characteristic agriculture; With intensive, highly effective, ecology, industrialization of agriculture development for the concept, build cooperate for the development of agricultural industry processing, distribution, leisure, tourism, etc to support the diversity of industry system, lead the Dan village from simple characteristics of agriculture to complex agricultural transformation and upgrading.

(2) Emerging manufacturing base

With the development of the western region, the eastern industry transfer as an opportunity, to industrial park development as the carrier, thanks to aid advantages, push Dan village into the group "are kay MaDan" town industrial division system. Strengthen Dan village in guizhou, chongqing, the pearl river delta, the beibu bay economic circle of the contact interaction, to admiralty economic development zone as the carrier, actively undertake the eastern industrial transfer, improve industrial, construction equipment manufacturing, characteristics of food processing, biological medicine, electronic appliances, textile and so on as the leading emerging manufacturing bas

(3) Original national culture tourist area. Relying on the national culture resources and natural resources, in hmong culture as the leading, blend in qiandongnan prefecture ecological group of hmong culture, as a whole development, strengthen the regional overall attractiveness. With golden pheasant dance, a stone bridge, ancient paper-making etc. Characteristics of culture as the leading factor, fully tap natural and cultural resources, accelerate the construction of scenic spots infrastructure, actively develop characteristic tourism products, and the surrounding region dislocation development, makes the original ecological ethnic culture communication platform and leisure resort.

#### 6.3.4 Industrial space layout to guide

According to industry resources distribution, current situation and regional demand county industry development space can be divided into northern, central and eastern three characteristic industry development group.

### 6.4 Modern comprehensive transportation system

Adhere to the principle of coordinated development of transport and land use layout, transportation system skeleton is suitable for the urban land layout, reasonable planning of urban passenger traffic and freight traffic corridor, corridor from the macroscopic structure to prevent traffic conflict. Should adhere to the overall, harmonious and sustainable development, to build intensive urban transportation system, through the establishment of public transport, transportation as one of the diversified individual the coordinated development of urban traffic system, the development of adjust measures to local conditions and transportation network system.

#### 6.5 Basic public service system

Carries on the comprehensive analysis about the present situation of urban public facilities, on the basis of extensive investigation and study, covering urban and rural construction, fully functional, social undertakings and public service system for the livelihood of the people.

### 7. Implement policies and Measures

#### 7.1 *Set up the system of regional coordination, promote administrative division adjustment timely*

(1) Regional coordination organization. Set up "are kay MaDan" planning committee, joint participation, the relevant government and departments involved in the planning and implementation of land planning, public services, environmental protection, social affairs and other major matters to be agreed upon as a whole. Formulate efficient win-win regional cooperation mechanisms, to implement the regional planning goal and the tasks to each administrative region planning, use low levels of planning content and the specific measures, improve the implementation of the master planning requirements, realize effective cohesion of different level planning.

(2) Regional infrastructure to build system. As a whole and regional transportation network system. Comprehensive consideration for railway special line "are kay MaDan" area, rail transportation, logistics park and urban high-speed outer ring and ring net layout quickly, together build regional transportation skeleton, drive the regional overall development of north-south transport corridors, and reserved space for the construction of vision line network. Network as a whole to build regional municipal engineering facilities. According to the regional natural environment, facilities service ability and the urban development needs, achieve energy, water supply and drainage, electricity, telecommunications facilities and other large municipal facilities construction coordination cohesion, give play to the comprehensive benefit, reduce duplication of investment.

(3) Development of regional tourism system. Unification of regional tourism planning, building "are kay MaDan" tourist thoroughfare. Reinforcement and the surrounding libo, built leishan swallowed the miao, li from banyan area of scenic resource coordination and complementary advantages, give play to the comparative advantage, form a diversified regional tourism routes.

(4) Regional security system. On regional ecological construction, based on the natural environment characteristics and the target of urban construction, unified defined the basic farmland protection areas, water source protection areas, etc. The construction area protection line, to guide the concrete construction and space governance measures are put forward in the key areas.

In regional security, considering flash floods, landslides, debris flow and other natural disasters prevention requirements, partition graded protection measures, over the ground in a high-risk area of residential areas in combination with urban construction plans to move as a whole.

(5) Administrative division adjustments. Timely push Dan village administrative division adjustment city and its surrounding areas (such as township removal, etc.), admiralty economic development zone and uplift Wu Xiang ChangQingXiang) after (including removal,

burn tea industrial park and XingRenZhen take area town and mode respectively. Backward area village relocation and point the project implementation, guide the rural population to urban organic concentration, perfect infrastructure and public service function, promote the urbanization process.

### **7.2 Strive for national policy support, the construction of the miao cultural tourism innovation zone**

(1) Cultural heritage. For the miao culture resources protection and cultural brand applications to provide support for the legislation, funding, application priority policy guarantee, etc. Construction of miao culture show policy, encourage decentralized XiangDongHu perimeter zone partition cluster culture resources, promote the city characteristics, ethnic customs.

(2) Culture to carry forward. Construction demonstration area of the miao culture experience, development of folk art performances, folk art education, nationality, ethnic cultural information of the production process such as industry, the formation of professional management groups and industry cluster.

Miao culture festival activities, which are held on a regular basis to carry out the "east lake miao cultural BBS" and "fair" miao culture, strive to foster a culture of good investment environment, establishing the image of urban culture brand.

(3) Cultural development. Optimize their travel network, set up regional tourism channel node, Dan village cultural tourism into a regional characteristics of regional tourism system. Build in cultural entertainment industry, cultural tourism brand as the core of culture, arts and crafts industry system, build cultural industry chain, and drive traffic, catering, hotel, etc. The development of relevant industries.

### **7.3 Construction of mountainous industry breakthrough development model in ethnic minority areas**

(1) Industry on policy. Clear economic threshold of foreign industry admittance, improve external industry access standards, formulate corresponding transfer policies and regulatory measures to prevent the backward production capacity and transfer to Dan village heavily polluting enterprises. Formulated to promote industrial transfer of land, credit, fiscal interest discount, tax incentives and other preferential policies. To strengthen the construction of market integrity and optimizing trading environment, reduce market transaction costs. Build service government, responsibility government, safeguard the legitimate rights and interests of investors.

(2) Policy of industry transformation. Promote the resource-intensive industry technology upgrades, such as iron and steel casting industry to the high-end equipment manufacturing industry development. Guide development lag industry forms the transformation, such as agroforestry to biomedicine, new energy, environmental protection industries, emerging industries such as transformation. Construction service enterprise vocational education training system and technical research and development institutions, to develop the financial sector, advisory planning, product design and logistics services, producer services form production, the integration of science and education industrial park.

(3) Industry promotion policy. Zinc selenium m, iberico agricultural resources advantage, such as the construction characteristics of agricultural and sideline products deep processing base. Apply for funds and policy support national characteristic industry, the resource advantage into industry advantage, strengthen the development of clean energy, environmental protection industry and ecological resources. Aid assistance to apply for big investment projects at the provincial level, around the core industry of the cluster system, formation of city economic pillar.

### **7.4 Improve the poverty-stricken areas out of poverty in guizhou and enriching policy system**

(1) Immigration policy. Yang Wu Xiang, longquan town of resettlement facilities such as construction, provide a good living environment and the public service condition. Construction of vocational education park, for immigrants in employment post information

and skills training. Future urban development considering industry selection and development zone construction requirements, implement "new immigrants" to "move the industry people", to facilitate immigration to work

(2) Life safeguard policy. After ecological migration into the city and urban residents enjoy the same education, medical treatment, employment, pension and other social welfare policy. Ecological migration after the circulation of right to the contracted management of land, the government will retain its original enjoy national treatment of peasants, agriculture remains the same.

(3) Entrepreneurship support policy. Ecological immigration application startup loan amount will enjoy support, and the corresponding interest preferential policies. The government will according to the immigration self-employment performance give part of the tax incentive policies. Governments at all levels provide appropriate technology and information support for immigrant entrepreneurship.

#### **7.5 Implement a full range of talent services policy**

(1) Implementing talent service preferential policies. For the introduction of high-level innovative entrepreneurial talent and are in urgent need of special talents shortage, in the county enjoy household registration, housing families, funding, and employment, insurance, their children to school and go to a doctor to give the preferential policy, title evaluation, etc, and convenient service.

(2) Implementation of personnel salary subsidy policy. According to the talent introduction work contribution and innovation performance, leading role and influence the industry standard, according to give corresponding compensation. To introduce talents of scientific research or work at or above the provincial level awards, give corresponding material rewards.

#### **7.6 Build open inclusive city spirit**

(1) Enlightened government image, build open policy environment. Through effective policy incentive and guarantee mechanism to motivate the county entrepreneurial enthusiasm, create a Dan lasting impetus of the development of the walled city. Improve the scientific decision-making mechanism, implementing public opinion reflecting mechanism and working mechanism, formation of Dan village management orderly and dynamic policy environment.

(2) Highlight the inclusive thoughts lead and promote the city construction of humanistic spirit. Dan village tolerance open, advocating development atmosphere, cultivating citizen's social morality, professional ethics, family virtues, and form a unity and mutual assistance in the whole society, the poor, understanding, tolerance, harmony and harmonious social atmosphere, enhance the social civilization degree of Dan village and cultural development level. Set up the Dan village win-win co-prosperity cooperation idea, carry forward the works together, unity cooperation style. Dan village of self-interest and the surrounding interests, partial interests and overall interests, immediate interests and long-term interests, the combination of solid effectively open and mutually beneficial cooperation.

(3) Set up the eclectic, open atmosphere of the city's image. Emancipate the mind actively, advocating all rivers run into sea, upholds the Dan village, learning advanced experience of the developed areas in the open, show Dan village and vigorous atmosphere, open thinking, eclecticism, acceptance, dare to innovation, from the city's image. Will Dan village open inclusive city spirit rooted in production and life practice, into a group of people's consciousness and behavior.

With implements of our Strategy, more and more MIAO migrated from the depth of mountains to new cities, Living and working peaceful and harmoniously. Our Practice has proved that ecological migration can have win-win effect of economy and people's livelihood. Hope it be a good reference for ecological migration in the world.

DANZHAI, a poor county in southwest China has an ethnic minority MIAO, whose totem is "golden pheasant". 'Strategy Planning of Urban Space Development' promoted coordinated

development of urban and rural areas, implemented poverty alleviation and ecological migration, proved that ecological migration can have win-win effect of economy and people's livelihood.



Figure 1: Location in Guizhou, China

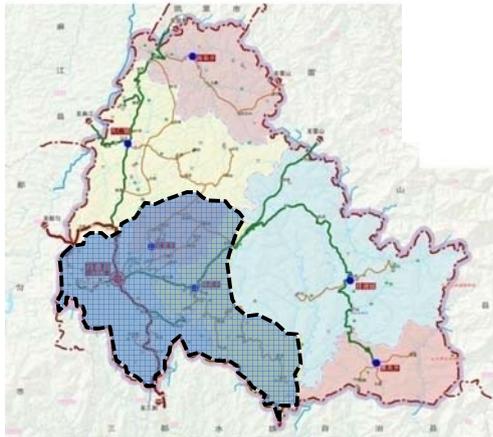


Figure 2: Focus Planning areas

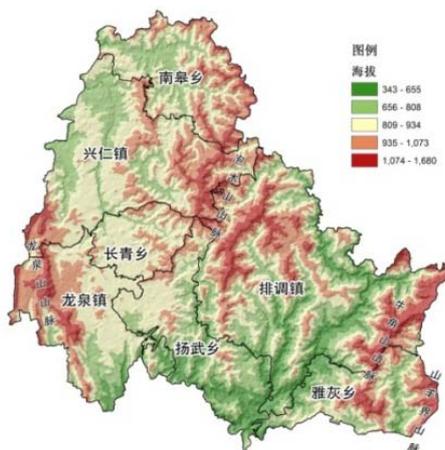


Figure 3: Terrain analysis



Figure4: Intangible cultural heritage

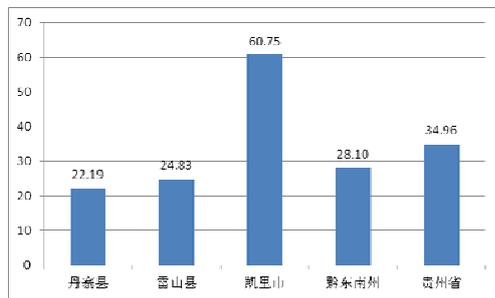


Figure5: Urbanization of Danzhai and its surrounding areas

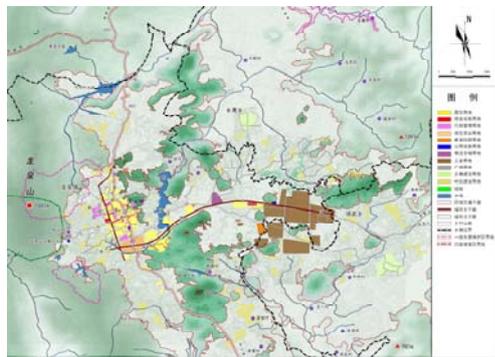


Figure6: Land use situation

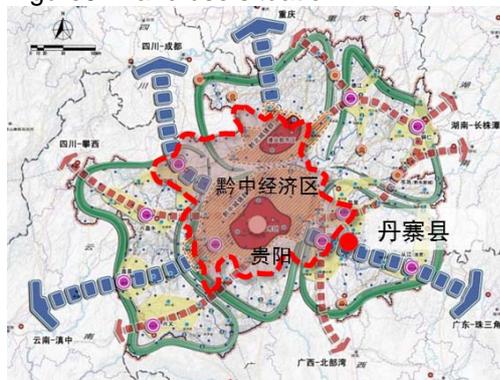


Figure7: Urban spatial structure in guizhou



Figure8: Golden pheasants Culture

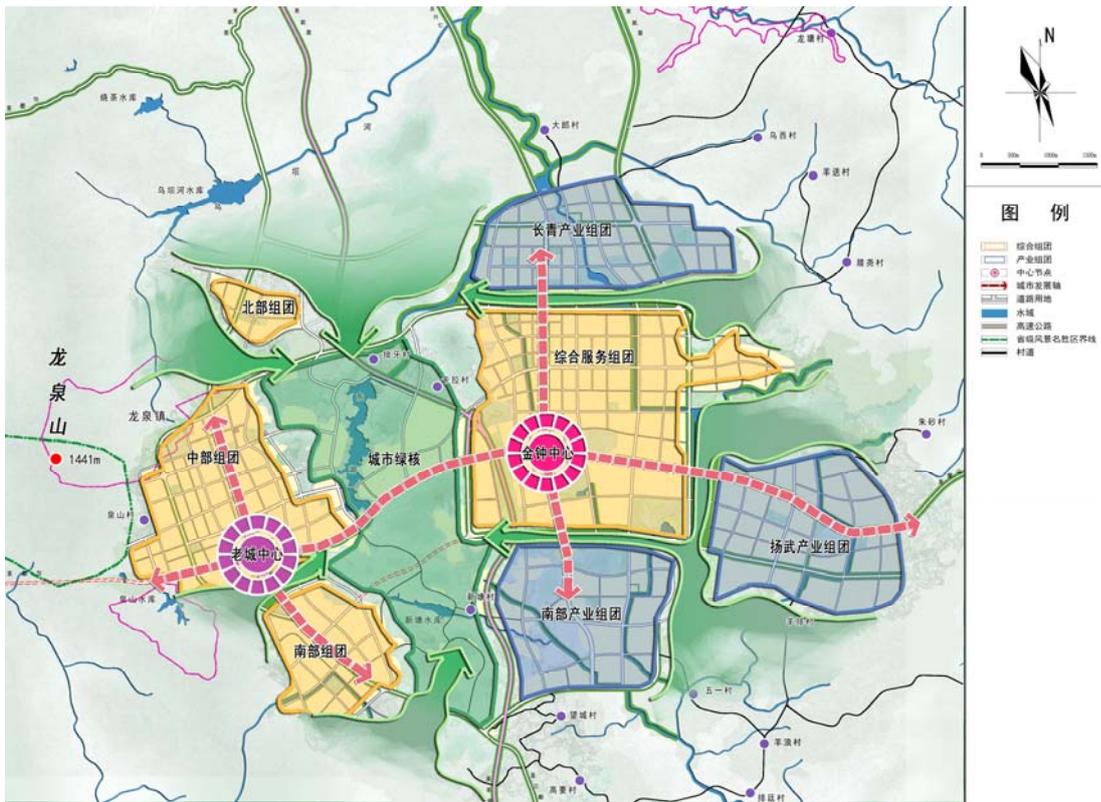


Figure9: Space structure

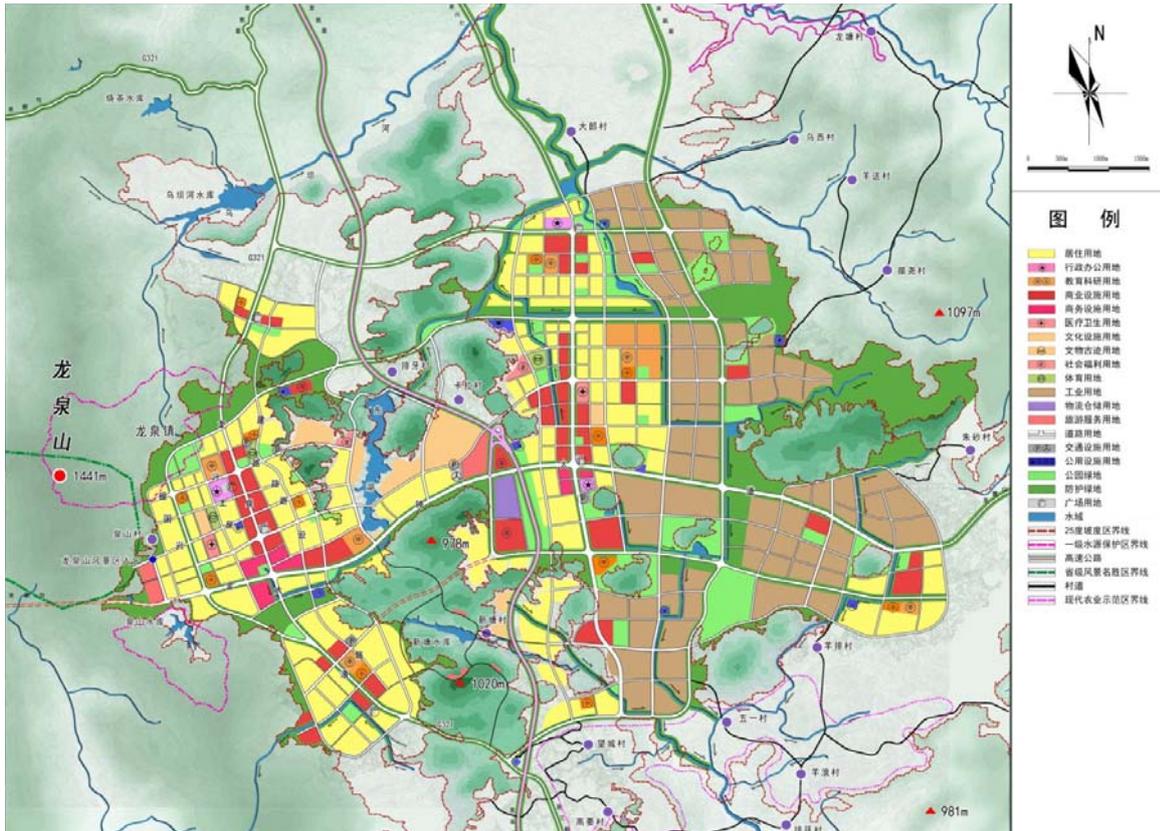


Figure10: Land use plan

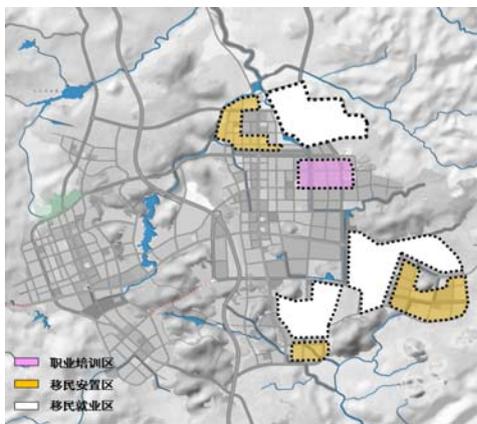


Figure11: Ecological resettlement and employment